



ST. THOMAS COLLEGE PALAI

College with Potential for Excellence

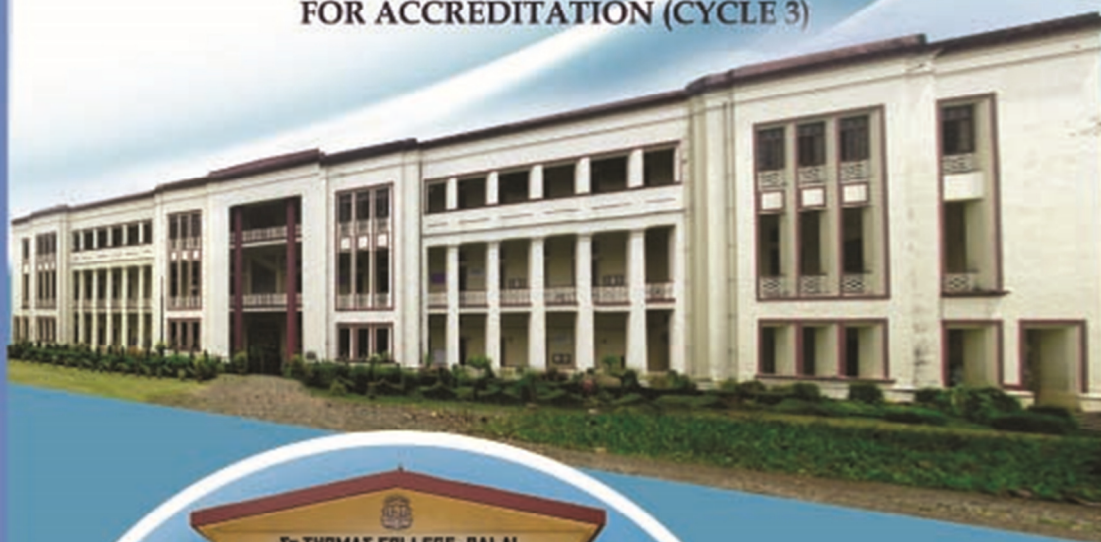
A Minority Educational Institution
Affiliated to Mahatma Gandhi University, Kottayam

SELF - STUDY REPORT

Submitted to

NAAC, BANGALORE

FOR ACCREDITATION (CYCLE 3)



August 2014

ST. THOMAS COLLEGE PALAI

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Preface

St. Thomas College, Palai, is a Minority Educational Institution affiliated to Mahatma Gandhi University, Kottayam, Kerala. The College started functioning in 1950 and was accredited in 2000 and re-accredited in 2007 by NAAC. The UGC conferred the CPE status to the college in 2010. The college offers 15 UG and 15 PG Programmes and Ph.D. in 10 disciplines. Besides, it runs 5 UGC sponsored Career Oriented add-on programmes and 4 certificate/diploma programmes.

The College has a total student strength of 2186 comprising 1399 UG and 580 PG students and 207 research scholars. More than 57% of students belong to minority communities. SC, ST, OEC and OBC students constitute above 30% of the total strength. For the last 5 years the average pass percentage for UG is 88 and that for PG is 83. During 2008-13, 177 students qualified UGC-CSIR NET/JRF Examinations. Among the UG students, about 50% opt for PG courses. About 10% of the PG students pursue research leading to Ph.D./M.Phil. About 12% of final year students get employment through campus recruitment every year. The College has 52 endowments and 72 proficiency prizes sponsored by the PTA. In addition, 1142 students secured various scholarships from Central/State Govt. agencies in the last 4 years.

The College has a faculty strength of 138, of which 103 are permanent, 3 are Guest Lecturers and 32 are ad-hoc faculty. Among these, 52 have Ph.D. Degree including a D.Litt. and 18 have M.Phil. Degree as the highest qualification. In the last five years, the faculty members have published 39 books, 242 papers in reputed national/ international journals and 70 papers in conference proceedings. A total of 64 Ph.Ds. have been awarded under the supervision of our research faculty during this period. In addition, there were at least 455 instances of significant involvement from our faculty in seminars, workshops, conferences etc. during the last 5 years.

The Department of Science and Technology (DST), Govt. of India has identified three of our departments namely Statistics, Botany and Chemistry for DST – FIST support and DST selected the entire college as a DST-FIST sponsored college in 2012. Seventy seven recognized guides are there in our research centres. Since the last accreditation, we have undertaken 15 major research projects including an industry sponsored project and one under Women Scientist Scheme (WOS-A) of DST. In addition, there are 53 minor research projects supported by UGC / DST/ KSCSTE. Apart from these, 3 Interdisciplinary Projects and 4 Infrastructure Development for Teaching & Research Projects have been implemented.

We started B.Sc. Leisure, Recreation and Sports Studies under UGC Innovative Programme in 2013. BCA and B.Com. with Computer Applications got under way in the self-financing stream in 2013. M. A. History with Archaeology is slated to begin under aided stream in the academic year 2014-15. Recently, the UGC has sanctioned funds to start 2 B.Voc. Degree and 2 Vocational Diploma Programmes under Community Colleges Scheme.

Now, the College is on the path of the Third Cycle of Accreditation by the National Council of Assessment and Accreditation. The process of preparing the Self-Study Report was an enriching experience to all the stakeholders. We hope this will help the institution in facing the challenges of the new era without compromising on the values set by our founders.

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EXECUTIVE SUMMARY

Introduction

St. Thomas College, Palai, was founded on 7 August 1950 by Bishop Mar Sebastian Vayalil, the first Bishop of the Catholic Diocese of Palai, one of the leading educational agencies in Kerala with proven experience and expertise, having over 450 educational institutions including 7 First Grade Colleges and many schools. We were singularly fortunate in having Dr. P.J. Thomas, the renowned economist, and economic advisor to the Govt. of India and Indian representative to the U.N, as the first Principal of the college. The college was visited by eminent national leaders like Pandit Jawaharlal Nehru, Smt. Indira Gandhi, Sri. V. V. Giri and Dr. A. P. J. Abdul Kalam on different occasions.

The college was initially affiliated to the University of Kerala and is presently a leading Special Grade college affiliated to Mahatma Gandhi University, Kottayam since 1982. It is a Catholic Minority educational institution approved by the National Commission for Minority Educational Institutions, and is administered and managed by the Catholic Diocese of Palai. It is included in section 2(f) and 12B of UGC Act 1956. The College was identified by UGC in 2010 as a College with Potential for Excellence. The Department of Science and Technology (DST), Govt. of India has identified three of our departments namely Statistics, Botany and Chemistry for DST – FIST support and in 2012, DST selected the entire college as a DST-FIST sponsored college. The College was, accredited by NAAC with Four Stars in 2000 and reaccredited with B++ grade (82.5% score) in 2007. Today the institution is guided by the able hands of H.E. Bishop Rt. Rev. Dr. Joseph Kallarangattu, the Patron, H. E. Bishop Mar Jacob Muricken, the Manager and Rev. Fr. N. V. Joseph, the Principal.

Now the college is on the path of emerging as a Centre of Excellence, committed to national unity and integrity by imparting value oriented education of international standards to equip our students to face the challenges of the modern world through excellence in teaching and learning, research and extension as well as skill development. In pursuit of this, we opt for the third cycle of accreditation during 2014.

Located at Arunapuram in Palai Municipality and Puliyanloor Village on a 24.58 acres green eco-friendly campus full of trees and plants on the banks of river Meenachil, it has a conducive ambience for learning. The college spreads over 10 massive buildings comprising administrative

offices, class rooms, research centres, science UG and PG laboratories, language labs, audio-visual centres, seminar halls (for academic purposes), conference halls (for administrative purpose), mini conference hall (parlour) etc. At present the College offers 15 Postgraduate and 15 Undergraduate programmes. Ten departments are approved research centres for pursuing doctoral research programmes. We also offer 5 UGC sponsored Career Oriented Add-on Programmes and 4 self-financed Diploma/Certificate programmes. The College has a faculty strength of 138, of which 103 are permanent, 3 are Guest Lecturers (in unfilled sanctioned posts) and 32 are ad-hoc faculty (in self financing courses). Among these, 52 have Ph.D. Degree including a D.Litt. and 18 have M.Phil. Degree as the highest qualification. The College has a total student strength of 2186 (2013-14) consisting of 1399 UG and 580 PG students and 207 research scholars. More than 57% of students belong to minority communities. The SC, ST, OEC and OBC students constitute above 30% of the total strength. The college library with more than 84,000 books and 300 periodicals/academic journals is automated for easy access of the students, faculty, alumni and the public. A study centre of Mahatma Gandhi University, Kottayam, is functioning in the campus through which the students get access to books, e journals, INFLIBNET and other facilities available in the University library located in the main campus of Mahatma Gandhi University. We also have a computer centre, intra-net facilities, IGNOU study centre, Bank coaching centre, hostels, play ground, indoor stadium, swimming pool, auditorium, student placement cell, research and consultancy cell, NCC, NSS, women cell, SC-ST cell and so on.

Criterion 1: Curricular Aspects

As an institution of higher learning affiliated to Mahatma Gandhi University, we are obliged to, and we do, follow the curriculum and syllabi prescribed by the University and revised periodically by the University academic bodies following the national policy of higher education, and exactly in parity with the syllabi of UGC-CSIR National Eligibility Tests. In addition to this, we try to address the needs of the society through the introduction of Vocational, Add-on and Certificate courses, and open courses and choice-based courses of current relevance. 30 of our faculty are members of the UG/PG Boards of Studies of Mahatma Gandhi University and other Universities of Kerala state for designing and updating of curriculum, and that has helped in incorporating the changes demanded by the present national scenario. The College has initiated many new programmes of study in the Post-accreditation period for meeting the needs of the

emerging economy and the contemporary interests of the society. We started B.Sc. Sports Studies under UGC innovative programme in 2013 and M.A. in History under aided stream in 2014. BCA and B. Com. with Computer Applications have also been introduced as self-financed programmes in 2013. UGC has approved our proposal for starting two B. Voc. Programmes and two Voc. Diploma Programmes under Community College scheme in 2014. Our faculty members have developed the syllabi of B.Sc. Sports Studies, M.Sc. Biostatistics and M.Sc. Applied Microbiology. The College also collects feedback from various stakeholders like faculty members, students, alumni, parents, academic peers, employers and industry. Some of the programmes offered are multi-disciplinary in nature. Academic flexibility is ensured through the Open Courses and Elective Papers under CBCSS for UG and through elective papers under CSS for PG. The IGNOU Study Centre also provides opportunities under Convergence scheme as well as Distance Education mode. Value/ Moral classes are integrated with undergraduate programme and it is well received by the students.

Criterion 2 : Teaching-Learning and Evaluation

The admission process is based on merit, subject to statutory reservations and according to the regulations prescribed by the Kerala State Government under the Centralized Allotment Process of M.G. University Kottayam. The college prepares the academic calendar as per University schedule and it is made available to the students in advance. The Teaching-Learning and Evaluation systems have been designed to suit the objectives of the college, to equip the students to succeed in a competitive technology-driven world, encourage scholarship and research and at the same time uphold moral values. The IQAC has been organized with representatives from faculty, alumni and industry to ensure excellence in all endeavours.

As part of continuous assessment, test papers, assignments and seminars are conducted and 25% marks are earmarked for internal assessment in a transparent manner. There are effective grievance redress systems at college and university levels. Bridge courses and remedial courses are offered to students of departments like English, Biostatistics, Biotechnology and Microbiology. Tutorial/remedial classes are conducted by all departments for weak students. Class room teaching is complemented through invited talks, ICT methods and web resources and an effective tutorial/mentor system. Library facility is well utilized by students. Laboratory facilities have been improved and updated under UGC-CPE and DST-FIST schemes to meet the requirements stipulated in the new curriculum and the requirements of the research scholars.

Adequate number of computers are available and free internet facility is provided to all students.

For the last 5 years the average pass percentage for UG is 88 and that for PG is 83. During 2008-13, 177 students have qualified UGC-CSIR NET/JRF Examinations. Teachers are encouraged to enhance their knowledge by attending national and international Seminars/Conferences/Workshops. We organize International/National Conferences, Seminars and Training Programmes for the benefit of our staff and students. 158 eminent persons/experts have visited the institution and interacted with our staff and students during the last five years. Internal and external academic audits are conducted every year.

Choice Based Credit and Semester System (CBCSS) is followed for UG Programmes and Credit and Semester System (CSS) for PG programmes as implemented by the parent University. As part of continuous assessment, test papers, assignments, and seminars are conducted and 25% marks are earmarked for internal assessment in a transparent manner. There are effective grievance redress systems at college and university levels. The external evaluation is conducted by the affiliating University in the form of end-semester examinations, practical examinations, viva-voce, project evaluation etc. Students get ample opportunities for re-sitting in examinations and improvement of their results. Teachers are encouraged to enhance their knowledge by attending national and international Seminars/Conferences/Workshops. A number of conferences, seminars, workshops, training programmes and invited lectures are organized by the college for the benefit of our staff and students. Internal and external academic audits are conducted every year. Our teachers have won National and State awards, academic recognitions, memberships in international and national academic and research organizations, referee panel memberships and editorial positions of journals of national and international repute during the post-accreditation period. Our Principal won the Dr. Sam Higginbottom Award of AIACHE for the Best Principals of India in 2012-13. One of our staff members was in the University Syndicate and two are Senate Members of Mahatma Gandhi University and thus involved in University administration. Many teachers are working as members of the Vigilance Squad of the University for ensuring proper conduct of university examinations.

Criterion 3: Research, Consultancy and Extension

The College has strengthened research, consultancy and extension activities in the post-accreditation period. Thanks to generous support by UGC, DST, KSCSTE, etc., necessary infrastructure and laboratory facilities have been developed during this period to promote

research activities. Considerable amount of resources are allocated for furthering research activities as it constitutes 20 percent of the total budget on an average. Twelve departments are engaged in research and 10 are recognized by the University as research centers. The college is publishing one national and two international journals. Seventy seven recognized guides are there in our research centres. Since the last accreditation, we have undertaken 15 major research projects including an industry sponsored project and one under Women Scientist Scheme (WOS-A) of DST. In addition, there are 53 minor research projects supported by UGC / DST/ KSCSTE. Apart from these, 3 Interdisciplinary Projects and 4 Infrastructure Development for Teaching & Research Projects have been implemented.

The College has the unique advantage of having access to online journals through INFLIBNET in the M. G. University Study Centre hosted by the college. Some departments have established good linkages with leading institutions. Twenty Six awards/recognitions were bagged by our faculty for their significant research contributions. In the last five years, the faculty members have published 39 books, 242 papers in reputed national/ international journals and 70 papers in conference proceedings. A total of 64 Ph.Ds. have been awarded under the supervision of our research faculty in this period.

The faculty members are engaged in various consultancy services. The Research and Consultancy Service (RACS) Cell monitors and supports these activities. We are being consulted by Coconut Development Board, Govt. of India; Dept. of Higher Education, Govt. of Kerala for ASAP; Dept. of Ayurveda and Homeopathy, Govt. of Kerala in the Jyothirgamaya Project; SIET, Govt. of Kerala for producing Educational video programmes; Dept. of Forests and Biodiversity etc in addition to the local bodies, schools, industries, and the public for water analysis, soil testing polymer analysis etc. and medical colleges, nursing colleges and research institutes for statistical analysis.

The extension activities are varied and relevant. These are carried out under the auspices of NSS, NCC, Jesus Youth, Blood Donors Forum etc. Our NSS unit was selected as the best in the university in 2011-12. Thirteen NCC cadets have participated in the Republic Day Parade. We organize science awareness camps, science exhibition; book exhibition etc. in collaboration with national educational agencies like CSIR, KSCSTE etc. The teachers are active in publishing articles in popular science magazines that benefit the public and the student community, especially school students, to a large extent. The Civil Service Institute in the college has made

significant achievements during the last 5 years with more than 80 selected for appointment by UPSC to the Indian Civil Service. It also conducts coaching classes for various other competitive examinations, which is highly beneficial to the student community.

Criterion 4: Infrastructure and Learning Resources

The College is located on a sprawling campus of 24.58 acres. There are 10 major buildings. These buildings house 72 class rooms, 5 office rooms, 17 laboratories, 3 hostels, one auditorium, 5 conference halls, a central library with broad band internet connectivity, one language lab, one central computer centre and 10 departmental computer labs. In addition, there are staff rooms, canteen, co-operative store, council hall, gymnasium, guest rooms, xerox centres and rooms for College Council, IQAC, NCC, NSS etc. The College has spacious play grounds and also indoor games facilities. Women staff have common room and wash facilities.

We have built a G-block Annex at a cost of Rs.1.15 crores and a Student Amenity Centre and Canteen at a cost of Rs.85 lakhs. All other buildings have been renovated and well maintained. A new sports complex costing Rs.5.00 crores consisting of a swimming pool and an indoor stadium is under construction. The average annual budget of the college is more than Rs. 3 crores. The maintenance is taken care of by technical staff and other staff appointed by the management. The IQAC, Staff Council and Planning Committee assist the Principal and Management in prioritizing the requirements on maintenance. The college has established an IGNOU distance education centre for B.Com and M.Com programmes. There are separate hostels for boys and girls managed by Rev. Fathers and Sisters.

There are 237 Computers in the College, with a central computing facility with access for all staff and students. A DST-FIST sponsored computer lab with advanced computing softwares is also available. Individual departments have their own computers and labs. The Career Guidance and Placement Cell arranges campus interviews and career coaching. Entrepreneurial Development Club promotes self employment opportunities and the Women's Forum takes care of female students' problems if any.

Physical and infrastructural facilities for sports and games include play grounds, stadium, health club and gymnasium, swimming pool and sports hostel. The College provides free board and lodge to sports students. The Physical Education Department has been very active in academics and infrastructure development, and has won medals in university, state and national level competitions in sports and games. The college has established an IGNOU distance

education centre for B.Com and M.Com programmes.

There is a Central library with the total carpet area of 20,000 sq. ft. and seating capacity for 250 students. Online Public Access Catalogue (OPAC) facility is available in the library. NLIST/INFLIBNET facility is provided to all staff and students so that they can avail this facility in and outside the campus. Students and staff can also access online books/journals from the University Study Centre functioning in the college. There are more than 84000 books and 300 journals/periodicals in the library. Photocopying facility with 3 machines is available in the library. The library is kept open from 9 a.m. to 5 p.m. on all working days. The average number of walk-ins in the library is 500 per day.

Criterion 5: Student Support and Progression

The college is at the forefront in student support and progression activities. At the beginning of the academic year, the College publishes updated prospectus and calendar which include all details relating to the curricular, extra-curricular and co-curricular activities.

The Scholarship section and staff coordinator have been very successful in getting maximum number of possible scholarships, stipends and fee concessions. On an average 50% of the students receive these scholarships of Central and State Governments and National agencies. The College has 52 endowments and 72 proficiency prizes sponsored by PTA. A total of Rs. 10,03,933/- was given away to the students as institutional scholarships and financial assistance in the last five years. In addition, 1142 students secured various scholarships from Central/State Govt. agencies in the last 4 years.

Among UG students, about 50% opt for PG courses. About 10% of PG students pursue research leading to Ph.D./M.Phil. About 12% of final year students get employment through campus recruitment every year.

The College gives special consideration to SC/ ST students by offering remedial classes and computer training, besides providing scholarships. The Placement cell under the leadership of trained faculty takes care of the employment opportunities by conducting campus interviews. Counselling service and Legal Aid are arranged by the college.

The College has a wide range of sports, games, cultural and extra-curricular activities that are available to the students. During the last 5 years, 67 students have participated in various National Level competitions in co-curricular, extracurricular and cultural activities. Besides

providing incentives for sports personnel, the college offers special scholarships and free hostel accommodation.

The College has a feedback mechanism and the faculty is provided with a summary of the feedback from students. Similar feedback is also collected from employers. The college has a registered alumni association with Reg. No. KTM/13/2013. The Alumni Association in association with Sri. George Thomas Kottukapally Trust has instituted an award worth Rupees One Lakh for the “Best Ethical Business Man of Kerala”. The College has units of NCC, NSS, Red Cross, Jesus Youth and many clubs and various departmental associations.

Criterion 6: Governance, Leadership and Management

The college is governed by a Managing Board consisting of the Patron, the Manager, the Pro-Manager, the Principal, the Vice-Principal, Bursar and two educationists to formulate the broad policy matters. There is a Staff Council consisting of the Principal, Vice-Principal, Bursar, Heads of the Departments, Librarian and three elected teacher representatives with whose assistance the Principal runs the day-to-day activities of the college. The Principal acts as a link between the College, the Management, the University, the Government and the public. The Principal as academic head of the College is responsible for the day to day academic and administrative affairs.

A master plan called VISION 2025 has been developed by the College Management in consultation with the academia and other stakeholders. It serves as a guideline for all development projects. Recruitment of faculty is based on merit and in accordance with the rules and regulations of the UGC, University and State Government.

Staff appraisal takes place through Teacher Performance Record and their self-appraisal reports. It is regularly monitored by the HOD and the Principal. Self appraisal reports are submitted to the HOD and he forwards the same to the Principal. Feedback from the students enables teachers to improve their performance. The feedbacks on teacher’s performance are collected from the outgoing UG and PG students and processed by the IQAC, the score sheets are provided to the teachers for self evaluation and to make necessary corrections and modification of the teaching methodology, scholarship, motivating ability, mentoring capacity and time management.

The College established an Internal Quality Assurance Cell in 2004 itself which was

reconstituted in March 2011 and January 2014 as per NAAC guidelines. There is a Grievance Redress Cell in the college to redress the grievances and complaints of students. Grievances are considered within 24 hours by the Cell.

There is St. Thomas College Staff Co-operative Society Ltd. No. K. 434 for mobilizing the savings of teachers and non-teaching staff of the college as well as to give loans for purposes such as housing, purchase of cars, domestic needs, Cash Credit to meet contingencies, etc.

All accounts are audited and utilization certificates are submitted on time. The statutory financial audit is conducted during April every year and reports are sent to UGC, DST and National and State Govt. agencies. The Management conducts internal financial audit every year.

Criterion 7: Innovations and Best Practices

The important healthy and innovative ideas and methods practiced and applied in the day-to-day affairs of the college are summarized below:

- Intensive Value Education Programme
- Skill Enhancement and Career Orientation Programme
- Resource mobilization for research and infrastructural development from Government and non-Government agencies, alumni associations, PTA, students, faculty members, supporting staff and the public.
- Spacious, clean, well maintained campus and facilities.
- Utilization of non-conventional energy sources such as solar energy, bio- waste generated energy etc to meet the energy needs of the college, student amenity centres etc.
- Rain water harvesting system.
- Participation in social forestation programmes.
- Introduction of Green alternatives of scientific methods in the revised syllabi of UG and PG programmes under the initiative of the faculty members of our college who are working as Board of Studies Members.
- Training for UGC/CSIR JRF-NET examinations.
- Disseminating the research knowhow of the faculty for the good of the public through extension and outreach programmes.
- Establishments of training centre for Civil services and other competitive examination.
- Involvement of retired staff in expert teaching and guiding research.
- Imparting value based moral education.

- Sensitizing students about social responsibility and promoting leadership.
- Very active Alumni Association and PTA.
- Very dynamic and active career placement and guidance centre
- Career Oriented Add-on Programmes for employability and skill development.
- Community College for Vocational Programmes and IGNOU Centre for Distance Education.
- Green Audit and use of non-conventional energy.

Finally, it is gratifying to know that the array of programmes initiated by the college have resulted in phenomenal growth in its general performance. Evidently, there is a tangible improvement in the pass percentage, the number of students getting placement, the number of those getting through the UGC-CSIR tests, research output, the student performance in programmes such as ASAP, individual performance of students, the quantum of UGC fund allotment and so on.

SWOC ANALYSIS

The management of the college organizes internal as well as external auditing of the campus regularly. The audit team is constituted by experts in different fields in and outside. In their audit report, they provide detailed SWOC analysis. In addition to this, the IQAC of the college conducted a number of brainstorming sessions with teaching and non-teaching faculty, students, parents, alumni working in reputed institutions in India and abroad. We also get opinion from a large number of experts in different fields visiting the college from in and abroad, the public, press personnels and the peers. The IQAC makes SWOC analysis based on these feedbacks. On the basis of these SWOC analysis exercises, we have formulated a 'Vision-2025' document which envisages what we should be by the year 2025.

STRENGTHS

- Able and active Management.
- Well qualified, skilled and sincere faculty.
- Service minded supporting staff.
- Very good updated infrastructure facility.
- CPE status for the college.

- FIST (DST) and SARD (KSCSTE) supported science departments.
- Support from all funding agencies like UGC, DST, KSCSTE, CSIR etc.
- Wide, Calm, clean, eco-friendly and peaceful campus.
- Academically motivated students with very good examination results.
- Commendable track record of placements.
- Active departmental associations.
- Student representations from all sections of the society (SC+ST+OBC >30%) and all regions of the state.
- Admitting all applicants belonging to SC/ST/OBC.
- Practically no dropouts.
- Student training is value based.
- CBCSS (UG) and CSS (PG) are implemented.
- A large number of our students get scholarships under different schemes.
- Career oriented add on courses and soft skill development programmes.
- Regular remedial support to weak students.
- Active alumni associations and PTA.
- Ten research departments engaging vigorous research
- Large number of Major and Minor projects of state and central agencies.
- More than 50 international peer reviewed journal publications per year.
- Organizing a large number of international and national conferences and workshops.
- INFLIBNET/NLIST and High speed broadband connectivity to staff and students.
- Active Career Guidance and Placement cell.
- Large number of JRF/NET, GATE and other competitive exam winners.
- Spacious library with more than 84000 books and 300 journals/periodicals.
- Separate hostel facilities for boys and girls.
- Student Amenity Center catering to the diverse needs of the students.
- Wide playgrounds and training facilities.
- Wifi enabled campus.

WEAKNESSES

- We are in need of separate research blocks for research students of science, social science and humanities.

- Lack of modern sophisticated research facilities within the campus
- The working space availability for researchers is insufficient.
- Being a rural area, industrial collaboration is limited.
- Lack of a proper finishing school facility.
- Absence of an instrumentation maintenance center with trained staff.
- Lack of a Central Management Information System.
- Library is to be fully digitalized.

OPPORTUNITIES

- Emerging priority to Basic Science education and research.
- Inter disciplinary research is the current trend and with added resources, we can do better by utilizing the expertise of our faculty members who are doing excellent research by collaborating with internationally reputed institutions.
- Vocational programmes for industrial collaboration.
- ASAP for enhancing the employability of our students.
- Availability of faculty exchange programmes.
- Implementation of RUSA Scheme.
- Starting of new Centres like, Srinivasa Ramanujan Institute for Basic Sciences, Science City, IIIT, etc.
- Regional concern with environmental issues.
- Opportunity for autonomy
- Scholar Support Programme (SSP) for academically weak students.
- Walk With a Scholar (WWS) programme for gifted students.

CHALLENGES

- Politically motivated Hartals, Bandhs and Strikes in Kerala.
- Ever increasing running cost of the institution.
- Delayed conduct of university examinations and publication of exam results.
- Disposal of electronic and chemical waste is a serious issue.
- Continued budget reductions by govt. agencies for education.

POST ACCREDITATION INITIATIVES

The following were the suggestions made by the last NAAC Peer Team in 2007. The post accreditation initiatives are given against bullets.

(i) *The college may focus on strengthening undergraduate programmes by way of seeking academic consultancy and expert advice to maintain the optimal strength and introduce more diploma and certificate courses.*

- The College with Potential for Excellence status conferred by UGC has significantly added to the reputation of the college. In the reverse flow of students from engineering colleges, our college has become a favoured destination for the brighter ones among them. With the introduction of CAP admission process for CBCSS and CSS in Mahatma Gandhi University, Kottayam, all UG and PG programmes have full intake except in the case of SC/ST. Besides, a host of new career oriented add-on programmes, campus recruitment facilities, ASAP programmes for skill development etc. have contributed in a big way to the increase in intake.

(ii) *The College may take steps to start some unconventional UG programmes, such as Electronics, Computer Applications, Social Work and Performing Arts etc.*

- We started B.Sc. Leisure, Recreation and Sports Studies under UGC Innovative Program in 2013. BCA and B.Com. with Computer Applications were started under self-financing stream in 2013. M. A. History with Archaeology is slated to take off from this year (2014). Besides, 5 UGC sponsored career oriented add-on programmes have been started. Recently, the UGC has sanctioned funds to start 2 B.Voc. Degree and 2 Voc. Diploma programmes also under Community Colleges Scheme.

(iii) *The collaboration with local industries may be formalized and stated clearly for the effective involvement of both agencies.*

- We have executed an MoU for active linkage and collaborations with 4 reputed industries to start Vocational degree and diploma programmes. Also Departments of Statistics,

Biostatistics, Botany, Microbiology, Chemistry, Biochemistry, Physics and Commerce have collaborations with local industries. These linkages/collaborations have actually resulted in 14 formal MoUs and greater synergy.

(iv) *The teaching-learning should be supported by the massive expansion of information and communication infrastructure like connectivity to individual faculty and also make available educational technology tools. This should be the next and immediate priority.*

- The college has subscriptions to e-journals and books under INFLIBNET/NLIST. High speed optical fibre cabling has been introduced for broad band internet. Interactive boards, LCDs etc have been installed and ICT methods are widely used by staff and students. All the departments have internet connectivity and sufficient number of PCs., and the faculty are system savvy.

(v) *The management may promote Academic and Research leadership for planning and monitoring research projects.*

- A Research Monitoring Cell has been constituted with experts to provide academic and research leadership. The planning and monitoring of research projects is effectively done by the cell. In the last five years, the faculty members have published 39 books, 242 papers in reputed national/ international journals and 70 papers in conference proceedings. A total of 64 Ph.Ds. have been awarded under the supervision of our research faculty during this period.

(vi) *Language faculty may be encouraged to publish more books and encourage creative writing among students.*

- The language faculty has taken up the challenge and organized many workshops and training programmes for creative writing and theatre programmes. As a result they have published 17 books, 4 campus newspapers and many student magazines etc. A Drama troupe 'Electra' and a Music troupe "Rubber Band" have been developed. Besides, members of the language faculty have extensively published on current issues in periodicals/magazines.

(vii) *The existing lab facilities should be further upgraded and it should be comparable to other leading institutions for quality research output.*

- The IQAC, Planning Committee and Research Monitoring Cell have explored all the available opportunities for getting funds for infrastructure development and modernization. This brought in more funds from UGC, DST, KSCSTE etc. which was utilized on a priority basis for modernizing and updating the laboratories and class rooms with new equipment. This has given greater momentum to teaching, learning and research. The quality of research output has also improved significantly as evidenced by the publications and projects executed.

(viii) *The college may also explore the possibilities of developing more linkages with national scientific institutions.*

- The international conferences, exchange visit programmes etc have resulted in establishing more linkages and collaborations with national scientific institutions. Collaborations are in place with National Science Academies, IISc., ISI, MOSPI, IISER, RCC Trivandrum, CMC Vellore, etc. Our faculty members have academic exchange programmes with international experts and scientists.

(ix) *Faculty and administrative staff may be given more opportunities to visit other institutions in India to upgrade their skills and knowledge.*

- Sincere attempts have been made in this respect and many such skill development programmes were organized at college level as well. Our faculty and administrative staff are encouraged to participate in national/international seminars, conferences, workshops etc to upgrade their skills and knowledge.

(x) *Expand central computer facility, train all office & teaching staff in the use of computer.*

- The management has set up a new Computer Lab with 70 computers, in addition to the computer labs in the individual departments. All office and teaching staff are given training in the use of computers and softwares. Admission details, attendance, examination, internal assessment scores etc. are submitted online. The office and library are automated. E-mail has become a dominant mode of communication for the faculty.

(xi) *The IQAC has to be entrusted with the responsibility of ensuring quality and also its sustenance. The Academic and Administrative Audit by external experts may help and accelerate*

the process of effective implementation.

- The IQAC has become the chief organ for quality enhancement and sustenance. It keeps in touch with all stakeholders and monitors the progress in quality measures and has set up benchmarks for improvement. Feedback is collected and analyzed and the results are conveyed to all. Annual internal academic audit has been made mandatory. Besides, an additional external academic audit was also conducted to assess our progress during the last 5 years, recently. Exit meetings are held and reports on assessment are given to each department with suggestions for improvement.

(xii) Since the management has large number of institutions, (450) it would be appropriate if a suitable policy is evolved to strengthen the linkages between the institutions. (The integrative mechanism has to be worked out) Formation of consortium for sharing of expertise with sister institutions should be explored.

- As always, St. Thomas College, Palai is the standard bearer of all educational activities under the Management. National Conferences, Seminars etc. are jointly organized. Research scholars from the sister institutions are provided all facilities including library, laboratory and classes as part of Ph.D. Course work. Leading researchers from associate institutions are supervisors in our research centres. The CBCI Meeting, Dr.A.P.J.Abdul Kalam's visit and interaction, ICMST International Conference, ASAP Training Camps, Teacher Training Programmes etc. were organized jointly in this college for the benefit of all. The new Sports infrastructure being developed is a joint project.

(xiii) The college should prepare a perspective plan (vision document) for the next decade and indicate the pattern of growth and development.

- The Management has prepared a perspective plan document 'Vision 2025' listing all developmental activities and academic programmes to be started to make this college a centre of excellence of international standards by 2025. The document was released by Dr.A.P.J.Abdul Kalam on 6th September 2012 in a public function.

1. PROFILE OF THE COLLEGE

1	Name and Address of the College		ST. THOMAS COLLEGE PALAI Arunapuram P. O. – 686 574 Kottayam (dist.), Kerala, India. www.stcp.ac.in			
2	For Communication					
	Designation	Name	Telephone with STD code	Mobile	Fax	Email
	Principal	Fr. N. V. Joseph	O: 04822 212317 R: 04822 212316	944612622 2	+91 4822 216313	principal.stc@gmail.com
	Vice Principal	Sri. V. T. Thomas	O: 04822 212317 R: 04822 211310	944612636 8	+91 4822 216313	thomasvalarkot@gmail.com
	Vice Principal	Sri. Cherian Vadakkekunnel	O: 04822 212317 R: 04822 215678	944745678 0	+91 4822 216313	tommycherry@gmail.com
	Steering Committee Coordinator	Sri. Cherian Vadakkekunnel	O: 04822 212317 R: 04822 215678	944745678 0	+91 4822 216313	tommycherry@gmail.com
3	Status of the Institution	Affiliated College ✓		Constituent College		Any other (specify)
4	Type of Institution					
	a. By Gender			For Men	For Women	Co-education
						✓
	b. By Shift			Regular	Day	Evening
				✓		
5	It is a recognized minority institution?			Yes		No
				✓		
	If yes specify the minority status (Religious/linguistic/any other) and provide documentary evidence.					Religious
6	Sources of funding					
	Government	Grant-in-aid	Self-financing		Any other	
		✓	✓			
7	a. Date of establishment of the college		07 th August 1950			
	b. University to which the college is affiliated /or which governs the college (If it is a constituent college)		Mahatma Gandhi University, Kottayam			
	c. Details of UGC recognition					
	Under Section	Date, Month & Year (dd-mm-yyyy)			Remarks (If any)	
	i. 2 (f)	01/01/1956			Order No. F1-2/2004 (CEP-1)	

	ii. 12 (B)	01/01/1956	-do-
	(Enclose the Certificate of recognition u/s 2(f) and 12(B) of the UGC Act)		
	d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)		Nil
8	Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?		No.
9	Is the college recognized		
	a. by UGC as a College with Potential for Excellence (CPE)?	Yes	No
		✓	
	If yes, date of recognition	20-03-2010	
	b. for its performance by any other governmental agency?	Yes	No
			✓
	If yes, Name of the agency and		
	Date of recognition: (dd/mm/yyyy)		
10	Location of the campus and area in sq.mts:		
	Location *	Campus area in sq. mts.	Built up area in sq. mts.
	Urban	99472 m ² (24.58 Acre)	23627.8 m ²
	(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)		
11	Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.		
	i) Auditorium/seminar complex with infrastructural facilities		✓
	ii) Sports facilities	Play ground	✓
		Swimming pool	Under renovation
		Gymnasium	✓
	iii) Hostel		
	- Boys' hostel		
	Number of hostels	Number of inmates	Facilities (mention available facilities)
	1	140	99 Rooms, Recreation/ Reading room, Visitor's room, Guest Room, Mess hall, Phone booth, Internet facility, Playground, Prayer Hall, Modern Kitchen, Garden, Study Hall, Biogas Plant, Gobar Gas Plant, Buffalo Farm, etc.
	- Girls' hostel		
	Number of hostels	Number of inmates	Facilities (mention available facilities)
	4	200	S H Hostel, Alphonsa Hostel, Adoration Hostel and Assumption Hostel run by Rev. Sisters under the Diocese of Palai accommodates 50 students each.

- Working women's hostel							Nil	
iv) Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)				Teaching			Non-teaching	
				1			1	
v) Cafeteria							1	
vi) Health centre, First aid, Inpatient, Outpatient, Emergency care facility, Ambulance			First aid facility is available in the college itself. Also, a well established hospital, viz. Marian Medical Centre with Inpatient, Outpatient, Emergency care facility, Ambulance etc. is available within 400 metres. An MoU has been signed between the college and the said hospital.					
vii) Facilities like banking, post office, book shops								
Banks			Post Offices			Book Shops		
2			1			1		
viii) Transport facilities to cater to the needs of students and staff						Public/private buses are frequent		
ix) Animal house						Yes		
x) Biological waste disposal						Yes		
xi) Generator or other facility for management/regulation of electricity and voltage						Yes		
xii) Solid waste management facility						Yes		
xiii) Waste water management						Yes		
xiv) Water harvesting						Yes		
12	Details of programmes offered by the college (Data for 2013-14 academic year)							
Sl. No	Progr- amme Level	Name of the Programme/ Course		Durat- ion (in years)	Entry Qualificat- ion	Medium of instruction	Sanctioned /approved Student strength	No. of students admitt- ed**
1	Under Grad- uate	1	B.A. Economics	3	Plus Two	English	60	56
		2	B.A. Politics	3	Plus Two	English	60	59
		3	B.A. Eng. Lang. & Literature	3	Plus Two	English	40	37
		4	B.A. Malayalam	3	Plus Two	Malayala m	60	51
		5	B.A. History with Archaeology & Museology (Vocational)	3	Plus Two	English	24	28
		6	B.A. Eng. Lit. & Comm. Studies (Self Financing)	3	Plus Two	English	30	34
		7	B.Sc. Mathematics	3	Plus Two	English	40	36
		8	B.Sc. Physics	3	Plus Two	English	48	46

			9	B. Sc. Chemistry	3	Plus Two	English	48	41
			10	B. Sc. Botany	3	Plus Two	English	48	31
			11	B.Sc. Zoology	3	Plus Two	English	48	31
			12	B.Com	3	Plus Two	English	50	62
			13	B.Sc. Recreation Leisure & Sports Studies (UGC Inn. Programme)	3	Plus Two	English	30	26
			14	B. Com. With Computer Applns. (Self Financing)	3	Plus Two	English	40	39
			15	B.C.A.	3	Plus Two	English	40	8
	2	Post Grad-uate	1	M. A. Economics	2	Graduation	English	25	29
			2	M. A. Politics	2	Graduation	English	25	30
			3	M.A. English	2	Graduation	English	25	30
			4	M.A. Hindi	2	Graduation	Hindi	25	21
			5	M. A. Malayalam	2	Graduation	Malayalam	15	19
			6	M.Sc. Mathematics	2	Graduation	English	15	18
			7	M. Sc. Statistics	2	Graduation	English	15	19
			8	M. Sc. Physics	2	Graduation	English	18	23
			9	M. Sc. Chemistry	2	Graduation	English	20	23
			10	M. Sc. Botany	2	Graduation	English	12	15
			11	M.Sc. Bio-Statistics	2	Graduation	English	20	24
			12	M. Sc. Bio-Technology	2	Graduation	English	20	10
			13	M.Sc. Appl. Microbiology	2	Graduation	English	20	24
			14	M.Com	2	Graduation	English	15	19
	3	Integrated Programmes PG			Nil				
	4	Integrated Programmes Ph.D.			Nil				
	5	M.Phil.			Nil				
	6	Ph.D.	1	Hindi	3-8	PG	Hindi	30	18
			2	English	3-8	PG	English	60	43

			3	Malayalam	3-8	PG	Malayalam	35	18
			4	Politics	3-8	PG	English	60	21
			5	Chemistry	3-8	PG	English	30	8
			6	Mathematics	3-8	PG	English	20	8
			7	Statistics	3-8	PG	English	45	22
			8	Commerce	3-8	PG	English	30	25
			9	Physics	3-8	PG	English	25	14
			10	Botany	3-8	PG	English	25	14
			(Last column above gives the total no. of research scholars as on 31/3/14)						
	7	Certificate Courses	1	Financial Accounting using Tally*	200 Hours	Plus-Two	English	30	30
			2	Latex Type Setting and Science Journalism*	200 Hours	Plus-Two	English	40	40
			3	Statistical computing and data analysis*	200 Hours	Plus-Two	English	40	40
			4	Bioinformatics & Biotechnology	100 Hours	Plus-Two	English	40	40
			5	Apiary Management	100 Hours	Plus-Two	English	40	40
			6	Pagemaker & Photoshop	200 Hours	Plus-Two	English	40	40
	8	UG Diploma	1	Communicative English*	300 Hours	Plus-Two	English	40	40
			2	Hindi Translation and Documentation*	300 Hours	Plus-Two	Hindi	40	40
			3	Computer Applications	100 Hours	Plus-Two	English	40	40
	9	PG Diploma			Nil				
	10	Any Other (specify and provide details)	1	B.Com. (IGNOU)	3 years	Plus-Two	English	60	55
2			M.Com. (IGNOU)	2 years	B.Com.	English	20	15	
* UGC Sponsored **Including marginal/ additional seats.									
13	Does the college offer self-financed Programmes?					Yes		No	
						✓			
	If yes, how many?					6			
14	New programmes introduced in the college during the last five years if any?					Yes		No	
						✓			
						Number		8	

15	List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)					
	Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research	
	Science	Mathematics	✓	✓	✓	
		Statistics	Nil	✓	✓	
		Physics	✓	✓	✓	
		Chemistry	✓	✓	✓	
		Botany	✓	✓	✓	
		Zoology	✓	Nil	Nil	
	Arts	English	✓	✓	✓	
		Malayalam	✓	✓	✓	
		Hindi	Nil	✓	✓	
		Economics	✓	✓	Nil	
		History	✓	Nil	Nil	
		Politics	✓	✓	✓	
	Commerce	Commerce	✓	✓	✓	
	Any Other (Specify)	Physical education	✓	Nil	Nil	
16	Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com.)					
	Annual system		Semester system		Trimester system	
	Nil		39 (UG - 15, PG - 14, Ph.D.- 10)		Nil	
17	Number of Programmes with					
	Choice Based Credit System	Inter/Multidisciplinary Approach		Any other (specify and provide details)		
	29	2 (M.Sc. Bio-Stat & B.Sc Sports)		Nil		
18	Does the college offer UG and/or PG programmes in Teacher Education?				Yes	No
						✓
19	Does the college offer UG or PG programme in Physical Education?				Yes	No
						✓
	If yes,					
	a. Year of Introduction of the programme(s) and number of batches that completed the programme				2013-14	
					Nil	
	b. NCTE recognition details (if applicable)		Not Applicable.			
	Notification No.	Date (dd/mm/yyyy)		Validity		
	c. Is the institution opting for assessment and accreditation of Physical Education Programme separately				Yes	No
						✓

20	Number of teaching and non-teaching positions in the Institution											
	Positions	Teaching faculty						Non-teaching staff		Technical staff		
		Professor		Associate Professor		Assistant Professor						
		*M	*F	*M	*F	*M	*F	*M	*F	*M	*F	
	Sanctioned by the UGC / University/ State Govt.											
	Recruited	Nil	Nil	56	Nil	42	5	43	5	1	Nil	
	Yet to recruit	Nil		Nil		3 (Guest Lect.)		Nil		Nil		
	Sanctioned by the Management /society or other authorized bodies (Ad-hoc)											
	Recruited	Nil	Nil	Nil	Nil	12	20	1	3	Nil	1	
	Yet to recruit	Nil		Nil		Nil		Nil		Nil		
*M-Male *F-Female												
21	Qualifications of the teaching staff											
	Highest qualification	Professor		Associate Professor		Assistant Professor				Total		
		Male	Female	Male	Female	Male	Female					
	Permanent teachers											
	D.Sc./D.Litt.	Nil		Nil		1		Nil		Nil		
	Ph.D.	Nil		Nil		36		Nil		12		
	M.Phil.	Nil		Nil		7		Nil		7		
	PG	Nil		Nil		11		Nil		24		
	Guest Lecturer											
	PG							2		1		
	Temporary teachers (Ad-hoc)											
	Ph.D.	Nil		Nil		Nil		Nil		3		
	M.Phil.	Nil		Nil		Nil		Nil		2		
	PG	Nil		Nil		Nil		Nil		8		
	Part-time teachers											
	Ph.D.	Nil		Nil		Nil		Nil		Nil		
	M.Phil.	Nil		Nil		Nil		Nil		Nil		
	PG	Nil		Nil		Nil		Nil		1		
	22	Number of Visiting Faculty /Guest Faculty engaged with the College								32		
	23	Furnish the number of the students admitted to the college during the last four academic years.										
		Categories	2013-14		2012-13		2011-12		2010-11			
Male			Female	Male	Female	Male	Female	Male	Female	Male	Female	
SC		68	17	62	24	39	20	36		21		

	ST	16	5	24	6	11	7	9	5
	OBC	83	35	78	42	41	28	43	24
	General	464	191	443	181	428	163	419	165
	Others	--	--	--	--	--	--	--	--
24	Details on students enrolment in the college during the current academic year (2013-14)								
	Type of students			UG	PG	M. Phil.	Ph.D.	Total	
	Students from the same state where the college is located			1398	578	-	207	2183	
	Students from other states of India			1	2		-	3	
	NRI students			-	-	-	-	-	
	Foreign students			-	-	-	-	-	
	Total			1399	580		207	2186	
25	Dropout rate in UG and PG (average of the last two batches) (%)								
		2012-13			2013-14		Average		
	UG	0.36			0.52		0.44		
	PG	0.18			0.86		0.52		
26	Unit Cost of Education (Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)								
	(a) including the salary component				Rs. 59220				
	(b) excluding the salary component				Rs. 1801				
27	Does the college offer any programme/s in distance education mode (DEP)?					Yes		No	
						✓ M.Com (IGNOU)			
28	Provide Student-Teacher ratio for each of the programme/course offered								
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14		
	B.A. Economics	21:1	21:1	22:1	23:1	23:1	23:1		
	B.A. Politics	51:1	53:1	44:1	49:1	46:1	52:1		
	B.A. Eng. Lang. & Literature	7:1	7:1	7:1	8:1	8:1	9:1		
	B.A. Malayalam	20:1	23:1	16:1	22:1	26:1	35:1		
	B.A. History with Archaeology & Museology (Vocational)	18:1	19:1	20:1	20:1	19:1	19:1		
	B.A. Eng. Lit. & Comm. Studies (Self Financing)	12:1	12:1	12:1	12:1	12:1	12:1		
	B.Sc. Mathematics	20:1	20:1	20:1	20:1	20:1	20:1		
	B.Sc. Physics	18:1	18:1	19:1	21:1	20:1	21:1		
	B. Sc. Chemistry	16:1	16:1	16:1	16:1	16:1	16:1		
	B. Sc. Botany	12:1	15:1	18:1	30:1	32:1	40:1		
	B.Sc. Zoology	10:1	13:1	14:1	17:1	20:1	26:1		

1. Our college is a partner institution under ASAP (Additional Skill Acquisition Programme) of Govt. of Kerala.
 2. 42 external faculties are serving our institution as research guides.
 3. The University Study Centre, a branch of M. G. University Library is functioning in our college.
 4. A Guest-House of the Management comprising of 300 well-furnished rooms is situated in our campus which is a great help in organizing conferences/ seminars etc.
 5. A well-reputed Civil Service Institute is functioning in our campus.
 6. M.A. History Programme is sanctioned by the affiliated university and is offered from 2014-15 academic year onwards.
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2. CRITERIA - WISE INPUTS

CRITERION I: CURRICULAR ASPECTS

1.1. Curriculum Planning and Implementation

1.1.1. State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Our vision is to create a centre of excellence through the formation of young people empowered to create a bright future for themselves and others, irrespective of caste, creed, religion or language through dissemination of knowledge, skills and noble values.

The mission of the College is as follows:

- To provide the students with faith in God, love for their fellow men and devotion to the Motherland by imparting moral, religious, intellectual and physical discipline.
- To empower the students with deep knowledge and awareness of current developments in their chosen subjects.
- To equip the students with skills necessary to succeed at the very highest level in a competitive world.
- To assist the students in developing a sense of personal worth, social consciousness, emotional maturity, loyal citizenship, respect for labour and proactive leadership.
- To encourage scholarship and research, especially those that are locally relevant yet globally acceptable. These will be achieved through teamwork and innovative methodologies employing opportunities both inside and outside the classroom.

The college has relentlessly been in pursuit of the lofty ideals professed by its venerable founders. The insignia says it all: while the grandeur of its motto- VITA LUX AMOR (Life, Light & Love) is held out as supreme values, its Pala context specificity is indicated by the Meenachil River on whose banks the college is situated. If the Set Square is associated with its patron St. Thomas and the time honoured moral values, the pepper wine is suggestive of the ecological vision of inclusive growth.

The effective dissemination of the vision and mission of the college is ensured by prioritizing it in the college website, college calendar, the annual newsletter and other college publications such as monographs, books, seminar proceedings etc. The early induction programme for the freshers gains added significance as it spells out the vision and mission for the new entrants. The vision and mission of the college is displayed in front of the main office also. Significantly, within the parameters of these, and as far as its federating structure allows, each department devices its own programmes with a view to face the challenges of the new era ensuring innovative quality and excellence.

1.1.2. How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

- Clearly demarcated time table, class attendance register, teachers' work record, lesson plan etc.
- Regular monitoring of progress in the college council and department staff meetings.
- Regular teaching hours are supplemented with morning and evening sessions and weekend classes.
- Invited lectures, conferences, seminars, workshops, assignments and presentations are conducted.
- Besides, for the benefit of slow learners, there are remedial classes as well as peer teaching to augment classroom sessions.

1.1.3. What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

- Conducted several workshops/seminars on the methodology of teaching different subjects in collaboration with the University/Kerala State Higher Education Council/UGC, etc.
- Conducted staff training programmes, Orientation to parents, students and new teachers, training to teachers on the newly implemented Choice Based Credit and Semester System (CBCSS).
- Internet connectivity and ICT facilities have been made available in all departments.
- The Management as well as the University encourages teachers to pursue research and gain new knowledge.
- Members of the faculty attended 32 refresher courses and 13 orientation courses during the last five years and Biju K. C. of the Department of Economics availed TFS of UGC.
- UGC, DST and other agencies funded 47 major/minor research projects which helped in improving the teaching and research capabilities of teachers.
- The four storied Golden Jubilee Memorial Library, established with the support of UGC, PTA, Staff, Alumni, and the Management consisting of more than 84000 books, 300 journals and periodicals, INFLIBNET/NLIST online facilities provide ample opportunity for the faculty and students to deepen their knowledge base.
- Four teachers have academic overseas exposure during 2008-2014 as detailed below.

Faculty	Scheme Availed	Institute Visited	Duration
Dr. Dennis Thomas	DST BOYSCAST Fellowship	Institute of Applied Molecular biology, University of Hamburg, Germany	1 year (2007-08) 19 th March 2007 to 20 th March 2008
Dr. Dennis Thomas	INSA-JSPS visiting Scientist	Field Science Centre for Northern Biosphere, University of Hokkaido, Japan	3 months (2009) 19 th May to 17 th August, 2009
Dr. Dennis Thomas	INSA-PAS visiting Scientist	Department of Pharmaceutical Biology and Botany, Medical University in Wroclaw, Poland	3 months (2013) May 11, 2013 to July 28, 2013
Dr. Dennis Thomas	Visiting Associate Professor	Field Science Centre for Northern Biosphere,	3 months (2014) April 1, 2014 to

		University of Hokkaido, Japan	June 30, 2014
Dr Jose T Puthur (Joined Calicut University in March 2009)	Visiting Scientist	Biological Research Centre (Centre of Excellence of the EU), Hungarian Academy of Sciences, Szeged, Hungary.	March 2007 to March 2008
Dr Vincent Mathew (Joined Central University, Kerala in September 2011)	INSA Bilateral exchange Programme	University of Pecs, Hungary	April, May, June, 2007
Dr. Stany Thomas	Nehru Fulbright Scholarship	Port Land Community College, U.S.A	August 2011 to December 2011

1.1.4. Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other Statutory agency.

- Maximum number of instructional hours ensured by compensating for loss of hours by leaves, engaging extra classes and conducting invited lectures.
- Bridge course prior to the commencement of UG and PG programmes are conducted by selected departments such as English, Biostatistics, Biotechnology, etc.
- A system of remedial teaching is adopted in all classes both at UG and PG levels.
- Coaching programmes have been conducted for UGC NET/JRF examinations.
- Orientation programmes on CBCSS have been conducted both at college and dept. levels
- At least two internal examinations are conducted in every semester as part of internal assessment.
- Model examinations for viva-voce and project viva are conducted for all students.
- Each batch (UG and PG) is assigned a tutor/class teacher who provides mentoring support to students. Tutorial work record is maintained for every student.
- PTA meeting is held in every semester and the interaction is recorded in the tutorial work record. Internal marks are reported to parents during this meeting.
- All students are given opportunities for ICT aided seminar presentations, project presentations and assignments.

1.1.5. How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

- Teachers participated in various workshops conducted by the university and industry.
- Active involvement of members of faculty in the external evaluation process.
- Industry visits and field visits are organized by various departments.
- The college conducts at least 50 invited lectures by eminent personalities, researchers and experts every year.
- The career guidance centre functioning in the college assists employers including banks to select candidates from the campus itself. More than 200 students have been recruited by scheduled banks, MNCs, etc.
- On the Job training is given to students of Communicative English, Vocational History and Malayalam Departments.

1.1.6. What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

- 23 teachers contributed to the development of the curriculum at the university level as members of PG Board of Studies, since 2009.
- Besides, 8 teachers served the UG Board of Studies at the University level for the Development of the curriculum since 2009.

FACULTY MEMBERS IN BOARD OF STUDIES (During 2008-14)

Sl. No.	Faculty	Subject	University	Period
Undergraduate				
1	Dr K. M. Kurian	Statistics	M G University	2005-2009
2	Dr Seemon Thomas	Statistics	M G University	2013-2017
3	Dr Sunny Kuriakose	Chemistry	Kerala University	2013-2016
4	Baby Augustine	Zoology	M G University	2009-2014
5	Dr V V Georgekutty (Chairman)	Commerce	M G University	2013-2017
6	Dr C T Francise	Sanskrit	M G University	2009-2013
7	Fr. N V Joseph	Syriac	M G University	2009-2013
8	Dr Biju K C	Economics	M G University	2014-2017
Postgraduate				
1	Dr K. M. Kurian	Statistics	M G University	2014-2017
2	Dr Joy Jacob	Statistics	M G University	2010-2013
3	Dr Seemon Thomas	Statistics	M G University	2014-2017
4	Dr Benny Kurian	Statistics	M G University	2010-2013
5	Dr K. M. Kurian	Statistics	Calicut University	2014-2018
6	Dr Sunny Kuriakose	Chemistry	M G University	2010-2013
7	Dr K K John	Economics	M G University	2010-2013
8	Joseph J Mattam	Economics	M G University	2014-2017
9	Dr C K James	Hindi	M G University	2008-2017
10	Dr Shajimon K Mathews	Politics	Kannur University	2013-2016
11	Dr Shajimon K Mathews	Politics	M G University	2014-2017
12	Fr Mathew Kurian	Politics	M G University	2014-2017
13	Dr Stany Thomas	Politics	M G University	2010-2013
14	Mathew Sebastian	Politics	M G University	2010-2013
15	Dr Sunny Joseph (Chairman)	Commerce	M G University	2014-2017
16	Manuel Joseph (Chairman)	Mathematics	M G University	2014-2017
17	Dr Baby Thomas (Chairman)	Malayalam	M G University	2014-2017
18	Dr Toji Thomas	Botany	M G University	2014-2017
19	Dr P D George	Hindi	M G University	2008-2017
20	Dr C T Francise	Sanskrit	M G University	2008-2013
21	Dr Raj Mathew	Mathematics	M G University	2014-2017

22	Paul V Karamthanam	Botany	M G University	2010-2013		
23	J Chandramohanam	Mathematics	M G University	2010-2012		
24	Dr Thomas Scaria	Malayalam	M G University	2014-2017		
25	Fr. N V Joseph	Syriac	M G University	2008-2011		
- Faculty members of English, Physics, Statistics, Biostatistics, Economics, History, Physical Education, Biotechnology and Communicative English departments together designed no less than 15 curricula approved by the University. 6 of our faculty members namely, Dr V V Georgekutty (Commerce), Dr V K Jose (Mathematics), Dr P O Augusthy (Botany), Joseph J Mattam (Economics), Dr Sunny Mathew (Physics), Dr Davis Xavier (Malayalam) and Fr N V Joseph (Syriac) acted as members of the Expert Committee for the conversion of CBCSS system from direct to indirect grading. - Feedbacks are duly collected from students, teachers and other stakeholders and presented at the periodical workshops conducted by the University for restructuring the curriculum and necessary changes are brought in from time to time. - Our faculty had 86 memberships in different committees/ workshops in connection with the design/ review/ revision/ restructuring of syllabus/ curriculum since 2009. Details are given below.						
Sl. No.	Faculty	Dept.	Event	UG/ PG	University	Year
1	Dr Sunny Joseph	Commerce	CBCSS Curriculum Design	UG	M G University	2010
2	Tejil Thomas	Commerce	-do-	UG	M G University	2010
3	Tejil Thomas	Commerce	CSS Curriculum Design	PG	M G University	2010
4	Johnson Andrews	Commerce	CBCSS Curriculum Design	UG	M G University	2010
5	V O Chummar	Comm. English	Curriculum Design	UG	M G University	2009
6	Tom K Varghese	Comm. English	-do-	UG	M G University	2009
7	Thomas Jacob	Comm. English	-do-	UG	M G University	2009
8	Dr Stany Thomas	Politics	Syllabus Revision	UG	M G University	2009
9	Dr Shajimon K Mathews	Politics	Syllabus Revision Committee	UG	M G University	2012
10	Fr Mathew Kurian	Politics	-do-	UG	M G University	2009
11	Sijo K Manuel	Politics	-do-	UG	M G University	2009
12	Fr Mathew Kurian	Politics	-do-	PG	M G	2012

					University	
13	Dr James John	History	Workshop for Restructuring Curriculum	UG	M G University	2009
14	Sabu Augustine	History	Syllabus Revision	UG	M G University	2011
15	Dr James John	History	-do-	UG	M G University	2011
16	Dr C K James	Hindi	Syllabus Design	PG	M G University	2011
17	Dr P D George	Hindi	-do-	PG	M G University	2011
18	Baby Augustine	Zoology	Restructuring Curriculum	UG	M G University	2009
19	Baby Augustine	Zoology	Workshop on Restructured Syllabus	UG	M G University	Aug 2011
20	Baby Augustine	Zoology	-do-	UG	M G University	2011
21	Mathew Thomas	Zoology	-do-	UG	M G University	2011
22	Dr Sunny Mathew	Physics	Expert Committee	UG	M G University	2013
23	Dr Sunny Mathew	Physics	CBCSS Curriculum Reforms	UG	M G University	2013
24	Dr Ison V Vanchipurackal	Physics	Syllabus Restructuring Workshop	UG	M G University	2009
25	Dr Ison V Vanchipurackal	Physics	-do-	PG	M G University	2012
26	Dr Ison V Vanchipurackal	Physics	Curriculum Review Workshop	UG	M G University	2011
27	Dr K K Jose	Statistics	Workshop on Syllabus Revision	PG	M G University	2011
28	Dr Joy Jacob	Statistics	-do-	PG	M G University	2011
29	Dr K M Kurian	Statistics	-do-	PG	M G University	2011
30	Dr Alex Thannippara	Statistics	-do-	PG	M G University	2011
31	Dr Sebastian George	Statistics	-do-	PG	M G University	2011
32	Dr Benny Kurian	Statistics	-do-	PG	M G	2011

					University	
33	Dr Seemon Thomas	Statistics	-do-	PG	M G University	2011
34	Dr K K Jose	Bio-Statistics	-do-	PG	M G University	2011
35	Dr K M Kurian	Statistics	Workshop on CBCSS Syllabus Revision	UG	M G University	2009
36	Dr C K James	Hindi	Member, CBCSS Review Committee	UG	KSHEC, Govt. of Kerala.	2012
37	J. Chandramohan	Mathematics	Syllabus Revision Workshop	UG	M G University	2009
38	J. Chandramohan	Mathematics	-do-	PG	M G University	2011
39	Manuel Joseph	Mathematics	Syllabus Revision Workshop	UG	M G University	2009
40	Tommy Thomas	Mathematics	Syllabus Review Workshop	UG	M G University	2011
41	Jogy Alex	Chemistry	Syllabus Revision Workshop	UG	M G University	2009
42	Jogy Alex	Chemistry	Syllabus Review Workshop	UG	M G University	2011
43	Jogy Alex	Chemistry	Syllabus Revision Workshop	PG	M G University	2012
44	Dr Sunny Kuriakose	Chemistry	-do-	UG	M G University	2009
45	Dr Sunny Kuriakose	Chemistry	Syllabus Revision Review Meeting	UG	M G University	2011
46	Dr Sunny Kuriakose	Chemistry	Syllabus Revision Workshop	PG	M G University	2012
47	Dr Sunny Kuriakose	Chemistry	-do-	UG	Kerala Uty.	2013
48	Dr Sunny Kuriakose	Chemistry	Ph.D. Course Work Design	Ph. D.	M G University	2012
49	Dr G D Gem Mathew	Chemistry	Syllabus Revision Workshop	UG	M G University	2009
50	Dr G D Gem Mathew	Chemistry	-do-	PG	M G University	2012
51	Dr Stany Thomas	Politics	Syllabus Revision	PG	M G University	2012
52	Dr K K John	Economics	Workshop on Restructuring Curriculum	UG	M G University	2009
53	Dr K K John	Economics	-do-	PG	M G University	2012

54	Dr Joy George	Economics	-do-	UG	M G University	2009
55	Dr K K John	Economics	Workshop on Curriculum Review	UG	M G University	2011
56	Dr Joy George	Economics	-do-	UG	M G University	2011
57	Dr Joy George	Economics	Workshop on Restructuring Curriculum	PG	M G University	2012
58	Dr Biju K C	Economics	-do-	PG	M G University	2012
59	Alan Zacharias	Economics	-do-	PG	M G University	2012
60	Paul V Karamthanam	Botany	Syllabus Revision	UG	M G University	2009
61	Dr Jomy Augustine	Botany	Syllabus Revision	UG	M G University	2009
62	Dr Dennis Thomas	Botany	Syllabus Revision	UG	M G University	2009
63	Paul V Karamthanam	Botany	Syllabus Review	UG	M G University	2011
64	Paul V Karamthanam	Botany	Syllabus Revision	PG	M G University	2012
65	Dr Dennis Thomas	Botany	Syllabus Revision	PG	M G University	2012
66	Dr Siby James	English	Curriculum Revision	PG	M G University	2012
67	P J Johnson	English	-do-	PG	M G University	2013
68	William Zacharias	English	Syllabus Revision	PG	M G University	2013
69	Jose Mathew	English	Syllabus Revision	PG	M G University	2012
70	Meenu Maria George	Bio-Technology & Applied Microbiology	Restructuring Curriculum of MSc Bio-Technology	PG	M G University	2012
71	Praveena George	-do-	-do-	PG	M G University	2012
72	Jethin Lal Khosh J P	-do-	-do-	PG	M G University	2012
73	Noby Mathew	-do-	-do-	PG	M G University	2012
74	Noby Mathew	Bio-	Restructuring	PG	M G	2012

		Technology & Applied Microbiology	Curriculum of MSc Applied Microbiology		University	
75	Archana Cherian	-do-	-do-	PG	M G University	2012
76	Sini Jacob	-do-	-do-	PG	M G University	2012
77	Jethin Lal Khosh J P	-do-	-do-	PG	M G University	2012
78	Dhanya T M	-do-	-do-	PG	M G University	2012
79	Anupama K S R	-do-	-do-	PG	M G University	2012
80	Dr Baby Thomas	Malayalam	Restructuring Curriculum	PG	M G University	2012
81	Dr Davis Xavier	Malayalam	-do-	PG	M G University	2012
82	Princemon Jose	Malayalam	Syllabus Review	PG	M G University	2012
83	Ashish Joseph	Physical Education	Curriculum design workshop	UG	KSHEC	2010
84	Ashish Joseph	Physical Education	Curriculum design	UG	M.G University	2013
85	Joben K Antony	Economics	Workshop on Restructuring Curriculum	PG	M G University	2012
86	Joji Jacob	Economics	-do-	PG	M G University	2012

1.1.7. Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

- The college offers 9 value added programmes including five UGC sponsored career oriented programmes under various levels like diploma, certificate etc. Significantly, the course design and plan of these courses are internally generated.
- The Department of English designed and developed curricula for three programmes, namely; UGC test coaching plan, Bridge Course, and Spoken English Course.
- Physical Education department developed a curriculum for B.Sc. Sports Studies programme and the proposal has been approved by UGC for financial assistance under Innovative Programme.
- The curriculum designed for the Vocational Degrees ((a) Sustainable agriculture and (b) Food processing technology) and the Diploma courses ((a) Renewable energy and (b) Hardware and networking maintenance), prepared by our faculty led by Dr.Ison V. Vanchipurackal, has been accepted by the UGC and the courses are sanctioned.

Needs Assessment – It was based on the relevance and job opportunity, taking into account the opinion of present and former students and recruiters.

Design – The curricula were designed by our faculty members in consultation with the experts and resource persons in the relevant field.

Development – In the case of UGC sponsored B. Voc. Degree Programmes and Vocational Diploma Programmes, the curricula so prepared were sent to the University for approval. In other cases the curricula are prepared and approved by the competent authority.

Planning – This includes the time schedule of the course, the duration of the course, methodology of the course, fees, faculty, examination etc. The action plan is finalized by a committee consisting of the Manager, Principal, External Expert and the coordinator of the respective course.

1.1.8. How does institution analyse /ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Systematically monitored internal evaluation system is introduced in the college.
- Performance of students in co-curricular and extra-curricular activities in and outside the college is also closely monitored.
- Placement records and students' achievements in national level examinations/tests are ensured through the Career Guidance and Placement Cell.
- Value added programmes, career orientation, value education and moral classes, students' activities, ICT aided seminars and project presentations, etc. are conducted to effectively achieve the objectives.
- Student enrolment for higher studies, research, etc is closely monitored by departments.
- College and department level alumni associations network the college to the current global scenario.
- The percentage of pass, number of university ranks and grades, placements, etc. are other indicators of achievement.
- Feedback from stakeholders especially from parents, students and employers are also taken into account.

1.2. Academic Flexibility

1.2.1. Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

With a view to promote career orientation in emerging job trends and placements, the college has taken initiative to offer add-on programmes for skill development and employment potential.

There are five UGC sponsored career oriented programmes namely;

- (i) Diploma in Communicative English
- (ii) Certificate in LaTeX Software for Documentation for Scientific Journalism
- (iii) Certificate in Financial Accounting using Tally
- (iv) Certificate in Statistical Computing and Data Analysis
- (v) Diploma in Hindi Translation and Documentation

In addition to this the following value added programmes are offered by various departments:-

- Certificate for Tax Practitioners by ICAI (Institute of Chartered Accountants in India)

- Certificate in Apiary Management by Zoology Department
- Diploma in Computer Applications by Computer Institute
- Certificate in Pagemaker & Photoshop by Communicative English Department
- Certificate in Bioinformatics & Bio-Technology by Bio-Technology Department

In addition to this the following value added programmes were offered in the college during 2011-2013 in collaboration with KELTRON, Govt. of Kerala.

- Professional Diploma in Computer Hardware and Network Engineering.
- Professional Diploma in Computerized Instrumentation.

1.2.2. Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

An IGNOU Study Centre is functioning in the campus since 2004. It offers ample opportunity for students to do a degree programme simultaneously with their main course of study in the college.

1.2.3. Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability

- The college offers as many as 15 UG (7-science, 6-humanities & social science and 2-commerce) and 14 PG (8-science, 5- humanities & social science and 1-commerce) programmes. In addition there are facilities for research leading to Ph.D. in 10 disciplines. It provides academic flexibility as well as opportunity for higher studies and employment.
- With a view to promoting employability career oriented value added programmes are offered by the college.
- The introduction of CBCSS has brought in a certain amount of flexibility with regard to the choice of optional subjects.
- The interdisciplinary system of optional/open courses brings together students belonging to various disciplines in a common platform.
- A fair amount of academic flexibility is available for higher studies in social sciences and humanities in which the grades in the common and complementary courses form the criteria for admission to higher studies.
- In the fifth semester of the UG courses, each student can select an open course out of 12 courses offered by the college. It provides opportunity to students to pursue a course of their choice.

LIST OF OPEN COURSES FOR UG DURING 2008-14

Sl. No.	Name of the Course	Department	Period
1.	Applicable Mathematics	Mathematics	2011-To date
2.	Energy and Environmental studies	Physics	2011-To date
3.	Chemistry in Everyday Life	Chemistry	2011-To date
4.	Ecotourism	Botany	2011-To date
5.	Management of Ornamental Fish Breeding	Zoology	2011-To date
6.	Fundamentals of Economics	Economics	2011-To date
7.	Human Rights in India	Politics	2011-To date
8.	English for Career	English	2011-To date
9.	Pathrapravarthanam Adisthanathatwagal	Malayalam	2011-To date

10.	Social Implication of the Modern Revolutions	History	2011-To date
11.	Fundamentals of Accounting	Commerce	2011-To date
12.	Physical, Health and Life Skill Education	Physical Education	2011-To date
13.	Foundation Course in German	German	2011-To date

- In PG programmes, all the papers in the last semester are electives which help in improving potential for employability in various fields and research in emerging areas.

LIST OF ELECTIVE COURSES FOR PG DURING 2008-14

Sl. No.	Name of the Course	Department	Period
1.	Coding Theory	Mathematics	2008-2012
2.	Analytic Number Theory	Mathematics	2008-To date
3.	Fuzzy Mathematics	Mathematics	2009-2013
4.	Mathematical Economics	Mathematics	2008-To date
5.	Probability Theory	Mathematics	2008-2009
6.	Operations Research	Mathematics	2008-To date
7.	Probability Theory	Mathematics	2013-To date
8.	Advanced Distribution Theory	Statistics	2008-To date
9.	Operations Research	Statistics	2008-To date
10.	Statistical Quality Control	Statistics	2008-2012
11.	Econometric Methods	Statistics	2008-To date
12.	Microprocessors and Microcontrollers	Physics	2008-2013
13.	Optoelectronics	Physics	2008-2013
14.	Communication Electronics	Physics	2008-2013
15.	Electronic Instrumentation	Physics	2008-2013
16.	Solid State Physics	Physics	2013-To date
17.	Crystal Growth Techniques	Physics	2013-To date
18.	Nanostructures and Characterization	Physics	2013-To date
19.	Optoelectronics (Revised syllabus)	Physics	2013-To date
20.	Bio-Technology	Botany	2013-To date
21.	Bio-Technology & Ethnobotany	Botany	2008-2012
22.	Economics of Population	Economics	2008-2012
23.	Economics of Agriculture	Economics	2008-To date
24.	Economics of Industry	Economics	2008-2012
25.	Theories of Industry and Agriculture	Economics	2008-2012
26.	Monetary Theory and Policy	Economics	2012-To date
27.	Capital Market	Economics	2012-To date
28.	Management Theory and Practices	Economics	2012-To date
29.	The Indian Poetic Tradition	English	2012-To date
30.	Modern European Fiction	English	2012-To date
31.	Modern European Drama	English	2012-To date
32.	Shakespeare Across Cultures	English	2012-To date
33.	World Classics in Translation	English	2008-2012
34.	Literature and the Empire	English	2008-2012
35.	Women and Literature	English	2008-2012

36.	Tharathamya Sahithyam	Malayalam	2008-2012
37.	Loka Classikkukal	Malayalam	2008-2012
38.	Thakazhi-Grandhakarthur Padanam	Malayalam	2008-2012
39.	Feminism	Malayalam	2008-2012
40.	Theatarum Cinemayum	Malayalam	2008-2012
41.	Janasamskara Padanam	Malayalam	2013-To date
42.	Paribhasha-Sidhanthavum Prayogavum	Malayalam	2013-To date
43.	Sthreepaksha Rachanakal	Malayalam	2013-To date
44.	Puthusahithya Sameepanangal	Malayalam	2013-To date
45.	Business Environment	Commerce	2008-2011
46.	Financial Services	Commerce	2008-2011
47.	International Finance	Commerce	2012-To date
48.	Financial Market and Derivatives	Commerce	2012-To date
49.	Security Analysis and Portfolio Management	Commerce	2008-To date
50.	Cancer Biology	Bio-Technology	2012-To date
51.	Microbial Bio-Technology	Bio-Technology	2012-To date
52.	Molecular Markers in Cancer	Bio-Technology	2012-To date
53.	Pharmaceutical Microbiology	Applied Microbiology	2012-To date
54.	Clinical Microbiology	Applied Microbiology	2012-To date
55.	Microbial Ecotechnology and Soil Microbiology	Applied Microbiology	2012-To date
56.	Administrative Law and Adjudication	Politics	2008-2012
57.	Gandhian Thought	Politics	2008-2012
58.	American Govt. and Politics	Politics	2008-2012
59.	India's Foreign Policy	Politics	2008-2012
60.	UN and World Peace	Politics	2008-2012
61.	Theories and Concepts of Administrative Law	Politics	2013-To date
62.	Political Thought: Gandhian Tradition	Politics	2013-To date
63.	U.S. Govt. and Policies	Politics	2013-To date
64.	U.N. Peace and Governance	Politics	2013-To date
65.	Special Author-Yeshpal	Hindi	2008-2012
66.	Journalism	Hindi	2008-2012
67.	Satire-with special reference to Harisankar Parsai	Hindi	2008-2012
68.	Anchalik Upanyas-with special reference to Faneeshwarnath Renu	Hindi	2008-2012
69.	Modern Drama-with special reference to Sankar Sesh	Hindi	2008-2012
70.	Dalit Literature	Hindi	2013-To date
71.	Special Author-Nirmal Varma	Hindi	2013-To date
72.	Special Author-Bhishma Sahnee	Hindi	2013-To date
73.	Special Author-Ajneya	Hindi	2013-To date
74.	Advanced Inorganic Chemistry	Chemistry	2008-To date

75.	Advanced Organic Chemistry	Chemistry	2008-To date
76.	Advanced Physical Chemistry	Chemistry	2008-To date
In the sixth semester of UG programme, each department offers an elective course with a view to help the students in higher studies.			
LIST OF ELECTIVE COURSES FOR UG DURING 2008-14			
Sl. No.	Name of the Course	Department	Period
1.	Optoelectronics	Physics	2008-2011
2.	Nanoscience and Nanotechnology	Physics	2011-Todate
3.	Human Rights	Politics	2008
4.	Public Policy Analysis	Politics	2009-Todate
5.	Topology	Mathematics	2011-Todate
6.	Mathematical Economics	Mathematics	2008-2010
7	Polymer Chemistry	Chemistry	2008-Todate
8	Oru Sahithyakaran-Idassery	Malayalam	2008
9	Oru Sahithyakaran-Basheer	Malayalam	2009-2010
10	Malayalathile Sthree Rachanakal	Malayalam	2011-Todate
11	Cost Accounting I	Commerce	2008-2011
12	Cost Accounting II	Commerce	2008-2011
13	Income Tax Law and Practice	Commerce	2011-To date
14	Financial Management	Commerce	2011-To date
15	Value Added Tax-Concepts and Practice	Commerce	2011-To date
16	Income tax-Assessment and Procedure	Commerce	2011-To date
17	Human Resource Management	Economics	2008-To date
18	Systems of Museology	History	2008-To date
19	Applied entomology, Management of ornamental fish breeding, Vermiculture and Bee keeping	Zoology	2011-To date
20	Plant Genetic Resource Management	Botany	2008-To date
21	Regional Literatures in Translation	English	2008-To date
1.2.4. Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.			
The college offers the following self-financed programmes:- - M.Sc Biostatistics - M.Sc Applied Microbiology - M.Sc Biotechnology - BA Communicative English - B.C.A. - B.Com. with Computer Applications - The admission to these programs is guided by the university regulations. Half the strength of the course is filled through the centralized allotment process; the other half is management quota subject to minimum eligibility stipulated by the university. - The Curriculum followed by these courses is exactly in tune with the regular courses of the university.			

- We have well qualified faculty to engage the self-financed programmes as well.
- The fee structure is decided by the university and the college charges only the university rate of fee.
- The salary scale of the teachers of the self-financed programmes is as per Govt. /University guidelines.

1.2.5. Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

- Under the auspices of the Govt. of Kerala, a new programme known through the acronym, ASAP (Additional Skill Acquisition Programme) for students has been implemented from 2012 onwards. For this, 15 of our teachers serve as facilitators. Notably enough the number of students selected for the programme from our college by the Govt. in 2012-13, viz. 78 and in 2013-14, viz. 98 are the highest from among colleges in the state of Kerala. During 2013-14, our student Ms. Indu Peter was the State level Top Scorer in this programme. Also, our college was ranked as the first based on a10 parameter scale among the 198 colleges participated in the ASAP.
- The college computer centre and IGNOU centre offer Diploma in Computer Applications for the development of ICT skills of students.
- Training in Statistical Softwares for computation and data analysis is offered for the development of computational and analytical skills.
- Group discussions, mock-interviews, Spoken English, personality development programmes etc. are offered by the Career Guidance and Placement Cell for the development of soft skills.
- The Career Guidance and Placement Cell offers special coaching programmes promoting clerical aptitude, verbal aptitude, numerical aptitude, general mental ability, etc. for competitive examinations conducted by UPSC, SSC, PSC, Banks, Railways, etc. and a large number of students got placement.
- With a view to promote skills in teaching and research, UGC/CSIR NET/JRF test coaching is offered to students. During 2008-13, 177 students have qualified UGC-CSIR NET/JRF Examinations.
- The Civil Service Institute functioning in the campus offers coaching for the students for the civil services examination. 23 candidates in 2011, 25 in 2012 and 25 in 2013 were selected to Indian Civil Service from here.

1.2.6. Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students?

The university allows little freedom for combining the conventional face to face and distant mode of education. But the college makes use of the facilities offered by IGNOU to offer distance education. Currently, the IGNOU centre offers B.Com, M.Com, PGDIBO, BPP, and Certificate in German Language to more than 300 learners.

1.3. Curriculum Enrichment

1.3.1. Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

- UGC sponsored and self-financed value added programmes are conducted by the college.
- Computer training programmes and certificate courses are conducted.
- Soft skill development programmes are organized.
- Career training programmes are organized. Coaching for competitive examinations, training for group discussions, mock interviews, etc. are conducted.
- Value education and moral classes are organized.
- Entrepreneurial skill development programmes are organized.
- Women Cell and Jana Maitri Vanitha Jagradha Samiti functioning in the college execute a multitude of activities for women empowerment and security.
- Under the auspices of the NSS, legal awareness programmes (Consumer protection, general rule, traffic rule etc.) have been organized.
- Through the anti-narcotic cell students are made aware of the possible dangers of drug abuse and alcohol.
- NSS and Bhoomitra Sena organize various ecological awareness and tree planting programmes for nurturing a love towards environment and biodiversity.
- Leadership training programmes under the auspices of the NSS unit are envisaged to foster social awareness and commitment.
- The College Union organizes various programmes for promoting leadership qualities, patriotism, and national integration as well as parliamentary system of democracy.
- Under the auspices of the College Union various competitions in cultural and literary events, sports and games, etc. are organized for nurturing the talents of students.

1.3.2. What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

- Teachers actively participated in the curriculum revision process at the university level. Seminars, projects, etc were made mandatory for both UG and PG students for improving the employability of learners.
- Career guidance cell provides the students with career awareness and soft skill development sessions.
- Entrepreneurial Development Club organizes programmes for promoting innovations and entrepreneurial abilities. Efforts are being made to establish an incubation centre in consultation with industries, engineering colleges and the Department of Science and Technology.
- The book lovers' club of the English Department introduces a new book to the students each month. Readers' Club aims to foster reading habit and general knowledge among the students.
- Students are given opportunity to interact with representatives of major industries and alumni with industry experience on Industry-Academy collaborations. This helps in moulding the students to cater to the needs of the employment market.

- Syllabi are prepared in consultation with industries like Cognizant Technology Solutions, TCS, etc.

1.3.3. Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

- Computer literacy and education are mandatory for all students of the college though not stipulated by the university. Value added diploma or certificate programmes in computer application are offered by the college. ICT-aided seminar presentations and peer teaching are practiced in all departments at UG and PG levels.
- Every research department encourages students to take topic for research from areas relating to gender, climate change, environmental education, human rights, etc.
- The Department of Political Science has been conducting UGC sponsored seminars on human rights. The college has already submitted proposals to UGC for conducting seminars and certificate programmes on human rights issues.
- The open courses offered by departments of Politics, Botany, Zoology, and Chemistry have thrusts on issues like human rights, environmental issues, Ecology and Biodiversity, Pollution Control and Climate Change.
- Women's cell addresses women specific issues, organizes workshop and seminars concerning women's equality, gender issues and so on.
- Bhomitra Sena is an initiative by the NSS to save the earth from all sorts of pollutions. The college is also planning to undergo the GRIHA Rating also.

1.3.4. What are the various value-added courses /enrichment programmes offered to ensure holistic development of students?

Moral and Ethical values:

The college offers the following programmes to promote moral and ethical values.

1. Spiritual and moral classes followed by college-level and diocesan-level scholarship examinations.
2. Spiritual renewal programmes are regularly conducted every year by experts for staff and students
3. The St. Thomas Society for Science and Religion instituted in the college aims at encouraging greater understanding of the religious and spiritual significance of science for the benefit of humanity and also to train the youth to give more emphasis for ethics, values and morality in their lives.

Employable and Life Skills: The following are the courses designed to promote life skills.

1. Career oriented add-on programmes sponsored by the UGC as well as self-financed value added programmes are provided by all departments.
2. Computer education and training by the computer centre of the college.
3. Diploma in Computer Application (DCA) offered to the regular students of IGNOU centre of the college.
4. Personality development programmes by the Career and Placement Cell.
5. Training in group discussions, interviews, Spoken English, public speaking, etc.
6. Coaching for UGC/CSIR NET/JRF examination, civil service examination, bank tests, etc are given to students.
7. Family life awareness seminars as well as counseling services are provided by the Faculty of Religion and Moral Studies in the college.

Better Career Options:

The College has developed its own programmes to lead learners to better career options.

1. Career guidance and counseling are offered to all final year students.
2. Soft skill development sessions are conducted by career guidance and placement cell.
3. The college offers CPT programme of the Institute of Chartered Accountants of India (ICAI).
4. Career Orientation Certificate Programme conducted by the IGNOU centre.
5. Orientation programmes are conducted by faculty as well as former students at IITs, IIMs, National Law School, Central Universities, Overseas agencies, etc.

Community Orientation:

1. Under the auspices of the NSS and Blood Donors' Forum more than five hundred students have donated blood to about 1200 patients in different hospitals. All donors were given certificates also. The college has secured district level award for this meritorious service of students.
2. The Rev. Dr. Kurian Mattam Foundation for Alternative Education working in the college has adopted a ward in the Mutholy Grama Panchayat and has been organizing various community development programmes such as tuition classes, cultural programmes, medical camps, etc.
3. Every Friday, under the auspices of Jesus Youth noon meal packets are collected from students and are given to the inmates of the orphanage namely; Maria Sadan, Pala.
4. Under the auspices of the College Union and NSS, libraries have been developed at Govt. LP School, Kadayam, Pala, Girls Town School Kozhuvanal and Boys Town L P School, Parumalakkunnu. The books were collected from the staff and students of the college. Uniform dress materials and umbrellas are distributed to the students of these schools.
5. Dresses of good condition were collected from students and teachers and donated to the inmates of orphanages like Mariasadan, DCMR Puliyanloor, etc.
6. Gift Packets containing new dresses and cosmetics were distributed to the new born babies of poor mothers at Govt. Hospital, Pala. Bed sheets were also donated by students for the purpose of poor patients of Govt. Hospital, Pala.
7. Students and staff collected an amount of Rs. 25000/- and donated to Navajeevan Orphanage, Medical College Kottayam.
8. The NSS Unit collaborated with the Pala Municipality, in cleaning the road sides and drainage as part of the 'Clean City' project.

1.3.5. Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

1. Based on the feedback received from industry including banks, the college has been offering special training programs for bank tests as well as Entrepreneurship Development. An active Career Guidance and Placement Cell and a Bank Test Coaching Centre have been established.
2. Taking the feedback obtained from alumni and public into consideration, the college established an IGNOU Centre with a view to providing educational opportunities to employed youth and women including home makers.
3. A demand for computer training has been reflected in the feedback obtained from students, value added programmes (including curriculum) on computer applications have been developed and offered to students.
4. Taking the high demand for career training, as evidenced by the feedback from students and parents the college has implemented five UGC sponsored career oriented

programmes in addition to four self-financed add-on programmes. The curricula for all these programmes have been developed by our own faculty members.

5. Considering the opinion of Pharmaceutical companies we have included a course on Clinical Trials in the syllabus of M.Sc. Bio-statistics. We gratefully acknowledge the help rendered by Dr. Uma Padmini, Head, Bio-Statistics Division, Cognizant Technologies, Mumbai in this regard.
6. In the same way, the opinion of Mr. Arul Raj, Head - Leisure & Entertainment, Mahindra Holiday Group, Bombay was instrumental in the preparation of the syllabus for B.Sc. Recreation Leisure & Sports Studies (UGC Innovative Programme).

1.3.6. How does the institution monitor and evaluate the quality of its enrichment programmes?

- Every enrichment and value added programme is coordinated and monitored by different faculty coordinators/directors.
- The Career training and bank test coaching programme is evaluated based on the remarkable number of campus placements and direct recruitments obtained over the years. The observations and suggestions of the recruiters/employers are also utilized to evaluate the training programmes.
- With a view to ensuring high quality and excellent formation, extra classes and value added programmes are offered to IGNOU students.
- Internal examinations and practical sessions have been conducted regularly to evaluate the enrichment programmes offered by the college.
- Examinations have been conducted as per the university guidelines for the value added programmes.

1.4. Feedback System

1.4.1. What are the contributions of the institution in the design and development of the curriculum prepared by the University?

- From 2009 to date, our faculty have obtained 32 memberships in UG/PG Board of Studies at the University level and actively participated in the development of the curriculum.
- In addition to this, at least two faculty members from each department participated in the curriculum development workshops conducted by the university and contributed their expertise in designing the curriculum. This amounts to 86 memberships in committees/workshops in connection with syllabus revision/ curriculum design.
- Faculty members in English, Statistics, Physics, Economics, History, Physical Education, Biotechnology, Biostatistics, Applied Microbiology and Communicative English departments together designed curricula for more than 100 courses of different PG/UG programmes offered by the MG University.

1.4.2. Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing

changes/new programmes?

- There is an effective feedback system in place. Under the auspices of IQAC the college conducts Open House for students every year and collects feedback on curriculum from students.
- In addition to this the college collects feedback from outgoing students at the time of issuing T.C. from the college. This is kept by the Principal and used for introducing improvements in curriculum.
- There is also a system of syllabus evaluation by the students, teachers and parents and their observations are presented by the board of studies members in the curriculum review workshops.

1.4.3. How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)

The college has introduced three UG, one PG and five UGC aided career oriented programmes during the last four years.

1. B.C.A. programme has been introduced based on the recommendations of the last NAAC Peer Team as well as the commitment of the college for providing quality computer education to students and promoting their employability.
2. B.Sc. Sports Studies has been started under UGC innovative programme for grooming youngsters to suit the recreation and sports services industry as well as physical education and tourism management. The first NAAC Peer Team recommended starting an academic programme by the Physical Education Department considering its significant achievements at the national/international levels.
3. B.Com. with Computer Applications has been introduced considering the high demand for Commerce graduates in the global technology ridden market. There is great demand for Commerce programmes among the learners too.
4. M.A. History has been introduced taking into consideration the increase in the demand for historians, archeologists, etc. as well as the importance of research in History and related areas.
5. Five UGC career oriented programmes have been introduced by the college to promote the employability of students.
6. UGC has sanctioned recently two B. Voc. Degree programmes and two Vocational Diploma programmes along with financial assistance under the Community Colleges Scheme. This solves partly the thirst for industry oriented programmes of the society.

1.4.4. Any other relevant information regarding curricular aspects which the college would like to include.

- The departments of English, Biostatistics, Biotechnology, Microbiology and Physical Education offer bridge courses for those seeking admission in their departments.
- The Faculty of Religion and Moral Studies of the college offers regular value orientation programmes to all students in the college.
- The college offers 1 year Diploma in Computer Application in collaboration with the Department of Computer Education, Govt. of Kerala. This course is approved by PSC, UPSC and Nationalized Banks for computer proficiency requirement for jobs.

CRITERION II: TEACHING – LEARNING AND EVALUATION

2.1. Student Enrolment and Profile

2.1.1. How does the college ensure publicity and transparency in the admission process?

The institution ensures publicity and transparency in the admission process through the following methods.

- Prospectus
- College Website
- Press Releases and Advertisements in Newspapers
- University Notifications and Website.

The admission to various programmes is being carried out in accordance with the rules and regulations of the Govt. of Kerala and Mahatma Gandhi University. The reservation policy of the Government and the University is adhered by the college in the admission process.

2.1.2. Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

Students are admitted strictly based on the Govt/University guidelines and regulations. The reservation policy of the Government, UGC and the University is implemented by the college. Accordingly, 50% seats are filled based on open merit, 20% reserved for SC/ST, 20% under Management Quota and 10% seats are filled under Community Quota. There is no provision to conduct entrance test for admission to conventional programmes in affiliated colleges. However, admission to UGC sponsored B.Sc. Sports Studies is done based on a merit list prepared after conducting an entrance test conducted at the college level under the supervision of an expert from the university.

For conventional programmes, both at UG and PG levels, the admissions are done through a Centralized Allotment Process (CAP) in which candidates apply online through university website. In general merit and reservation quota admissions are made from the allotment list of the university. The admissions under Management Quota, Community Merit, Cultural/Sports Quota, and Physically Handicapped Quota are done at college level from the merit list of each category. The merit/selection list is published in the notice board/website. In case of complaints candidates can approach the Grievance Redress Cells functioning in the College and University.

2.1.3. Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

The following data corresponds to the academic year 2013-14.

Sl. No.	Programme	Maximum Marks (%)	Minimum Marks (%)
1	B.A. Economics	88	78
2	B.A. Politics	89	74

3	B.A. Eng. Lang. & Literature	87	79
4	B.A. Malayalam	85	72
5	B.A. History with Archaeology & Museology (Vocational)	83	70
6	B.A. Eng. Lit. & Comm. Studies (Self Financing)	88	71
7	B.Sc. Mathematics	96	79
8	B.Sc. Physics	95	80
9	B. Sc. Chemistry	94	81
10	B. Sc. Botany	88	67
11	B.Sc. Zoology	90	65
12	B.Com	96	89
13	B.Sc. Recreation Leisure and Sports Studies (UGC Inn. Programme)	85	74
14	B. Com. With Computer Applns. (Self Financing)	82	66
15	B.C.A.	80	67
16	M. A. Economics	88	81
17	M. A. Politics	86	73
18	M.A. English	92	88
19	M.A. Hindi	75	61
20	M. A. Malayalam	87	80
21	M.Sc. Mathematics	98	91
22	M. Sc. Statistics	99	88
23	M. Sc. Physics	96	89
24	M. Sc. Chemistry	95	89
25	M. Sc. Botany	94	82
26	M.Sc. Bio-Statistics	93	83
27	M. Sc. Bio- Technology	88	72
28	M .Sc. Appl. Microbiology	90	82
29	M.Com	95	90
30	M. A. History	NA	NA

The high entry level marks show that our college is a dream destination of students for their higher studies. Students are free to point out any number of options regarding their choice of colleges at the time of applying for courses through the Common Admission Process of the university. It is learnt that for most of the programmes our college was the first choice for majority of applicants. Moreover, it is evident from the admission data that St. Thomas College was the first choice of most of the students admitted into the various programmes of the college.

2.1.4. Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

The college adopts UGC, Govt. and University regulations and norms for admitting students. The admission process is subject to the verification/audit by the university and Govt. Every year the college submits semester-wise reports relating to the admission process to the university. These statutory requirements are adhered by the college with great enthusiasm with a view to ensuring justice and transparency in the admission process. For Management Quota and Community Quota admissions, students are required to submit separate applications to the College. Merit list of students under these categories is published in the college notice board and intimation letters are sent to the candidates by registered post.

Meetings of HODs and department level staff coordinators of admissions are convened to assess the progress of the admission process. Dr. V.K. Jose, Associate Professor of Mathematics, serves as the college level coordinator of admissions. When the process is complete, a meeting of coordinators and HODs is held to review the process of admission.

2.1.5. Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion *SC/ST *OBC *Women *Differently abled *Economically weaker sections *Minority community *Any other

As per the statutes, 50% seats are to be filled based on open merit, 15% reserved for SC, and 5% for ST. The reservation for Physically Handicapped is 1 seat for every programme. The table given below indicates the profile/category of students in the college during the last 5 years.

Category	Percentage of Students during the years				
	2009-10	2010-11	2011-12	2012-13	2013-14
SC	10.56	10.85	7.95	9.19	13.40
ST	3.98	4.14	2.42	2.83	3.34
OBC	15.11	16.18	26.16	15.07	13.22
Differently Abled	1.01	1.08	Nil	0.1	0.32
General: Hindu	17.32	14.03	13.42	17.07	12.49
General: Minority	52.02	53.72	50.05	55.74	57.23
Total: (%)	100	100	100	100	100
Total: (No.)	1582	1668	1900	1905	2186
Women (%)	27.31	27.04	27.05	28.9	21.27
BPL (%)	32.5	34.5	32.26	36.27	32.34

2.1.6. Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Sl. No.	Programmes	Number of applications				Number of students admitted				Demand Ratio			
		2010-11	2011-12	2012-13	2013-14	2010-11	2011-12	2012-13	2013-14	2010-11	2011-12	2012-13	2013-14
UG													
1	B.A. Economics	160	154	170	190	47	54	57	56	1:4	1:3	1:3	1:4
2	B.A. Politics	154	148	145	185	48	54	56	59	1:4	1:3	1:4	1:4
3	B.A. Eng. Lang. & Literature	127	135	170	180	26	32	38	37	1:5	1:5	1:5	1:5
4	B.A. Malayalam	90	120	140	175	24	42	55	51	1:4	1:3	1:3	1:4
5	B.A. History with Archaeology & Museology (Vocational)	86	40	65	80	23	16	18	28	1:4	1:3	1:4	1:3
6	B.A. Eng. Lit. & Comm. Studies (Self Financing)	98	100	115	130	33	32	36	34	1:3	1:4	1:4	1:4
7	B.Sc. Mathematics	126	140	118	105	22	20	27	36	1:6	1:7	1:5	1:3
8	B.Sc. Physics	120	115	135	138	35	35	32	46	1:4	1:4	1:5	1:3
9	B. Sc. Chemistry	117	95	121	150	36	29	36	41	1:4	1:4	1:4	1:4
10	B. Sc. Botany	45	58	116	118	12	17	26	31	1:4	1:4	1:5	1:4
11	B.Sc. Zoology	97	74	97	120	13	22	31	31	1:8	1:4	1:4	1:4
12	B.Com	457	448	490	476	60	59	64	62	1:8	1:8	1:8	1:8
13	B.Sc. Recreation Leisure & Sports Studies (UGC Inn. Programme)	-	-	-	122	-	-	-	26				1:5
14	B. Com. With	-	-	-	160	-	-	-	39				1:5

	Computer Applns. (Self Financing)												
15	B.C.A.	-	-	-	72	-	-	-	8				1:9
PG													
1	M. A. Economics	150	165	170	152	22	22	31	29	1:7	1:8	1:6	1:6
2	M. A. Politics	80	79	86	92	24	25	30	30	1:4	1:4	1:3	1:3
3	M.A. English	84	77	94	101	26	27	29	30	1:4	1:3	1:4	1:4
4	M.A. Hindi	49	55	70	90	13	19	23	21	1:4	1:3	1:3	1:5
5	M. A. Malayalam	66	78	53	75	14	14	18	19	1:5	1:6	1:3	1:4
6	M.Sc. Mathematics	78	101	98	86	14	16	18	18	1:6	1:7	1:6	1:5
7	M. Sc. Statistics	63	72	79	83	14	14	15	19	1:5	1:6	1:6	1:5
8	M. Sc. Physics	65	71	80	74	16	17	18	23	1:4	1:5	1:5	1:4
9	M. Sc. Chemistry	85	76	80	80	17	19	20	23	1:5	1:4	1:4	1:4
10	M. Sc. Botany	72	80	88	75	12	12	12	15	1:6	1:7	1:8	1:5
11	M.Sc. Bio-Statistics	51	60	84	93	7	21	19	24	1:8	1:3	1:5	1:4
12	M. Sc. Bio-Technology	24	60	82	70	3	5	12	10	1:8	1:12	1:7	1:7
13	M .Sc. Appl. Microbiology	105	48	43	55	19	14	18	24	1:6	1:4	1:3	1:3
14	M.Com	170	148	152	165	17	17	19	19	1:10	1:9	1:8	1:9

2.2. Catering to Student Diversity

2.2.1. How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

The College adheres to the Govt. /University policies and guidelines regarding the differently-abled students. The reservation norms are strictly followed. One seat in every programme of study is set apart for such students. Ramps and wheel-chairs are provided to needy students. Special toilets are also provided for differently abled students. The vehicles of differently abled students are allowed to reach near the building/classrooms. Our students are motivated to help such students in all their needs. For blinds and other physically challenged students scribes are permitted as per university norms. Orientation/Enlightening classes, counselling and placement assistance are extended to differently-abled students. The College takes special care in re-allocating classrooms for the convenience of such students.

2.2.2. Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

- Induction meeting is conducted for freshers and their parents with a view to clarify their doubts and assess their unique needs.
- Orientation programmes are conducted for the new batches of UG and PG separately and their skill is assessed by trained career counsellors and trainers.
- Induction meetings are conducted at department level also to assess students' knowledge level.
- Entry-level examinations are conducted by certain departments like English to evaluate the knowledge and skill of students.
- At the commencement of the programme a bio-data booklet is provided to students by their tutors. Data about their ambition, expectations, abilities, weaknesses, problems, family details, etc are collected and recorded in the booklet.

2.2.3. What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

- Crash programmes, special coaching, spoken English classes, etc. have been organised to fill the gap.
- Bridge courses are conducted by certain departments for the benefit of freshers.
- Remedial coaching is conducted by every department to support slow-learners as well as freshers to improve their knowledge level.
- The college conducts 5 UGC sponsored career oriented add-on programmes.
- Enrichment courses such as Diploma in Computer Applications, Career Orientation and Training, etc are also conducted by the college.
- Every year a bridge course is conducted before the commencement of the PG programme to introduce the course to the students. It enables the students to get acquainted with the programme.
- Personality development and leadership training programmes, value and moral education, spiritual orientation programmes, various clubs and organisations, NCC, NSS, etc would help to bridge the gap.

2.2.4. How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

- Women's Forum and 'Jana Maithri Vanitha Jagratha Samathi' networking all women in the campus and are functioning in the college. Lady faculty members act as the coordinators. Issues unique to women are addressed by the Forum. These aim at women empowerment.
- The college campus is kept as 'smoke free', and 'ever green'. The campus is full of trees. NSS volunteers take the leadership of planting trees. A medicinal garden is also maintained in the campus. The botanical names are displayed on all trees.
- A mega project for rain water harvesting is in progress. The project aims at supplying water to the college canteen at free of cost.
- The college has a system of collecting and disposing plastic and non-plastic waste separately without causing any pollution to the environment.
- Solar systems and lamps are fitted in the campus. All security lamps in the campus are

solar powered.

- Independence Day, Republic Day, Environment Day, AIDS Day, Blood Donors' Day, Peace Day, Gandhi Jayanti, and all other important days are observed by the college by organizing special programmes.
- Social, cultural, and environmental activists are invited to the campus for interacting with our students.
- The college admits students from all walks of life. Reservation norms are strictly adhered to. Press releases, spot admission facilities, etc ensure high enrolment of SC/ST/OBC/OEC/Minority students.
- KPCR Scholarship is available for students from low income families. Various scholarships are available for SC/ST students also. PTA also has instituted a number of scholarships for students on merit cum means.
- Remedial coaching is provided to SC/ST students.
- A Study Centre of IGNOU is functioning in the college with a view to providing educational opportunities to those including housewives, businessmen, farmers, planters, etc. who cannot cope up with the requirements of the regular system of education in the country.
- There is an SC/ST cell and Scholarship cell under the leadership of faculty members to monitor the related issues.

2.2.5. How does the institution identify and respond to special educational/learning needs of advanced learners?

- Merit scholarships are instituted by the college under the auspices of PTA.
- Advanced learners are given the opportunity to participate in the training programme conducted by the Civil Service Institute for UPSC examinations.
- Intensive coaching programmes for National Eligibility Test are organised.
- Advanced learners are encouraged to attend Summer Internship Programmes of Science Academies, National Youth Parliament, ASAP etc.
- Problem solving contests, quiz programmes, research project presentation competitions, etc. are also conducted specially for them.

2.2.6. How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

- The college has a system to collect, analyse and use information on the academic performance of students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections, etc. at risk of drop out.
- In every department the tutorial system under the leadership of a mentor/tutor has been introduced. Students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections, etc are given special care and attention.
- Free meals are provided by the college to students from economically weaker sections.
- Poor Students' Aid Fund is created at the college level. Free text books, note books, and other study materials are given to poor students.
- Poor students are identified and provided with all support including financial assistance at department level and teachers personally.

- Remedial classes are conducted for the benefit of slow-learners.
- Classrooms are re-arranged for the convenience of physically challenged students.
- Attendance is closely monitored by class teachers with a view to avoid attendance shortages and consequent drop-outs.
- The overall drop-out rate is less than 1 per cent during first and second years and this itself is for the purpose of joining professional courses such as Medicine, Engineering, Law, etc. During the final year there is no drop-out at all.

2.3. Teaching Learning Process

2.3.1. How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

- At the beginning of every academic year the College Council meets to prepare and approve the academic calendar for the year. It is published in the College Calendar and Handbook and copies are made available to students and staff.
- Termly examinations, model examinations, etc. are also scheduled in the meeting of College Council.
- A general time table for all classes is prepared and is made available to the students at the beginning of the academic year.
- Departments prepare their own detailed subject-wise time-table based on the general time-table.
- Individual teachers are assigned work by the Head of the Department. Teachers prepare the teaching plan of the topics allotted to each of them.
- Teachers keep daily work record which is periodically evaluated by the HOD and the Principal. This practice ensures effective implementation of the academic plan.
- Allotment of classrooms and recording of students' attendance are monitored at the institutional level. The attendance system is computerized as part of office automation.
- The heads of the departments and the faculty in charge of various curricular and co-curricular activities furnish a detailed schedule to the office at the beginning of every academic year. The College council discusses these programmes and finalizes the College calendar incorporating all such details. Copies of academic calendar are made available to the students and staff.
- On the first working day, the Principal and a team of teachers introduce the various activities and the rules of the College to the students.
- Meetings of the IQAC, College Council and departments are held at regular intervals to review the progress of the academic plan and suggest remedial measures wherever required.
- An evaluation blue print showing the allotment of marks, question numbers, etc is given on the facing sheet supplied in the examination hall.
- Details about the pattern/types of questions, number of questions to be answered in each section, weights/marks/credits for each question, etc. are published in the College Handbook and University website.

2.3.2. How does IQAC contribute to improve the teaching –learning process?

- Conducts orientation programmes about the newly introduced CBCSS at UG/PG levels.
- Conducts meetings of students to explain the scope and potentials of different Open Courses that offer choice/flexibility to students.
- Conducts 'Open House' to collect feedback about teachers, college, library, etc.
- Initiated steps to arrange 'Smart Classes' in every department.
- Acted as a catalyst in modernizing the classrooms for UG programmes.
- Played a major role in improving the performance of the college library.
- Conducts Internal Academic Audit every year and suggestions for the improvement of the teaching-learning process are given to departments.
- Played a significant role in introducing ICT methods at all levels.

2.3.3. How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

- The restructured curriculum both for PG and UG promotes interactive, collaborative as well as independent learning. The UG curriculum consists of seminar presentations, group projects, and assignments.
- Assignments, projects and seminars are made mandatory and internal evaluation/grades are based on their performance in seminars, projects and assignments.
- A system of Peer Teaching is adopted by most of the departments to ensure an active role for students.
- Group discussions, debates and quiz programmes are conducted to support interactive learning.
- ICT-Aided seminars are conducted by PG and UG students.
- Feedback is collected from students by the Principal and IQAC and the suggestions are taken care of for implementation.
- Departmental associations are organized. Students take the leadership and organize a variety of programmes under the guidance of the HOD/Tutor.
- Industry visits and study tours are conducted with the active participation of students.
- An elected students' union is functioning in the college. The Union takes the leadership to solve many of the problems of the students.
- Publications including newspapers, manuscript magazines, etc. by students are encouraged with a view to developing creative writing skills.

2.3.4. How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- Well known personalities and scientists such as Dr. A. P. J. Abdul Kalam, Prof. C.N.R. Rao and Dr. Shashi Tharoor are invited and interactive sessions are conducted to promote critical thinking and scientific temper among students.
- Intercollegiate and state level workshops and co-curricular activities are organised by departmental associations. It promotes organisation skill and creativity among students.
- Undergraduate students do group projects and PG students are required to do individual projects as part of their study. It creates research aptitude and scientific temper.
- Most of the departments are approved research centres. Students get opportunities to interact with the research scholars. Research scholars conduct seminars on their research topics for the benefit of the students.
- Science departments organize science fair and summer programmes for school students

with a view to promoting scientific temper.

- Leading newspapers in India, important journals in all disciplines, career magazines, etc are subscribed by the college library to enhance reading habit and general knowledge of students.
- Problem solving contests, quiz programmes, drama and other cultural events, etc are organised by departments.
- Every year Library Week celebration is organized to enhance reading habit among staff and students.
- Creative writing skill of students is nourished through campus newspapers and departmental bulletins and college magazines.
- The Civil Service Training Centre motivates students for indepth study in their discipline as well as general studies.
- Department level subject associations help teaching-learning through co-curricular activities, subject-level competitions, exhibitions, study tours etc.

2.3.5. What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

- ICT tools are extensively used in classroom both by the faculty and students.
- Students and faculty get free access to Internet through NME.
- E-learning resources such as INFLIBNET are available in the campus.
- The students are also encouraged to use computer software packages for meaningful analysis of the experimental data collected by them.

2.3.6. How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- At least three invited lectures are held every year at department level.
- Students who qualify the college level cultural and arts competitions participate in University/ State level competitions.
- Sportspersons of the college participate in university/state/national level competitions.
- Quiz competitions, group discussions, chess competitions etc. are conducted and those who excel are sent to University/ State level programmes.
- Departmental organisations conduct discipline-wise fests on a State/National level. Our students get an opportunity to interact with the students and faculty from other institutions of higher learning.
- Our students participate in many national as well as international conferences/seminars.
- Our NCC cadets participate in Republic Day Parades and other national level training camps.
- Visionaries, educationists and leading scientists such as Dr. A.P.J. Abdul Kalam, Prof. C.N.R. Rao, Dr. V.N. Rajasekharan Pillai, Dr. Shashi Throor, etc. are invited to the college for various programmes so that students and faculty get opportunities to interact with them.
- The college has a faculty exchange programme. Many of our teachers have visited foreign universities and participated in various conferences and undertaken collaborative researches.
- A good library with all modern online facilities is available in the campus.

- Teachers participate in refresher courses/orientation programmes in various universities all over India.
- Many of our teachers are members of the Board of Studies of other universities.
- We encourage our students to participate in national/international level training programmes to get an exposure to the latest trends and thereby equip them with advanced knowledge and skills.

STUDENT PARTICIPATION IN ADVANCED LEVEL PROGRAMMES

Sl. No.	Programme	Organizer, Place & Date	Participants
1	Near East Sub-Saharan Africa Undergraduate Exchange Programme (NESA URGAD)	Utica College of Syracuse University, USA, 10 August 2013-15 May 2014	Smruthi Mohan III B.A. Comm. Eng.
2	National colloquium on 100 years of Crystallography	KSCSTE, Trivandrum 7-9 February 2013	Krishnapriya G, II M.Sc. Physics Austina Kuriakose II M.Sc. Physics Adit Kaler, II M.Sc. Botany Swathi Krishna, II M.Sc. Appl. Micro. Anisha Kurup, II M.Sc. Appl. Micro.
3	Indian Student Parliament	Maharashtra Institute of Technology-School of Government (MIT-SOG) Pune, 10-12, January 2013	Sovin Thomas, III B.Sc. Physics Dijo V J, II B.Sc. Maths. Jose Kurian, III B.Sc. Physics Jayakrishnan, III BA Politics Joseph Cyriac, II BA English Jesbin Justin, II BA English
4	Indian Student Parliament	Maharashtra Institute of Technology-School of Government (MIT-SOG) Pune, 10-12, January 2014	Dijo V J, III BSc Maths.
5	International Summer School	Hokkaido University Japan, 22 June to 4 July 2012	Sweetymol Jose, Research Student in Botany
6	Preparatory School to the Winter College on Optics: "Advances in Nano-Optics and Plasmonics"	ICTP Italy, 30 January to 3 February 2012	Anju Babu, Research Student in Physics Jesly Jacob, Research Student in Physics
7	Winter College on Optics: "Advances in Nano-Optics and Plasmonics".	ICTP Italy, 6-17 February 2012	Anju Babu, Research Student in Physics Jesly Jacob, Research Scholar in Physics
8	Youth Exchange Programme	German Government & YMCA (Visited Germany & Netherlands), 6-28 May 2011	Sovin Thomas, IDC Physics

9	Training for student volunteer for Election	Ministry of Parliament affairs 2013	Jebin Thomas III DC Politics
10	Summer Research Fellowship (Guide: Dr K S Mallikarjuna Rao)	IIT Bombay, 2 April to 28 May 2014	Haritha Babu V R, I MSc Maths
11	Young Talent Nurture 2013	IIST Trivandrum, 28 May – June 8, 2013	Alfred Francise, I DC Maths
12	Pre-Conference Workshop and ISMS Annual Conference	Manipal University, Mangalore, 2010	All students of M.Sc. Bio-Statistics Programme
13	VIJYOSHI Camp 2012 (Organized by KVPY in association with INSPIRE Programme)	IISc Bangalore, 1-3 December 2012	Vineeth S, II DC Physics
14	Workshop on Variability of Astronomical Sources	Organized by IUCAA Pune at MACFAST Thiruvalla, 22-24 January 2014	Vineeth S, III DC Physics
15	Pre-Conference Workshop and ISMS Annual Conference	PSG Institute of Medical Sciences, Coimbatore, 2012	All students of M.Sc. Bio-Statistics Programme
16	Pre-Conference Workshop and ISMS Annual Conference	CMC Velloore, October, 2013	All students of II M.Sc. Bio-Statistics and II MSc Statistics Programmes
17	Familiarization Workshop on Nanofabrication Technologies.	IISc Bangalore, 16 - 18 April 2012	Ajith Thomas, Research Student in Physics Anju Elsa Tom, Research Student in Physics
18	Hands on training on Photovoltaics.	IISc Bangalore, 26 November – 5 December 2012	Ajith Thomas, Research Student in Physics
19	Hands on training on Photovoltaics.	IISc Bangalore, 18 - 28 June 2012	Anju Elsa Tom, Research Student in Physics
20	National Workshop for College Chemistry Students and Teachers	FCBS TVM and JNCASR, Bangalore, 13-15 Oct. 2008	Nisha P.M, II MSc Chemistry Anu James, II MSc Chemistry Asha Mar Thomas, II MSc Chemistry
21	National Workshop for College Chemistry Students and Teachers	FCBS TVM and JNCASR, Bangalore, 29-31 Oct. 2009	Sijo Scaria, II MSc Chemistry Jiji Abraham, II MSc Chemistry Teena James, II MSc Chemistry
22	Society and Public Policy: National Residential Youth Seminar	Centre for Civil Society, New Delhi 22-24 Jan. 2010	Siby Jose, III DC Chemistry
23	National Workshop for College Chemistry	FCBS TVM and JNCASR, Bangalore,	Anto Varghese, II MSc Chemistry Rajesh A.T, II MSc Chemistry

	Students and Teachers	25-27 Oct. 2010	Alphy Joe, II MSc Chemistry Vidya Jose, II MSc Chemistry
24	Kochi Model UN Conference '11	St.Terasas College, Ernakulam, 2/10/2011	Siby Jose, III DC Chemistry
25	National Workshop for College Chemistry Students and Teachers	FCBS TVM and JNCASR, Bangalore, 08-10 Nov. 2011	Rakesh R, II MSc Chemistry Vinod V, II MSc Chemistry Mariamma Jose, II MSc Chemistry Sreedevi C.N, II MSc Chemistry
26	UGC Sponsored National Seminar	Mar Thoma College, Tiruvalla. Feb. 14-15, 2012.	Sheena Varghese, Research Student in Chemistry
27	UGC Sponsored National Seminar	St.Josephs College, Moolamattam, 23-25 Feb.2012	Parvathy R.Devi, II MSc Chemistry
28	UGC Sponsored National Seminar:	St.Joseph's College, Moolamattom Feb. 23-25, 2012	Sheena Varghese, Research Student in Chemistry
29	Science Academy Lecture Workshop,	Indian Academy of Science, Bangalore, 1-3, Mrch, 2012	Parvathy R.Devi, II MSc Chemistry
30	KSCSTE Sponsored National Seminar	St. Thomas College, Pala, March 29-30, 2012.	Sheena Varghese, Research Student in Chemistry
31	UGC Sponsored National Seminar.	St. Aloysius College, Edathua, Alappuzha. Aug.21-23, 2012.	Sheena Varghese, Research Student in Chemistry
32	SPARK 2012: Intercollegite paper Presentation	Assumption College, Changanassery, 22.10.2012	Parvathy R.Devi, II MSc Chemistry
33	National Workshop for College Chemistry Students and Teachers	FCBS TVM and JNCASR, Bangalore, 09-11 Nov. 2012	Parvarthy R.Devi, IIMSc Chemistry Leena Francis, II MSc Chemistry
34	KSCSTE Sponsored National Seminar	St. Thomas College, Pala, Jan 14-15,2013	Sheena Varghese, Research Student in Chemistry
35	National Workshop for College Chemistry Students and Teachers	FCBS TVM and JNCASR, Bangalore, 15-17 Nov. 2013	Shibin Joseph, II MSc Chemistry Francis Thomas, II MSc Chemistry Linta George, II MSc Chemistry Deepa John, II MSc Chemistry Elizabeth Baby, II MSc Chemistry Minu Mary Sebastian, II MSc Chemistry
36	UGC,DST,and KSCSTE Sponsored International Conference	Alphonsa College Palai. March 26-28,2014	Sheena Varghese, Research Student in Chemistry
2.3.7. Detail (process and the number of students \benefitted) on the academic,			

personal and psycho-social support and guidance services (professional counselling/mentoring/academic advise) provided to students?

- Teachers encourage PG students to appear for national level competitive examinations. Training for NET examination is provided by the departments. Every year a large number of students qualify NET/JRF examinations.
- Training for civil service examinations is provided to students by the Civil Service Institute functioning in the campus. Every year not less than five students qualify the examinations and get placement. In 2012, 25 candidates from this Institute got selection to Indian Civil Service and among them Ms. Haritha V. Nair bagged I Rank at the national level.
- Students are encouraged for doctoral studies and many students pursue research leading to Ph.D. in the 10 research centres of the college.
- Finishing programmes are organized for UG students and proper career guidance is given to the students.
- The Career Guidance Cell functioning in the college organizes many orientation programmes, group discussions, quiz programmes, etc. for the benefit of the students. The placement record of the college is excellent and the best among affiliated arts and science colleges under MG University. In the year 2013, 52 students got placement as probationary clerks/officers in leading banks such as The South Indian Bank Ltd, Federal Bank Ltd, etc.
- Tutorial system is implemented in the college. Each tutor/mentor is in charge of 30 students (15-20 in case of PG students). Tutors provide mentoring support to students. Ambitions, difficulties, personal problems, expectations, etc. of the students are recorded in the Tutorial Work Record maintained for each student and are closely monitored.
- Students identified as suffering from psycho-social issues are referred to the official counsellor of the college.
- Rev. Dr. Mathew Panthalanickal serves as the official counsellor of the college. He served as a counsellor in United States for many years. The counsellor is available in the college council hall during all Wednesdays and identified students are sent to him for psycho-social support counselling. More than 200 students utilize this opportunity every year.

2.3.8. Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

- Introduced ICT tools in all classes and lectures are given with the support of PPT.
- A system of ICT-Aided seminars has been introduced and students present their projects, synopsis, etc with PowerPoint presentations.
- Green boards and Interactive Boards are fitted in classrooms and used effectively.
- Choice Based Credit and Semester System has been introduced both at UG and PG levels.
- Every department offers one 'Open Course' each with a view to providing flexibility and promoting interdisciplinary studies.
- Seminars and assignments are made part of classroom training and evaluation.
- Students are required to present their synopsis as well as final report before the screening committee and fellow students.

2.3.9. How are library resources used to augment the teaching- learning process?

- New arrivals are displayed at a prominent place in the library and books are issued to teachers and students in a systematic manner.
- INFLIBNET and NLIST facilities are available in the library. Students and teachers are permitted free access to Internet.
- Separate sections for reading and reference are arranged in the library.
- Separate sections are provided for teachers and women.
- Photostat facility is also provided in the library.
- Library Week celebration is held every year to enhance reading habit among staff and students.
- Separate section is arranged for career information. A number of career books and magazines are made available in this section.
- Book Exhibitions are arranged every year and special discounts are given to students and staff.
- Through Book Lovers' Club, Quality Study Circle, Readers Forum, Quiz Club, etc. Library augments the teaching- learning process effectively.
- Teaching-learning is supplemented through the Library Creative Users Forum which conducts programmes like Quizzes, Lecture Series, "Know this Author/Book", etc.

2.3.10. Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

- The loss of working days due to hartals, floods, declared holidays, etc is not uncommon.
- Lecture hours are lost due to Students' Union Activities, seminars, cultural programmes, programmes of departmental associations, etc.
- Students' seminar presentations, synopsis presentations, model viva, etc also consume lecture hours.
- The time schedule under the new CBCSS is tight and the institution finds it difficult to achieve the planned time-frame.
- The college has introduced a policy of no free hours. When a teacher is on leave the lecture hours are engaged by other teachers.
- Loss of class is compensated during Saturdays. Many teachers engage classes during morning and evening hours also.
- Students are given homework and assignments extensively.
- Either two examinations are held a day or classes are held during one session on examination days.
- Lesson plans are prepared by individual teachers. The college level time frame is published in the college calendar.
- Progress of the curriculum is closely monitored by the Principal, IQAC and College Council and necessary instructions are given from time to time.
- Department meetings are also held regularly to evaluate the progress of the curriculum. Special time tables are prepared to complete the curriculum of those courses that are lagging behind.

2.3.11. How does the institute monitor and evaluate the quality of teaching learning?

- Under the auspices of IQAC an 'Open House' is conducted and feedback about the

- A Full-fledged modern library with over 84000 books, over 300 print journals/periodicals and 27 copies of different newspapers is set up in campus.
- INFLIBNET, NLIST facilities are also available in the campus.
- University Study Centre Library hosted by the college, having over 20000 books and online journals is also functioning in our campus.
- Every department is computerized and free access to Internet is made available to faculty.
- Hostel facility is available for teachers.
- A staff cooperative credit society is functioning in the campus in order to meet the financial requirements of the staff.
- A full-fledged college canteen is also functioning in the campus.
- Meetings of staff, College Council, IQAC, etc. are held regularly with a view to ensure participative management.
- The Manager of the college finds time to interact with teachers, collect their suggestions and also address their complaints, if any.
- A get-together of teachers with grant dinner is conducted annually. The Patron of the college, Manager, Pro-Manager, and Principal also participate in the programme. This programme aims at establishing a good relation with the teaching faculty of the college.
- The college encourages teachers to participate in curriculum development workshops and conferences conducted by the university.
- The college conducted a number of methodology workshops sponsored by Kerala State Higher Education Council.
- Teachers are encouraged to do sponsored major/minor projects and the college provides all facilities for the execution of the projects.
- The college has a system to acknowledge major achievements of the teachers. All achievements are published in the College News Letter and College Magazine. Special meetings are organized to congratulate teachers who bag recognitions.

2.4.2. How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

The college offers PG programmes in emerging areas such as Biotechnology, Applied Microbiology and Biostatistics. We offer UG programmes also in modern areas. They are BSc in Recreation, Leisure & Sports Studies, BA in Communicative English, BCom with Computer Applications, B.A. in History with Archaeology and Museology and B.C.A. All these programmes are affiliated and recognised by Mahatma Gandhi University, Kottayam.

- MSc – Biotechnology, MSc – Applied Microbiology, BA – Communicative English and B.Com. – Computer Applications are offered as self-financed programmes. These departments are headed by eminent and experienced Professors (Rtd.).
- MSc – Biostatistics is coordinated by the Department of Statistics of this college.
- BSc – Recreation, Leisure and Sports Studies is coordinated by the Department of Physical Education of this college. Faculty members are appointed as per UGC norms with UGC pay package.
- 7 retired teachers with higher qualifications are engaged in different self-financed departments offering innovative programmes.
- The junior faculty members in these departments are post-graduates having First Class

with Distinction.

- The college also organizes a number of seminars, invited lectures, workshops, conferences, etc in emerging areas ensuring the presence and participation of experts in the relevant fields with a view to providing global exposure to our students.
- The faculty members are provided with facilities to participate in conferences, seminars, workshops, etc. held in reputed institutions in and outside Kerala.

2.4.3. Providing details on staff development programmes during the last five years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty attended					
	2009-10	2010-11	2011-12	2012-13	2013-14	Total
Refresher courses	8	3	5	10	6	32
HRD programmes	-	-	-	-	-	-
Orientation programmes	1	3	3	3	3	13
Staff training conducted by the university	3	4	2	5	2	16
Staff training conducted by other institutions	1	2	1	3	2	9
Summer / winter schools, workshops, seminars etc.	82	95	102	92	84	455
This includes the participation as resource person and paper presenter.						

DETAILS OF ORIENTATION COURSES ATTENDED BY FACULTY (During 2009 -14)

Sl. No.	Faculty	Organizing institute	Period
1.	Dr Raj Mathew	Academic Staff College (ASC), University of Kerala, Trivandrum	23/11/09 to 21/12/09
2.	Bobby Simon	ASC, Trivandrum	23/09/10 to 21/10/10
3.	Sijo K Manuel	ASC, Trivandrum	5/1/2011 to 1/2/2011
4.	Sojan Pullattu	ASC, Trivandrum	11/10/11 to 08/11/11
5.	Dr Johns Augustine	ASC, Trivandrum	11/10/11 to 08/11/11
6.	Bince Mani	ASC, Calicut	27/06/12 to 26/07/12
7.	Libin Kuriakose	ASC, JNU, New Delhi	08/10/12 to 02/11/12
8.	Dr Ginson P. Joseph	ASC, Trivandrum	30/10/12 to 29/11/12
9.	Mathew Thomas	Kannur University	20/11/13 to 17/12/13
10.	Alan Zacharia	Kannur University	20/11/13 to 17/12/13
11.	George Joseph	Kannur University	20/11/13 to 17/12/13
12.	Thomas Scaria	ASC, Trivandrum	11/10/11 to 08/11/11
13.	Ashish Joseph	ASC, Trivandrum	23/09/10 to 21/10/10

DETAILS OF REFRESHER COURSES ATTENDED BY FACULTY (During 2009 -14)

Sl. No.	Faculty	Organizing institute	Period
1	Sunil C. Mathew	UGC-Academic Staff College University of Kerala, Trivandrum	02-1-09 to 22-01-09

2	Ison V. Vanchipurackal	Refresher course in “Environmental Sciences at UGC-Academic Staff College, University of Kerala, Trivandrum.	24/02/09 to 17/03/09
3	Vincent Mathew	Refresher Course in “Physics” Academic Staff College, Pune University, Pune.	24/02/09 to 18/03/09
4.	Dennis Thomas	Department of Biotechnology, Cochin University	02/03/09 to 24/03/09
5.	Raju Mathew T.	IUCCA, Pune	11/05/09 to 12/06/09
6.	Ison V. Vanchipurackal	Science Academies Refresher Course in “Experimental Physics” at University of Calicut.	23/11/09 to 08/12/09
7.	William Zacharias	M.G. University, Kottayam	11/01/10 to 05/02/10
8.	Jose Mathew	M.G. University, Kottayam	11/01/10 to 05/02/10
9.	Simon Augustine	Science Academies Refresher Course in “Condensed Matter Physics and Statistical Mechanics” at St Thomas College Pala.	28/02/11 to 13/03/11
10.	Joben K. Antony	UGC- Academic Staff College, JNU, Delhi	22/07/11 to 22/08/11
11.	Thomas Scaria	ASC, Trivandrum	11/10/11 to 08/11/11
12.	George Joseph	JNU, Delhi	29/03/12 to 02/05/12
13.	Sijo K. Manuel	JNU, Delhi	29/03/12 to 02/05/12
14.	Bobby Simon	ASC, HP Shimla	28/05/12 to 16/06/12
15.	Tejil Thomas	ASC, Calicut	16/06/12 to 06/07/12
16.	P.D. George	NCC Refresher, Visakhapattanam	25/06/12 to 13/07/12
17.	Fr. Mathew Kurian	ASC, Trivandrum	16/07/12 to 06/08/12
18.	Biju K.C.	ASC, Trivandrum	01/10/12 to 22/10/12
19.	Johns Augustine	ASC, Trivandrum	01/10/12 to 22/10/12
20.	Dennis Thomas	UGC-Academic Staff College University of Kerala, Trivandrum	01/10/12 to 22/10/12
21.	Libin Kuriakose	UGC-Academic Staff College Kannur University, Kannur	03/04/13 to 23/04/13
22.	Sojan Pullattu	ASC, Trivandrum	23/08/13 to 12/09/13
23.	Soumya Jose	ASC, Trivandrum	23/08/13 to 12/09/13
24.	Fr. James John	ASC, Trivandrum	15/01/14 to 06/02/14
25.	Ashish Joseph	ASC, Trivandrum	11/03/14 to 31/03/14
26.	Thomas Scaria	Academic Staff College TVM	2/11/2012to24/11/12
27.	Prince Mon Jose	Academic Staff College TVM	2/11/2012to24/11/12
28.	Fr. Mathew Kurian	ASC, Trivandrum	30/10/13 to19/11/13
29.	Ison V. Vanchipurackal	Science Academies Refresher Course in “Condensed Matter Physics and Statistical Mechanics” at St Thomas College Pala.	28/02/11 to 13/03/11

30	Libin Kuriakose	Science Academies Refresher Course in “Condensed Matter Physics and Statistical Mechanics” at St Thomas College Pala.	28/02/11 to 13/03/11
31	Ginson P. Joseph	Science Academies Refresher Course in “Experimental Physics” at Indian Academy of Sciences Bangalore.	16/8/12 to 31/8/2012
32	Ison V. Vanchipurackal	Science Academies Refresher Course in “Materials Preparation and Measurement of Properties” at Indian Academy of Sciences Bangalore.	06/05/14 to 21/05/14

b) Faculty Training Programmes organized by the Institution

1. Science Academies Refresher Course in Condensed Matter and Statistical Physics from 28 February to 13 March 2011.

Teaching learning methods/approaches

1. ‘FEEL’ (Faculty Excellence in Effective Leadership), a Teacher Training Programme by Dr. Sunny Tharappen and Team, College for Leadership and Human Resource Development (CLHRD), Mangalore on 6 June 2012.
2. ‘Moulders of Tomorrow’, a programme for newly recruited teachers of the college was organized on 4-5 August 2012.

Handling new curriculum

1. Workshop on Higher Education on 1 August 2009 sponsored by KSHEC.
2. Workshop on Methodology of Sciences on 18-19 November 2010 sponsored by KSHEC.
3. Workshop on Perspectives and Methodology of Business Studies on 17-18 December 2010 organized by Dept. of Commerce and sponsored by KSHEC.
4. Workshop on Methodology of Social Sciences on 20-21 December 2010 sponsored by KSHEC.
5. Workshop on Methodology of Languages during 22-13 December 2010 sponsored by KSHEC.

Selection, development and use of enrichment materials

1. Workshop for Physics teachers and research scholars on 12 -13 December 2011 sponsored by UGC Inter University Acceleratort Centre (IUAC).
2. FCBS Lecture Series in Chemistry under the auspices of the Foundation for Capacity Building in Science (FCBS) on 21 January 2011.

Assessment

1. NAAC sponsored National Seminar on Quality Evaluation in Higher Education – The New Approach on 1-2 March 2010.
2. NAAC sponsored National Seminar on Quality Enhancement in Teaching, Learning and Evaluation- Recent Trends and Challenges during 19-20 September 2011.

Cross cutting issues

1. Orientation Programme on Restructuring of Under-graduate Education on 2 October 2009 sponsored by KSHEC.

Audio Visual Aids/multimedia

1. National Workshop on Maintenance of Electronic Laboratory Instruments in collaboration with UGC-WRIC Mumbai during 21-25 June 2010.

OER's				
1. Three day Training Programme on General Informatics during 25-27 November 2010.				
Teaching learning material development, selection and use				
1. Science Academies' Refresher Course on Quantum Mechanics, Molecular-Resonance Spectroscopy and Hands-on Experience in Spectroscopy during 1-3 March 2012.				
2. Workshop on Synthetic Reagents in Organic Chemistry on 17 January 2013 in collaboration with Institute for Intensive Research in Basic Sciences (IIRBS), M. G. University.				
c) Percentage of Faculty (during 2009-14)				
i	Invited as resource persons in Workshops/ Seminars/ Conferences organized by external professional agencies			17
ii	Participated in external Workshops/ Seminars/ Conferences recognized by national/ international professional bodies			42
iii	Presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies			25
DETAILS OF FACULTY PARTICIPATION IN WORKSHOPS/ SEMINARS/ CONFERENCES (During 2009-14)				
Sl. No.	Department	No. of Faculty Participation as		
		Resource Person	Paper Presenter	Participant
1.	Mathematics	2	--	26
2.	Statistics	39	--	--
3.	Physics	9	6	39
4.	Chemistry	16	1	4
5.	Botany	27	28	8
6.	Zoology	--	--	10
7.	English	13	--	7
8.	Malayalam & Sanskrit	--	11	9
9.	Hindi	--	2	2
10.	Economics	4	6	7
11.	History	--	3	14
12.	Politics	5	12	49
13.	Commerce	4	9	35
14.	Physical education	--	2	7
15.	Biotechnology	--	2	28
16.	Biostatistics	1	2	6
	Total	120	84	251
2.4.4. What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications, teaching experience in other national institutions and specialized programmes, industrial engagement etc.)				
- Teachers are encouraged to apply for sponsored research projects. Those who secure sponsored minor/major projects are given all infrastructural facilities including lab and library as well as administrative support to complete their projects in time. (Refer 3.2.7) - Teachers are permitted to take eligible leave for timely completion of their projects. There is				

provision to grant study leave for research and visit to national laboratories and institutes.

- Study leave is granted for Ph.D./M.Phil. under TFS of UGC. Faculty members are encouraged to visit foreign universities under exchange programmes.
- The college is publishing two bi-annual research journals, STARS: International Journal (Sciences) with ISSN number 0973-7804 and STARS: International Journal (Humanities and Social Sciences) with ISSN number 0973-7812. (Refer 3.4.2)
- Teachers of this college have published a good number of papers of high standards in refereed national/international journals (refer 3.4.3). Teachers are encouraged to undertake research activities leading to international publications.
- Our teachers are encouraged to participate in refresher courses/orientation programmes, workshops, etc. organized by other universities.
- Our Research Faculty are encouraged to avail Summer Research Fellowships in order to recharge their potential.

FACULTY PARTICIPATION IN ADVANCED RECHARGE PROGRAMMES

Sl. No.	Faculty	Programme	Institute	Period
1	Dr Ison V Vanchipurackal	Summer Research Fellowship of Indian Academy of Sciences, Bangalore.	IISER Trivandrum	1-4-2011 to 31-5-2011
2	Dr Ison V Vanchipurackal	Summer Research Fellowship of Indian Academy of Sciences, Bangalore.	IISER Trivandrum	31-3-2012 to 18-4-2012 & 29-4-2012 to 31-5-2012
3	Dr Ison V Vanchipurackal	Hands on Training on Photovoltaics	IISc Bangalore	19-4-2012 to 28-4-2012.
4	Dr Sunil C Mathew	Instructional School for Lecturers in Topology	Centre of Excellence in Mathematics, Kumaon University, Almora	30-9-2013 to 12-10-2013
5	Dr Sunil C Mathew	Mathematics Talent Search & Nurture Programme	University of Calicut and funded by NBHM	12-05-08 to 31-05-08
6	Dr Sunil C Mathew	Mathematics Talent Search & Nurture Programme	University of Calicut and funded by NBHM	04-05-09 to 15-05-09
7	Dr Sunil C Mathew	Mathematics Talent Search & Nurture Programme	University of Calicut and funded by NBHM	03-05-10 to 22-05-10

2.4.5. Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to

such performance/achievement of the faculty.		
Sl. No.	Faculty	Description of the award/ recognition
1	Dr. K.K. Jose Dept. of Statistics	Sam Higgin Bottom Award of AIACHE for the Best College Principal in India during 2012-13.
2	Prof. Thankachan Augustine Dept. of Mathematics	Selected as the best NSS Program officer by M.G. University during 2010-11.
3	Dr. V.V.Georgekutty Vattoth, Dept. of Hindi	Selected for the St. Berchman's award for the Best College Teacher in Kerala in 2011
4	Dr. Stany Thomas Dept. of Politics	Selected for the Nehru-Fullbright Exchange Program in which he spent 6 months in universities in USA during 2011-12.
5	Dr. Dennis Thomas Dept. of Botany	Selected for INSA Exchange programs in 2009-10 and 2012-13 in which he had collaborative research works in Japan and Poland.
6	Dr. Vincent Mathew Dept. of Physics	Selected for INSA Exchange program in 2007-08 and 2010-11 in Norway and Spain.
7	Dr. Babu Sebastian Dept. of Malayalam	Appointed as Director of the State Institute for Educational Technology on deputation since 2009.
8	Dr. Vincent Mathew Dept. of Physics	Appointed as Dean of Physical Sciences at the Central University of Kerala in 2011.
9	Dr. V.V.Georgekutty Dept. of Commerce	Appointed as Controller of Examinations at University of Calicut in December 2013.
10	Dr. Jomy Augustine Dept. of Botany	Director of the Telefilm <i>Floral Wealth of Kerala</i> selected to represent India in World Panorama under Education Films in 2012.
11	Dr. Jose K. Xavier Department of Chemistry	Nominated as member of the American Chemical Society (ACS) in 2010.
12	Prof. Thomas V. Mathew Department of Chemistry	Nominated as member of the American Chemical Society (ACS) in 2010.
13	Dr. Alex Thannippara Dept. of Statistics	Nominated to the Syndicate and Senate of Mahatma Gandhi University, Kottayam by H.E. the Governor of Kerala in 2011.
14	Dr. Sunny Mathew Dept. of Physics	Elected to the Senate of Mahatma Gandhi University in 2011.
15	Prof. Jogy Alex Dept. of Chemistry	Elected to the Senate of Mahatma Gandhi University in 2011.
16	Dr. Sunny Kuriakose Dept. of chemistry	Nominated as a member of the American Chemical Society, the world's most prestigious organization of chemical science researchers and scientists in 2009.
17	Dr. B. Prakash Kumar Dept. of Biochemistry	Appointed as Reader in Biochemistry, School of Biosciences, Mahatma Gandhi University, Kottayam in 2009.
18	Dr. V.V. Georgekutty Vattoth Dept. of Hindi	Conferred the prestigious D. Litt. Degree by Dakshin Bharath Hindi Prachar Sabha in 2009.

19	Dr. K. K. Jose Dept. of Statistics	Selected for the prestigious Air India-Malayala Manorama BOLT Award 2009 for the Best Teacher.
20	Dr. Jomy Augustine Dept. of Botany	Bagged the International Award for the best paper (oral) presentation in the International Seminar on Multidisciplinary Approaches in Angiosperm Systematic at Kalyani University on 11 October 2008.
21	Dr. K. K. Jose Dept. of Statistics	Nominated by Govt. of Kerala in 2012-13 as a member of the Technical Advisory Committee for Kerala State Strategic Statistical Plan as well as a member of the Research Council for Science and Engineering of KSCSTE for evaluation and monitoring of research projects.
22	Dr. Sebastian George Dept. of Statistics	Selected as State Resource Person in Statistics and also the Best NCC Officer in the Kottayam Battalion in 2009.
23	Dr. Jos T. Puthur Dept. of Botany	Awarded TWAS Research Grant under the category; award for high-level and promising scientific research projects carried out by individual scientists in developing countries in 2009.
24	Dr. K.K. Jose Dept. of Statistics	Dr. P V Sukhatme National Award of ISMS 2012 for his contributions in Statistics and Bio-Statistics
25	Dr G D Gem Mathew	Best Chemistry Teacher Award by the Association of Chemistry Teachers (ACT), Mumbai, Institute of Chemical Technology of the University of Mumbai and National Chemical Laboratory (CSIR), Pune in 2011.
26	Dr K K Jose	Fellow of Royal Statistical Society, UK in 2011.
2.4.6. Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?		
◆ The college has a well-developed system of evaluating the performance of teachers by students. IQAC collects feedback from students in a standardized form as per NAAC guidelines and monitors it by giving grade sheet to each teacher. The Principal also collects feedback from students at the time of issuing TC and Mark list. ◆ The college conducts external/internal academic audits every year. Reports of the audit are given to every department for discussion and improvement. ◆ The summarized grade sheet of the feedback system and the audit reports could be utilized by each teacher for improving the quality of teaching-learning process. ◆ The Manager and the Principal personally express their appreciation to teachers having excellent performance. They also point out areas for improvement to teachers with low grades.		

2.5. Evaluation Process and Reforms

2.5.1. How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- The system of internal evaluation based on performance indicators such as attendance, marks of internal examinations, seminars, assignments, projects, etc. is published in the college calendar, prospectus, etc and copies of the same are made available to students.
- The internal evaluation process is well explained and presented by the Principal during the induction meeting.
- Orientation programmes on CBCSS of the university and the new grading system are conducted for students and junior teachers.
- Internal marks are published in the college notice board.
- The institutional evaluation process is published in the college website also.
- The process of evaluation is explained to parents during PTA meetings.
- A separate section for examination is functioning in the college office and all information about internal as well as external examinations can be had from this section.
- Time-table, rules and guidelines for examinations are published in the notice board of the examination office.
- Each teacher explains the grading and evaluation system in the class and model question papers are distributed.

2.5.2. What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

- All the evaluation reforms of the University are adopted by the institution. The new CBCSS grading system developed by the university has been fully adopted by the college both at UG and PG levels.
- Recently, the new system of seven-point grading with marks suggested by the university is also adopted by the college.
- At the college level two internal examinations are conducted every semester. Additional internal examinations are conducted for selected courses.
- Assignments, seminars, project works, etc are regularly given to students and their performance is evaluated. These are made part of internal assessment.
- 'Meet the Parents Programme' is conducted every semester to discuss progress of students.
- Besides, instant quizzes, objective type tests, etc. are also conducted.

2.5.3. How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- The Principal acts as the Chief Superintendent of University examinations.
- A senior teacher is appointed as the Controller of Examinations at the college level.
- The Chief Superintendent and Controller of Examinations ensure effective implementation of evaluation reforms.
- A senior teacher is appointed as the coordinator for internal evaluation and grading. He is monitoring the award of internal grades to students as well as the transmission of results to university in time.

- In every department there is a coordinator for monitoring the internal evaluation process. The grades sheets are verified and countersigned by HODs.
- Internal evaluation grades/marks of all students are published in the notice board of the concerned department for verification by students before submitting the grades to university.
- Grievances, if any, will be redressed by the Grievance Redress Cells at the department level/college level/university level.

2.5.4. Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

Formative evaluation

Two internal examinations, seminars and assignments provide continuous and consistent evaluation of student progress. Each teacher also makes use of other measures like questioning, brain storming, quizzing, discussing and debating on the topics to be covered. Students are encouraged to use ICT tools for the presentations of their seminar papers. Attendance of the students also forms a component of this formative evaluation. There are also other methods like students evaluating the papers of their peers or their own paper in the presence of the teacher-facilitator and these have turned out to be very effective.

Summative evaluation

There is an end-semester external examination conducted by the University in every programme of study. The time schedule is fixed by the University and the valuation is also done at the University level. Formative evaluation is given 20% weightage for UG and 25% for PG in the summative evaluation.

- Proficiency prizes are given by PTA to top scorers in each class. Besides, special awards are given for excellent performance in value/moral education examination.
- Various scholarships of the Central/State Govt, University etc. are given to meritorious students.
- Every year a Merit-Day is organized to congratulate those who excelled in various assessments.
- Alumni Association awards are given on merit-cum-means basis.
- Awards for Best Sportsmen, Best NCC Cadets, Best NSS volunteer, Best Manager, etc. are given every year.

These awards and evaluative approaches have significantly influenced the students to improve their all-round performance and social commitment.

2.5.5. Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioural aspects, independent learning, communication skills etc.)

- The weightage for internal assessment is based on University regulations. Consolidated weightage based on two internal examinations, attendance, seminar and assignment is given for theory papers. For practical examination weightage is given as per the University norms. Assignments and seminars provide scope for assessing independent learning and communication skills.
- Accuracy and Punctuality earn due credit in the formative evaluation components like, attendance, assignments, seminars, practical records etc.

- Independent learning skill of students is measured on the basis of assignments and seminars given to them. Grades are given on the basis of different parameters viz. content, creativity, references, presentation, structure and application.
- Communication skills of students are evaluated on the basis of the presentation of seminars, way of answering questions, viva-voce and interactive sessions.
- Internal exams are conducted twice every semester.
- Internal evaluation grade sheets are published in the departmental notice boards and kept in the department for further reference.
- There is a three tier grievance redress mechanism at Dept/College/University levels ensuring rigour and transparency in internal assessment.
- Slow-learners are identified and special assignments are given to such students.
- Re-examinations are conducted for absentees in internal examinations by the teachers concerned.
- After every internal examination, 'Meet the Parents' programme is conducted and the results are communicated to parents and students.
- Students' progression report is prepared by every department and submitted to the internal audit team. The suggestions of the audit are implemented at the Dept. level.

2.5.6. What are the graduate attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

The Graduate attributes of the college are:-

1) Academic excellence	2) Development of skills	3) Character formation
4) Social Responsibility	5) Self-reliance and competence	6) Originality & Innovation
7) Morality & Ethics	8) Environmental Consciousness	9) Honesty & Punctuality
10) Faith & Quest for Truth		

These attributes are achieved through team-work and innovative methodologies employing opportunities both inside and outside the classrooms. The college coat of arms symbolically suggests the intellectual and moral task of the college assigns to itself. The motto on the crest "Vita (Life), Lux (Light), Amor (Love)" shows how light and love which stand for knowledge and fellow-feeling respectively can enrich a person's life.

The college frames all its activities with a view to inculcate the above attributes in the student community. However the following need special mention:

1. Value and Moral Education Programme
2. Skill Development and Career Orientation Programmes
3. Keeping the Campus Clean and Green
4. Encouraging Co-Curricular and Extra Curricular Activities
5. Promotion of Sports & Games, NSS and NCC
6. Maintenance of Campus Discipline and Attendance
7. Active Participation in Clubs and Forums
8. Invited talks, Seminars, Conferences, Workshops etc.
9. Personality Development and Women Empowerment Programmes
10. Extension and Consultancy Programmes

2.5.7. What are the mechanisms for redress of grievances with reference to evaluation both at the college and University level?

The college and university have effective mechanisms for the redress of grievances with

reference to evaluation. The students can approach the teachers at any time and clarify their doubts regarding the evaluation. The results will be published on the notice board. Students are given adequate time to report complaints, if any. There is a three-tier system of grievance redress concerning internal evaluation. Normally such grievances will be redressed at the department level or at the college level. Exceptional cases will be reported to the University for taking appropriate action.

2.6. Student Performance and Learning Outcomes

2.6.1. Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

The college has a set of clearly stated learning outcomes. We try to inculcate the students with faith in God, love for their fellow-men and devotion to the Mother Land by imparting moral, religious, intellectual and physical discipline. We also try to empower the students with knowledge and awareness of current developments in their chosen subjects. We strive to equip the students with skills necessary to succeed at the very highest level in a competitive world. We assist the students in developing a sense of personal worth, social consciousness, emotional maturity, loyal citizenship, respect for labour and proactive leadership. We encourage scholarship and research, especially on topics that are locally relevant yet globally acceptable. This is achieved through teamwork and innovative methodologies employing opportunities both inside and outside the classroom. This is exhibited as the mission of the college and is given in the college calendar. Moreover, this is communicated to the students by the Principal during induction meetings.

2.6.2. Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last five years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

Sl. No.	Programme	Percentage of Pass				
		2008-09	2009-10	2010-11	2011-12	2012-13
UG						
1	B.A. Economics	97.62	85.11	96	96.3	76.19
2	B.A. Politics	100	91.49	88.88	100	86.84
3	B.A. Eng. Lang. & Literature	73.53	75.68	80	100	92
4	B.A. Malayalam	100	100	72.7	100	86.67
5	B.A. History with Archaeology	100	100	71.42	100	50

	& Museology (Vocational)					
6	B.A. Eng. Lit. & Comm. Studies (Self Financing)	100	100	100	100	90.63
7	B.Sc. Mathematics	96.15	66.67	77.78	95.5	90
8	B.Sc. Physics	80.65	100	67.86	100	94.28
9	B. Sc. Chemistry	68.75	65.22	45.45	89	83.87
10	B. Sc. Botany	100	83.33	88.24	85.7	92.85
11	B.Sc. Zoology	71.43	57.14	66.67	83.3	50
12	B.Com.	88.68	75.93	92.59	100	93.10

PG

1	M. A. Economics	93.75	80	90.91	100	86.36
2	M. A. Politics	71.42	46.7	83.33	77.3	45
3	M.A. English	86.36	83.33	88.46	100	95.83
4	M.A. Hindi	80	75	92.31	84	57.89
5	M. A. Malayalam	73.33	86.66	92.31	100	83.33
6	M.Sc. Mathematics	53.33	55.55	100	100	81.25
7	M. Sc. Statistics	100	100	100	100	92.85
8	M. Sc. Physics	31.25	100	87.5	88.5	87.5
9	M. Sc. Chemistry	72.22	81.25	81.25	95	57.89
10	M. Sc. Botany	100	100	91.67	100	83.33
11	M.Sc. Bio-Statistics	87	100	100	100	100
12	M. Sc. Bio- Technology	75	54.54	63.16	100	40
13	M .Sc. Appl. Microbiology	91.66	91.66	95.24	92	100
14	M.Com.	75	93.75	100	86.66	94.44

2.6.3. How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

- The students are given classes based on the curriculum prescribed by the University.
- The entire teaching learning process is meticulously structured and distributed.
- Well-planned timetable is given at the commencement of every academic year.
- The HOD distributes work to each faculty member and ensures that the entire syllabus is covered in time.
- The action plan of the department includes not only the activities, but also the portions to be covered before each internal examination, revision, dates for the submission of assignments, seminars, submission of internal grades and so forth.
- Internal examinations are conducted as per the schedule given in College Calendar and Handbook.
- The various components of the formative and summative assessments help in achieving

the intended learning outcomes.

- In addition to imparting knowledge based on the syllabus workshops, seminars etc. are also conducted to create awareness about current developments in their area of study.
- Students are encouraged to use ICT in their learning and presentations.
- College union and college level clubs and associations conduct several programmes which are intended to create skills in literature, arts, management, leadership, critical thinking, etc.
- Gifted students are directed to attend advanced level programmes conducted by well-known institutes of national and international repute (Refer 2.3.6).
- Various extracurricular activities are held at the college to benefit the students.
- NCC is functioning in the college to provide military training to the students, and to inculcate in their minds the twin ideals of duty and discipline.
- Through training camps the NCC provides opportunities for developing ones' physical and intellectual potential.
- The National Service Scheme (NSS) unit of our college is involved in promoting social skill and awareness among the student community. NSS also organizes work camps intended to propagate dignity of labour and social commitment.
- Members of Blood Donors Forum donate blood for more than 150 patients every year.
- The Faculty of Religion and Moral Studies is a voluntary association of teachers to conduct moral classes and value education. The Faculty organizes seminars, orientation programmes, HRD programmes etc. with the objective of moulding intellectually mature, morally upright, emotionally stable, spiritually inspired and socially committed student community.

2.6.4. What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

- Value added/ Career Oriented Programmes promoting employability and social skills are offered by the college.
- ED Club promotes entrepreneurship and academy-industry interaction.
- Moral and spiritual guidance classes are given to students.
- Students are provided with ample opportunities to interact with eminent social workers and economists. Various seminars and workshops have been organized by the college to achieve this objective.
- There is a Career Guidance and Placement Cell functioning in the college which provides career information to students, imparts training, conducts campus placement drives, etc.
- Both at the UG and PG levels, students carry out project works which are evaluated by external examiners.
- All the students are given training in preparing assignments, projects and presenting seminars with a view to promote their research aptitude.
- Students are provided opportunity to interact with research scholars/experts in various departments in order to be aware of the frontiers of research.
- Students of Economics, Politics, Commerce, Statistics, Bio-Statistics departments conduct socio-economic-health surveys in collaboration with local bodies and NGOs.

2.6.5. How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

- Feedback from all stakeholders play a crucial role in improving student performance and learning outcomes. The data collected are analysed by IQAC and salient features are informed to the stakeholders concerned.
- The examination results are analysed at department level as well as by the College Council and IQAC and steps for improvement are initiated.
- Assignments, projects and seminars have become an integral part of the learning process and help in overcoming the barriers.
- Campus politics is found to be a major barrier of learning. The college has taken initiative to control campus politics and religious fundamentalism.
- Election to the college union is held according to the parliamentary system in a peaceful atmosphere without any external political interference.
- The presentation and communication system has been considerably improved with the support of ICT methods.
- Students are encouraged to apply for Govt. scholarships and other schemes of financial assistance.
- The PTA of the college, as well as various departments, has instituted a good number of scholarships for students.
- In addition to this poor students are given free meals, text books, etc. from the Poor Students Aid Fund of the college.
- Suggestions and feedback from Alumni and Recruiters are also taken into account for improving learning outcomes and student performance.

2.6.6. How does the institution monitor and ensure the achievement of learning outcomes?

- Based on the assessment/ evaluation outcomes some bench marks are stipulated by the IQAC and conveyed to teachers and students.
- Attendance of students in all academic programmes of the college is closely monitored.
- Internal evaluation process is made systematic and error free.
- Assignments and seminars by students ensure indepth learning.
- Internal examinations are conducted as per the university guidelines.
- Extra-classes and test papers are also conducted.
- Remedial coaching was introduced to enhance the percentage of pass among SC/ST/OEC

students who are socially marginalized and under privileged.

- Effective tutorial system also ensures achievement of learning outcomes.
- Module/Unit-wise test papers, Open book exams and Peer/Self-evaluation are introduced.
- PTA meetings are regularly conducted and progress of students is reported to parents.
- Scholarships and endowments are instituted to encourage meritorious students.
- Participation of staff and students in value/moral classes and community services are ensured.
- Coaching for UGC/CSIR/GATE Test helps the students a lot in their pursuit towards a career in teaching and research.

2.6.7. Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes.

- Special coaching for UGC/CSIR/GATE Test is given to high performers to attract them to teaching and research careers in order to ensure that the top ones mould the next generation.
- As a result of evaluation outcomes, teachers individually enhance their personal attention to students so that a good inter-personal relationship is maintained which produces a positive impact in their studies.
- Counselling service for weak performers is provided based on the recommendation of the mentors.
- Punctuality, performance and communication skills are taken into account for selecting class representatives and office bearers of Departmental Associations.
- Those who excel in seminar sessions are given opportunity to act as comperes and Master of Ceremonies in various programmes organized at the departmental as well as college levels.
- Top scorers in college level competitions are deputed to represent the college at the university/state /national levels.
- Remedial programmes are arranged for weak students on the basis of their performance in internal evaluation/assessment.

2.6.8. Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

- The Continuous Assessment and Rigorous Evaluation (CARE) prevailing in the Dept. of English ensures successful implementation of the teaching-learning evaluation process with the help of student caretakers.
- During 2005 – 2010, the department of Physics conducted an add-on course on “LaTeX Type Training” for the U G and P G students.
- From 2013 onwards they are conducting the add-on course, “Computational Training using MATLAB” for the U G and P G Students.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1. Promotion of Research

3.1.1. Does the institution have recognized research centre/s of the affiliating University or any other agency/organization?

The College has been recognized as an outstanding institution promoting research in fundamental as well as applied areas of knowledge. In the college there are 10 research centres approved by the Mahatma Gandhi University, Kottayam. These include departments of Hindi, English, Malayalam, Mathematics, Statistics, Botany, Chemistry, Physics, Politics and Commerce. Besides, some faculty members in History, Zoology and Sanskrit are approved research guides. There are 207 research scholars pursuing research under the guidance of 77 research supervisors in the college.

3.1.2. Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

A Research Monitoring Cell is constituted with a view to promoting and monitoring research activities in the college. The committee, chaired by the Principal, consists of an external expert, a representative of the management, IQAC Coordinator and five active research guides from different disciplines. At present the following are the members.

1. Rev. Fr. N V Joseph, Principal
2. Dr Vincent Mathew, Central University, Kerala.
3. Dr. K. K. Jose, Research Guide in Statistics
4. Dr. James John, Dept of History (Management Representative)
5. Dr Sunny Kuriakose, Secretary & Research Guide in Chemistry
6. Dr Sunil C Mathew, IQAC Coordinator & Research Guide in Mathematics
7. Dr Dennis Thomas, Research Guide in Botany
8. Dr Siby James, Research Guide in English
9. Dr V V Georgekutty, Research Guide in Hindi

Some Recommendations made by the Research Committee

1. Every department should run at least one minor/ major research project.
2. Each department should arrange at least 3 invited talks by eminent researchers every year.
3. There should be a central computing facility in the college.
4. Each research guide should take care to publish their works in reputed international/ national refereed journals.
5. Research Scholars are advised to attend and present papers in international/ national seminars / conferences.
6. New books and journals on the emerging areas of research are to be made available in the library.
7. A research block with all modern facilities must be built during XII plan period.

All the above recommendations were positively taken by the Research Guides, Scholars and Management.

As an impact of these, many faculty members came forward to undertake Major/ Minor Research Projects. Also, a significant hike in quality and quantity of published research papers has been noticed. Moreover, grants from agencies like UGC, DST, CSIR, KSCSTE etc. increased very much, resulting in the modernization of laboratories and class rooms. Above all, the college became a DST-FIST sponsored College with Potential for Excellence.

3.1.3. What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

- Autonomy is accorded to the Principal Investigator as per rules.
- Fund is transferred to the account of the Principal Investigator as and when released by the funding agency based on the request of the Principal Investigator subject to the condition that audited statement of accounts and utilization certificates are to be produced.
- All facilities including infrastructure and human resources of the college are extended to the Principal Investigator.
- The research guides are given a relaxation of two hours of duty per week as per Govt. regulations. Investigators are given permissible duty leaves and special recognition also.
- The college supports investigators in their technology and information needs by making available good library with modern facilities including NLIST online library and free access to internet, etc. The college subscribes to more than 200 national/international journals.
- The college provides every support in timely auditing and submission of utilization certificate to the funding authorities. All projects are up-to-date in this respect.
- The college encourages teachers to apply for major and minor research projects of UGC, DST, CSIR and other funding agencies.

3.1.4. What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

1. The college offers various scholarships for promoting research and conducts project presentation competitions for students under the auspices of the Research And Consultancy Service (RACS) Cell and Dr. P. J. Thomas Foundation.
2. A large number of seminars/conferences, workshops and invited lectures are organized by each department with the active involvement of the students, where they interact with national and international experts and there they are exposed to current research trends and challenges (Details given in item 3.1.6).
3. Each research scholar in the college has to present his work before a meeting of teachers and students in the college, prior to the submission of his or her Research Thesis to the University. This tradition is helping us to induce confidence in many of our students to enter into active research.
4. Various departments, particularly, Statistics and Economics departments by ensuring the participation of students, conduct socio-economic surveys and projects in collaboration with local bodies and NGOs and the reports are published.
5. Eminent scientists and social researchers such as Dr. A.P.J. Abdul Kalam, Dr. C.N.R. Rao, Dr. Rajan Gurukul, Dr. V. N. Rajasekhara Pillai, Dr. Prabhat Patnaik, etc. visited the campus and interacted with the students.

6. In addition to our own students, we are extending our facilities to students from other colleges also. We also conducted research experience camps, exhibitions, etc. in collaboration with national science academies and other Govt. agencies.
7. The college publishes two international journals namely; STARS: Int. Journal (Sciences), and STARS: Int. Journal (Humanities) with ISSN numbers. The department of Hindi publishes a national journal called “Shodh Kshitij”. Copies of all journals are distributed to all PG students at a discounted rate.
8. The college subscribes a good number of national/international research journals and online journals. The publications by faculty and research scholars as well as Ph.D. theses are exhibited in the college library.
9. Individual and group projects are given to students and research facilities in the college are extended to them. Project work of each student is guided and supervised personally by teachers.
10. The college provides intensive coaching for UGC-CSIR JRF/NET examinations and 177 students have qualified the examination during the last 5 years.

Research And Consultancy Service (RACS) Cell

Every year RACS cell of St. Thomas College Pala organizes the National Science Day celebrations on 28th February with the financial support from KSCSTE, Govt. of Kerala. To inculcate scientific temper and for promoting research aptitude among students eminent scientists are invited to the college and students are given opportunity to interact with them. During the last six years the following scientists delivered the Science Day Lectures.

- 2009 - Dr K George Thomas (Recipient of Shanti Swarup Bhatnagar award in Chemical Science), Scientist NIIST Thiruvananthapuram.
- 2010 - Prof. (Dr.) A Vijayakumar, Department of Mathematics, Cochin University of Science and Technology, Kochi.
- 2011- Prof. (Dr.) Sabu Thomas, Dean Faculty of Technology and Applied Sciences, Director, School of Chemical Science, M G University, Kottayam.
- 2012 - Prof. V. N. Rajasekharan Pillai. The Executive Vice President of KSCSTE and Principal Secretary of Department Science and Technology, Govt. of Kerala.
- 2013 - Prof. G M Nair, Dean and Director, School of Bio Sciences, Central University of Kerala, Kasargod.
- 2014 - Prof. (Dr) Jacob Philip, Director, STIC, Cochin University of Science and Technology, Kochi.

Swadeshi Science Celebrations

The RACS Cell of the college in collaboration with the Swadeshi Science Movement (SSM) of Kerala organised Swadeshi Science Celebrations on 17 March 2010, the highlight of which were the following two invited lectures:

- “Indian Science Heritage” by Prof. (Dr.) VPN. Nampoori, Dean, Faculty of Science and Director, International School of Photonics, CUSAT.
- “Remote Sensing and its Applications” by Dr. S. Salinkumar, Senior Scientist, Geological Survey of India.

3.1.5. Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.)

Sl. No.	Faculty	Department	No. of Ph.Ds Awarded During 2008-14	No. of Ph. D students presently under the faculty	Research Projects Undertaken during 2008 - 2014
Present Faculty (on 2008-09 or after)					
1	Dr. Siby James	English	--	8	1 Major -UGC
2	Dr. Joy Jacob	English	--	1	1 Minor-UGC
3	Dr. T. J. Abraham	English	--	9	3 Minor-UGC
4	Prof. William Zacharias	English	--	--	1 Minor-UGC
5	Dr. Babu Sebastian	Malayalam	1	1	--
6	Dr. Davis Xavier	Malayalam	--	2	1 Minor- UGC
7	Dr. Sabu De Mathew	Malayalam	--	1	1 Minor-UGC
8	Dr. Thomas Scaria	Malayalam	--	--	1 Minor– UGC
9	Prof. Sojan Pullattu	Malayalam	--	--	1 Minor– UGC
10	Dr. C.T Francis	Malayalam	--	3	--
11	Prof. Soumya Jose	Malayalam	--	--	1 Minor– UGC
12	Prof. Princemon Jose	Malayalam	--	--	1 Minor– UGC
13	Dr. K M Mathew	Hindi	5	7	--
14	Dr. V V Georgekutty	Hindi	3	5	1 Minor– UGC
15	Dr. Mathew Thomas	Hindi	1	5	--
16	Dr. C K James	Hindi	3	3	1 Minor– UGC
17	Dr. Raj Mathew	Mathematics	--	--	1 Minor– UGC
18	Dr. Sunil C Mathew	Mathematics	2	2	2 Minor-UGC 1 Minor-DST
19	Dr K K Jose	Statistics	11	7	1 Major-UGC 2 Minor-UGC
20	Dr. Joy Jacob	Statistics	--	--	1 Minor– UGC
21	Dr. Alex Thannippara	Statistics	2	1	--
22	Dr. K M Kurian	Statistics	--	--	1 Minor– UGC
23	Dr. Sebastian George	Statistics	3	4	1 Minor - UGC
24	Dr. Seemon Thomas	Statistics	--	1	--
25	Dr. Michael Augustine	Physics	--	--	1Minor – UGC
26	Prof. Raju Mathew T	Physics	--	--	1Minor – UGC
27	Dr. Simon Augustine	Physics	--	1	1Minor – UGC
28	Dr. Sunny Mathew	Physics	--	2	2Minor – UGC
29	Dr. Ison V Vanchipurackal	Physics	--	5	2Major – DST, DIT

					2 Minor - UGC
30	Dr. Vincent Mathew	Physics	2	4	3 Major- UGC
31	Dr. Ginson P. Joseph	Physics	--	6	1 Major – DST 1 Minor- UGC
32	Dr. Sunny Kuriakose	Chemistry	5	6	1 Major-UGC 2 Major- DST 2 Minor- UGC
33	Dr. Jose K Xavier	Chemistry	--	1	1 Minor-UGC
34	Dr. G D Gem Mathew	Chemistry	1	1	1 Minor-UGC
35	Dr. Thomas V Mathew	Chemistry	--	--	1 Minor-UGC
36	Dr. Jomy Augustine	Botany	--	5	1 Major-DST 2 Minor-UGC, Forest Dept.
37	Dr. P O Augusthy	Botany	--	4	--
38	Dr. Dennis Thomas	Botany	1	3	1 Major-UGC
39	Dr. Johns Augustine	Botany	--	--	1 Minor-UGC
40	Prof. Bince Mani	Botany	--	--	1 Minor-UGC
41	Dr. P J Benny	Zoology	2	5	--
42	Dr. Stanny Thomas	Politics	--	9	1 Minor-UGC
43	Dr. N C Jacob	Politics	--	2	--
44	Dr. Shajimon K Mathews	Politics	--	1	--
45	Prof. Sijo K Manuel	Politics	--	--	1 Minor-UGC
46	Dr. V V Georgekutty	Commerce	--	6	1 Minor-UGC
47	Dr. K V Thomas	Commerce	--	3	1 Major-UGC
48	Dr. Sunny Joseph	Commerce	--	--	1 Minor-UGC
49	Dr. M M Abraham	Commerce	--	--	1 Minor-UGC
Former Faculty (as on 2008-09)					
1	Dr. Mathew Joseph	English	3	8	--
2	Dr. Augustine Joseph	English	2	1	--
3	Dr. N K Joseph	Hindi	1		1 Major-UGC
4	Dr. P M Thomas	Hindi	1	1	
5	Dr. Gopalakrishnan Nair	Malayalam	--	5	--
6	Rev. Dr. Baby Sebastian	Malayalam	--	2	--
7	Dr. T P Johnson	Mathematics	1		--
8	Rev. Dr. M M Mathew	Botany	2	1	--
9	Dr. Cyriac Thomas	Politics	1	--	--
10	Dr. V V Varghese	Politics	--	2	--

11	Dr. Tharsis Joseph	Commerce	5	2	1 Minor-UGC
Visiting Faculty					
1	Dr. Sr. Jessy Maria	English	--	1	--
2	Dr. P.J. George	English	--	3	--
3	Dr. H. Sadasivan Pillai	English	--	2	--
4	Dr. George Justine	English	1	--	--
5	Dr. T.T. Thomas	English		1	--
6	Dr. M S Samuel	Mathematics	2	4	--
7	Dr. D S T Ramesh	Mathematics	--	2	--
8	Dr. Sandhya E S	Statistics	--	2	--
9	Dr. Gigimol M G	Chemistry	1	--	--
10	Dr. Stephen Joseph	Botany	--	1	--
11	Dr. Thomas P M	Politics	--	3	--
12	Dr. Raju Abraham	Politics	--	1	--
13	Dr. Mohan Kumar	Politics	--	1	--
14	Dr. Mary P Senterla	Politics	--	1	--
15	Dr. M V Georgekutty	Politics	--	1	--
16	Dr. Stephen Analil	Commerce	--	2	--
17	Dr. Jose Parakkadavil	Malayalam	--	4	--
18	Dr. M M Mathew	Politics	2	4	--
3.1.6. Give details of workshops/ training programmes/sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.					
Sl. No.	Programme	Organizing Department	Dates	Level	Funding Agency
1	Workshop on Postmodern Ethical Criticism	English	28-30 March 2012	National	UGC
2	A two-day workshop for college teachers on Teaching and Research Methodology	English	22-23 December 2010	National	UGC
3	Seminar on Women's Role in Literature	Malayalam	24-26 June 2010	National	UGC
4	Workshop on Fourth Estate- role and relevance in India	Malayalam	15 Feb 2013	National	UGC-CPE
5	Seminar on Cultural Heritage of Pala	Malayalam	17 Sept. 2012	National	Govt. of Kerala

6	Workshop on Humanities-Methodology and Perspectives	Malayalam	24 August 2011	National	KSHEC
7	Workshop on Literary Hysteriography	Malayalam	10 Feb 2012	National	UGC
8	Seminar on NIRMAL VARMA	Hindi	8-10 July 2009	National	UGC
9	Seminar on Dalit Sahitya	Hindi	6-7 /7/12	National	UGC-CPE
10	Workshop on Number theory	Mathematics	12-13 Dec. 2012	National	UGC
11	Workshop on Methodology of Sciences	Mathematics	18-19 Nov. 2010	National	KSHEC
12	Three day Workshop on SAS and SPSS	Statistics	June 28-30, 2008	National	College
13	Social Science Training Camp in Statistical Methods.	Statistics	25-28 October 2008	National	College
14	Workshop on Bayesian Statistics and MCMC methods using Open BUGS and R Software	Statistics	26-30 June 2009	National	UGC
15	Three- Day National Workshop on Applications of Statistics in Industry, Business and Ecology	Statistics	26-28 March 2011	National	Indian Acad. of Sciences
16	Seminar on Applications of Biostatistics and Epidemiology in Health Sciences	Statistics	29-31 October 2009	National	College
17	International Workshop on Bayesian Statistics using Open BUGS and R software	Statistics	8-12 December 2008	International	UGC
18	Two-day National seminar on Statistical Theory and Applications	Statistics	15-16 March 2013	National	DST
19	International Conference on Mathematical Sciences	Statistics	January 3-5 2011.	International	UGC, DST, CSIR
20	International conference on Epidemiology with Special Focus on Spatial Data Analysis and Time Series	Statistics	16-18 August 2012	International	UGC, DST, MOSPI, KSCSTE and ICMR
21	PAC Meeting on Lasers, Optics, atomic and Molecular Physics for Major Scientists in India	Physics	2-3 September 2011	National	DST

22	Group Monitoring Workshop for young scientists	Physics	19 March 2010	National	DST
23	Refresher Course on Condensed Matter Physics and Statistical Mechanics	Physics	28 February-13 March 2011	National	Indian Academy of Sciences
24	International conference on Materials Science and Technology (ICMST-2012)	Physics	10-14 June 2012	International	UGC, DST, DRDO, CSIR, INSA, KSCSTE
25	Acquaintance programme of IUAC New Delhi	Physics	12 Dec. 2011	National	IUAC
26	Workshop on Maintenance of Electronic Laboratory Instruments	Physics	21-25 June 2010	National	WRIC
27	Workshop on Quantum Confined Systems and Nanoscale Devices	Physics	3 October 2009	National	UGC, CSIR, KSCSTE
28	Workshop on Indian Lunar Mission- Chandrayan1	Physics	2 February 2010	National	KSCSTE
29	FCBS - Lecture Series in Chemistry	Chemistry	13 April 2007	National	FCBS, RRL- Trivandrum
30	Lecture Workshop on Current Topics in Chemistry	Chemistry	10-11 April 2008	National	IAS, INSA, CSIR, NASI, KSCSTE
31	CHEMQUEST 2011 - Workshop on Chemistry- Our Life, Our Future	Chemistry	5-8 September 2011	National	CSIR, KSCSTE, SET
32	Lecture Workshop on Quantum Mechanics, Molecular – Resonance Spectroscopy and Hands-on Experience in Spectroscopy	Chemistry	1-3 March 2012	National	IIRBS, IAS, INSA, NASI
33	Synthetic Reagents in Organic Chemistry	Chemistry	17 January 2013	National	IIRBS, UGC-CPE
34	Emerging Trends in Biotechnology and Microbiology	Bio-Chemistry	29-30 March 2012	National	KSCSTE
35	Role of Biochemistry and Biotechnology in Prevention and Management of Lifestyle Disorders.	Bio-Chemistry	14-15 January 2013	National	KSCSTE

36	Awareness program on ISO 22000: 2005 Food Safety Management Systems for any organization in the Food Chain	Bio-Chemistry	27-28 November 2012	National	College
37	Workshop in Traditional Medicine and Medicine preparation - DST	Botany	11-12 October 2008	National	DST
38	Seminar on the Maintenance of Pristine Vegetation in Ecologically Fragile Areas – A Check for Climate Change - CED	Botany	24-26 September 2009	National	College
39	National conference on bioprospecting of plant genetic resources of western Ghats.	Botany	22-23 November 2011	National	UGC
40	Conference on India and US in the 21 st century	Politics	27-28 July 2011	National	US Consulate General, Chennai
41	Workshop on Perspectives and Methodology of Social Sciences	Politics	20-21 December 2010	National	KSHEC
42	Human Rights and Domestic Violence against Women	Politics	18-19 August 2012	National	UGC
43	National Seminar on Direct Taxes Code and Goods and Services Tax- The futures tax regime in India	Commerce	15-16 December 2011	National	UGC
44	Workshop on Perspectives and Methodology of Business Studies	Commerce	17-18 December 2010	National	KSHEC
45	St Thomas Christians and their Jewish Heritage	History	10 April 2013	National	International Nazrani Foundation
46	Science and Religion Dialogue; An Interface between the mastery of Science and the Mystery of Religion	History	8-9 March 2010	National	Indian Institute for Science and Religion, Pune
47	The Portuguese and the Dutch in Maritime Malabar with Special Reference to Cochin.	History	9-12 December 2012	International	IRISH, Tellicherry, College, ICHR, Indo-Portuguese cultural Institute

					Cochin, Vasco da Gama Research Institute Fort Cochin and the Department of Archaeology, Govt. of Kerala.
48	Workshop on PG Curriculum	Economics	12-13 September 2012	University	University
49	Workshop on Project Work and Report Preparation	Economics	10 October 2011	University	Dr P J Thomas Centre
50	Workshop on Financial Sector Reforms	Economics	9 October 2012	State	
51	Workshop on Petroleum Conservation and Pricing	Dr P J Thomas Centre for Research	5-7 Sept 2013	National	Petroleum Conservation and Research Council (PCRC), KSCSTE

3.1.7. Provide details of prioritized research areas and the expertise available with the institution.

Department	Prioritized Research Areas	Experts Available
English	American literature	Dr. Mathew Joseph
	Criticism	Dr. Augustine Joseph
	Poetry	Dr. Sr. Jessy Maria
	Drama	Dr. P.J. George
	Indian English	Dr. H. Sadasivan Pillai
	Linguistics	Dr. Joy Jacob
	Aesthetics	Dr. Siby James
	Fiction	Dr. George Justine
	Theory	Dr. T.J. Abraham
	Indian Poetry	Dr. T.T. Thomas
Malayalam	Malayalam language and literature	Dr. M Gopalakrishnannair Dr. Babu Sebastian Dr. Jose Parakkadavil Rev.Dr. Baby Sebastian
	Cinema and Grammar	Dr. Davis Xavier
	Modern Poetry and criticism	Dr. Sabu De Mathew
	Malayalam literature and cinema	Dr. Thomas Scaria
Hindi	Novel	Dr. N K Joseph Dr. P M Thomas Dr. C K James
	Fiction	Dr. K M Mathew Dr. Mathew Thomas
	Short Story	Dr. V V Georgekutty

	Contemporary Hindi poetry- post colonialism	Dr. CK James
Mathematics	Fuzzy Mathematics	Dr. M S Samuel
	Graph Theory	Dr. Sunil C Mathew Dr. D.S.T. Ramesh
	Fuzzy Topology	Dr. Sunil C Mathew
Statistics	Distribution Theory	Dr. K K Jose
	Time Series Modeling	Dr. K K Jose Dr. Joy Jacob
	Stochastic Processes	Dr. Seemon Thomas Dr. K K Jose
	Reliability Analysis	Dr. K K Jose
	Statistical Quality Control	Dr. K K Jose Dr. Sebastian George
	Statistical Inference	Dr. Sebastian George Dr. Seemon Thomas
	Design of Experiments	Dr. Alex Thannippara
	Bio-Statistics & Micro-arrays	Dr K K Jose Dr Sebastian George
Physics	Thin Films	Dr. Sunny Mathew Dr. Simon Augustine
	Optoelectronics	Dr. Ison. V. Vanchipurackal
	Superconductivity	Dr. Simon Augustine
	Solar cells	Dr. Ison. V. Vanchipurackal
	Plasmonics	Dr. Vincent Mathew
	Crystal Growth	Dr. Ginson P. Joseph
	Nanocomposites	Dr. Ginson P. Joseph
	Quantum Electronics	Dr. Vincent Mathew
Chemistry	Nanostructures	Dr. Ison. V. Vanchipurackal
	Nanochemistry	Dr. Sunny Kuriakose
	Environmental Chemistry	Dr. Jose K. Xavier Dr. Sunny Kuriakose
	Organic Chemistry	Dr. Sunny Kuriakose
	Polymer Chemistry	Dr. G. D. Gem Mathew Dr. Sunny Kuriakose
	Supramolecular Chemistry	Dr. Sunny Kuriakose
	Microbiology	Dr. P J Benny
	Rubber Chemistry and Processing	Dr. G. D. Gem Mathew
	Biochemistry	Dr. Prakashkumar B Dr. K. M. Eldo Dr. P J Benny
	Phytochemistry	Dr. PJ Benny
Botany	Host-Guest Chemistry	Dr. Sr. Gigimol M.G
	Tissue culture	Rev. Dr. M M Mathew

	Plant taxonomy	Dr. Jomy Augustine
	Environmental biology	Dr. P O Augusthy
	Plant tissue culture, embryology	Dr. Dennis Thomas T
	Genetics	Dr. Stephen Joseph
Politics	Political science in India	Dr. Cyriac Thomas
	Social reform movements	Dr. M M Mathew
	Social and Political issues in Kerala	Dr. P M Thomas
	Indian government and American government	Dr. Stanny Thomas
	Human Rights, Administrative Law and Public Administration	Dr. Shajimon K Mathews
Commerce	Banking and Finance	Dr. Tharsis Joseph Dr. K V Thomas
	Co-operation and Finance	Dr. Tharsis Joseph Dr. V V Georgekutty
	Human Resource Management	Dr. Stephen Analil Dr. Tharsis Joseph Dr. V.V. Georgekutty
	Microfinance	Dr. K V Thomas
	Accounting and Management	Dr. V V Georgekutty
History	Indo-Portuguese History	Dr James John
	Socio-Cultural History	Dr James John
Sanskrit	Sanskrit Literature	Dr C T Francise

3.1.8. Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The college gives utmost importance in inviting eminent researchers, reputed scientists, and distinguished social scientists for interacting with our students and teachers.

- We organize International/National Conferences, Seminars and Training Programmes. 158 eminent persons/experts have visited the institution and interacted with our staff and students during the last five years. The details are given in item 3.7.4.
- In collaboration with Science Academies and National Institutes, we organize Refresher courses, Lecture Workshops etc.
- Interactive sessions with eminent scientists and experts are arranged for the benefit of students. Dr APJ Abdul Kalam, Dr CNR Rao, Dr V N Rajasekharan Pillai, Dr W R Mead, Dr Shashi Tharoor, and Dr Norber Kroo are some of the researchers who interacted with our students.
- Each department takes care to arrange at least 3 invited talks by eminent researchers every year.
- We make use of visits by eminent scientists under various exchange programmes. Dr Michael Sonlittner of Portland Community College USA, Dr Pevin Claud Jean of France, Professor Yoichiro Hoshino of Hokkaido University, Japan spent one week (3-9 March 2012) in our campus and inspired our students.
- We hosted DST-PAC meetings in 2010 and 2011 in our college. This gave an opportunity to our teachers and students to interact with more than 100 young and leading researchers.

- We mobilized funds from national/state bodies like UGC, DST, CSIR, National Science Academies, KSHEC, etc. for organizing national and international seminars/conferences, workshops, invited talks, etc.

3.1.9. What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Govt. of Kerala does not permit teachers to utilize sabbatical leave. However, eight per cent of staff utilized FIP of UGC during 2007 - 2012 and it really helped to improve the quality of research and imbibe research culture among teachers and students in the campus.

3.1.10. Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

- The college has a Research and Consultancy Services (RACS) Cell to disseminate the research findings of the institution for the benefit of public.
- The Departments of Chemistry, Biotechnology and Botany have been utilizing their resources and expertise for public utility services such as soil testing, water quality testing, etc.
- The Department of Biotechnology conducts training programme in Mushroom cultivation.
- Under the auspices of the Department of Botany a Santhom Farmers Club is functioning and it provides consultancy services to farmers of the locality.
- The Departments of Statistics and Economics helped the Coconut Development Board in conducting the coconut production survey in Kerala during 2012-13.
- The Department of Economics conducts workshops on Union Budget and Kerala Budget for the benefit of students and public.
- The Department of Biochemistry has undertaken a major research project on Medicinal Uses of Coconut sponsored by Coconut Development Board, Govt. of India.
- The Department of Botany has signed an MoU with Coconut Development Board for the production and distribution of high yielding dwarf varieties of coconut in Kerala. This will help the farmers to tackle the problem of labour shortage and low profitability.
- The college cultivates medicinal plants in the campus. The faculty members of the department of Botany conducted a major research project for exploring the medicinal uses of plants. The study was conducted among the tribals and adivasies of Melukavu area in Kottayam district.
- When Kerala was under the grip of the tragic epidemic, 'Chikungunya' during 2008-10 the faculty of the Department of Botany developed a special drug made of medicinal plants which was found very effective in controlling and curing the disease. This was well appreciated by the public and media.
- The Department of Biostatistics conducted health survey on life style diseases in Palai Municipality in collaboration with Heart Club Kottayam and Lions Club Pala and the findings were given wide publicity in local media and newspapers.
- The members of faculty of the Department of Physics are engaged in conducting awareness programmes on solar energy for the benefit of villagers and local public.

3.2. Resource Mobilization for Research

3.2.1. What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Seminars & Conferences	3,50,000	5,25,000	7,00,000	8,10,000	9,80,000	11,50,000
Substitute Salary	Nil	2,54,093	1,70,834	5,72,067	Nil	Nil
Books and Journals	12,00,000	16,00,000	18,00,000	23,00,000	27,60,000	34,00,000
Chemicals	5,250,000	6,50,000	8,750,000	12,00,000	16,00,000	21,00,000
Equipment	11,00,000	17,00,000	22,00,000	26,00,000	31,00,000	42,00,000
Travel	40,000	1,25,000	2,00,000	3,00,000	3,50,000	5,40,000
Consumables	3,00,000	5,50,000	7,50,000	8,25,000	10,00,000	14,00,000
Overhead	75,000	13,5000	Nil	Nil	70,000	Nil
Contingency	10,455	2,01,153	11,125	11,736	Nil	Nil
Total Expenditure	8325455	5740246	14581959	16043803	9860000	12790000
Budget Allocation	16%	18%	20%	20%	22%	25%
% of Utilization	100% 8325455	98% 562543.52	96% 13998680.64	100% 16043803	100% 9860000	96% 12278400

3.2.2. Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

There is no provision for providing seed money to faculty for research. However, there is a practice of advancing funds to departments/faculty for the purchase of equipments for lab and research using PTA Fund and Management Fund.

3.2.3. What are the financial provisions made available to support student research projects by students?

- Research labs, libraries, computer centre, etc. are freely accessible to students. They are provided with free access to internet facility too. All the research facilities acquired by the college are opened to the students and they are utilizing the facilities for executing their project works. Computers are installed in every PG classroom.
- The students of the departments of Physics, Chemistry, Botany and Biotechnology were provided research grants amounting to Rs.20000/- each by Kerala State Council for Science, Technology and Environment (KSCSTE) for doing their project works. Nine students received the grant during 2011-12.
- Project Proposal Competitions for PG students and Poster Designing Competition on emerging areas of research for UG students are held every year as part of Science Day Celebrations under the auspices of RACS cell. Attractive prizes are given to the discipline-wise winners.
- The Department of Commerce has instituted a scheme known as Student Self Support programme under which needy students can take out interest free loans from the corpus

fund. The loan amount is repayable on completion of the course of study.

3.2.4. How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavours and challenges faced in organizing interdisciplinary research.

With the assistance of U G C, the college has instituted five inter-disciplinary research centres with a view to promote inter-disciplinary research studies.

1. Departments of Physics, Chemistry and Biotechnology work as a team on emerging inter-disciplinary areas under the inter-disciplinary centre namely, "Centre for Nano-Bio-Polymer Science and Technology."
2. Departments of Botany and Zoology have an inter-disciplinary centre for research called 'Centre for Biodiversity Documentation and Research.'
3. Departments of Mathematics and Statistics developed an inter-disciplinary centre called 'Centre for Mathematics, Statistics and Computing'.
4. The Dr. P.J. Thomas Centre for Research in Social Sciences is a joint endeavour of the departments of Economics, Commerce and Politics.
5. The 'Centre for Quantitative Analysis in Social Sciences' promotes empirical research in social sciences in collaboration with Department of Statistics.

3.2.5. How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- During the normal working hours the research labs in the colleges are open to all staff, students and researchers of the college.
- The project works in the curriculum of both UG and PG programmes necessitates the optimal use of lab equipments as well as advanced level books and journals in the library.
- Learners from outside the campus can utilize the facilities in the college library with the permission of the Principal.
- Lab facilities and internet are made available to research guides and scholars on public holidays also.
- An ambience of sharing culture is prevalent among various departments for making their research equipments available to the need of others.
- Distance Education facility under IGNOU Study Centre utilizes various facilities in the college even on public holidays.
- The Research And Consultancy Service (RACS) cell utilizes all the equipments and research facilities of the institution to a maximum.

3.2.6. Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

- The Department of Statistics received Rs. 150000/- and Rs. 60000/- from the Coconut Development Board, Govt. of India for conducting crop cultivation survey during 2012-13 and 2013-14 respectively.
- The Department of Physics was given Rs. 1150000/- by DST, Govt. of India for conducting the Project Monitoring Committee Meeting in Physical and Mathematical Sciences during 2011-12.
- The college received Rs. 150000/- from KELTRON, Govt. of Kerala for providing training in networking and computer hardware.
- The Coconut Development Board, Govt. of India has sanctioned Rs. 20.9 lakhs to Dr. Ratheesh M, Dept. of Biochemistry for the major research project "Value added

formulation of Ayurvedic drug Ksheerabala by using Virgin Coconut Oil and its Therapeutic effects on Arthritis”.

- The RACS Cell of the college received Rs. 200000/- from various industries for consultancy services during 2009-14.
- The DST has sanctioned Rs. 90 lakhs under FIST programme to all science departments during 2012-13 which led to significant development in research facilities.
- In addition to this, Departments of Botany and Chemistry received Rs. 40 lakhs each under DST-FIST programme during 2009-10 and 2010-11 respectively, enhancing the research facilities of the Institution.
- Rs. 10 lakhs received under Basic Science Research (BSR) programme of UGC helped to revamp the research facilities in science departments.
- In addition to these special financial supports, the college has received enormous fund from UGC, DST, KSCSTE, KSHEC, etc. part of which has been utilized for improving research facilities (Refer item 3.2.7).

3.2.7. Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

- The Institution encourages all faculty members to apply for various research projects by different funding agencies.
- The Research Monitoring Cell collects and disseminates information on various opportunities for research funding in time and ensures that all competent faculty have applied for the same.
- One of the non-teaching staff is solely entrusted to help the faculty in matters of research funds.
- The IQAC also takes keen interest in securing maximum funds through research projects and grants.

Sl. No.	Principal Investigator & Co-Investigator	Title of the Project	Funding Agency	Period (From – To)	Amount (in Rs.)		Status
					Sanctioned	Received	
MAJOR PROJECTS							
1	Sunny Kuriakose	Light Harvesting and Related Phenomena in Nanoparticle Dispersed Dendritic Macromolecules	DST	2006-2009	10.82 Lakhs	10.82 Lakhs	Completed
2	Sunny Kuriakose	Development of a Computer Programme for Researchers in Discrete Mathematical Chemistry	DST Co PI	2008-2011	2,70,000/-	2,70,000/-	Completed
3	Dr. Ison V. Vanchipurackal	Organic solar cell: optimizing hetero junction morphology	MIT, Govt. of India.	2012-14	Expenditure is fully supported by the Govt.	NA	Completed
4	Dr. Ison V.	Functionalization and	DST	2011-	18.04	13.57	Ongoing

	Vanchipurackal	colloidal processing of morphology and composition controlled PbX (X=S, Se) nanocrystals and investigating their inter-coupling for quantum dot sensitized solar cells		14	Lakhs	Lakhs	
5	Dr. Ginson P. Joseph	Studies on the Electrical, thermal and non-linear optical properties of Metal substituted and swift heavy ion irradiated organometallic photonic Crystals.	DST	2010-13	20 Lakhs	12.3 Lakhs	Completed
6	Dr. Vincent Mathew	Study of electromagnetic fields and propagation in ferroelectric and multiferroic waveguide structures	UGC	2009-11	7.508 Lakhs	5.5 Lakhs	Completed
7	Dr. Vincent Mathew	Analysis and simulation of plasmonic waveguide structures for subwavelength applications	DST	2009-11	19.02 Lakhs	19.02 Lakhs	Completed
8	Dr. Vincent Mathew	On wave propagation in superconducting multilayers and waveguide structures	KSCS TE	2008-11	3.97 Lakhs	3.97 Lakhs	Completed
9	Dr K.K.Jose	Marshal Olkin Generalized Distributions and their Applications	UGC	2012-2015	9.95 lakhs	6.63 Lakhs	Completed
10	Dr. Siby James	The Rasa of Deconstruction and the Deconstruction of Rasa Post-Theory and Trans-epistemic Praxes	UGC	2007-10	488400/-	488400/-	Completed
11	Dr. K.V. Thomas (principal Investigator) Bobby Simon (Co-	Microfinance-An Alternative Approach to Financial Inclusion, Women Empowerment and Sustainable Income	UGC	2009 onwards	6,24,200	5,73,800/-	Ongoing

	Investigator)	Generation-A Case Study of Kudumbasree Initiative in Kerala					
12	Dr. Jomy Augustine	Ethnomedicinal Studies on Tribes and Local Traditional Health Practitioners of Kottayam and Idukki Districts, Kerala.	DST	2006-2009	9,41,000/-	9,41,000/-	Completed
13	Dr. Dennis Thomas T.	In vitro conservation and reproductive biology of <i>Pittosporum tetraspermum</i> an endangered medicinal plant from Western Ghats	UGC	2010-2012	4,11,000/-	3,76,000/-	Completed
MINOR PROJECTS							
1	Sunny Kuriakose	New Generation Anti-microbial Coating Based on Silver Nanoparticle Dispersed Hyperbranched Polyglycerols Containing Multichromophoric Groups	UGC	2010-12	85,000/-	85,000/-	Completed
2	Jose K. Xavier	Investigations on the Fate and Control of Water Pollution Due To Synthetic Detergents	UGC	2010-12	75,000/-	75,000/-	Completed
3	G. D. Gem Mathew	Development of cellulose-fibre reinforced poly propylene composites	UGC	2011-13	1,90,000/-	1,90,000/-	Completed
4	Thomas V. Mathew	Functionally modified natural polymers such as lignin: synthesis, characterization and photoresponsive studies	UGC	2011-13	1,40,000/-	1,40,000/-	Completed
5	Sunny Kuriakose	Studies on the Biomedical Applications of	UGC	2014-15	1,90,000/-	1,20,000/-	Ongoing

		Carbon Nanoparticles Dispersed in Macromolecular Scaffolds					
6	Thomas V. Mathew	Functionalized Lignin with Chromophoric Groups as a Matrix for Stabilising Silver Nanoparticles: Theoretical and Experimental Studies	UGC	2014-15	1,90,000/-	1,50,000/-	Ongoing
7	Sajeev Martin George	Development of Supertough Thermosets from Self-Assembled Nanostructured Block Copolymers/Epoxy Resin Blends	UGC	2014-15	1,40,000/-	95,000/-	Ongoing
8	Dr. Joy George	Poverty Scenario in Kerala: An Introspection	UGC	2009-10	90000/-	90000/-	Completed
9	Alan Zacharia	The link between alcohol affordability and consumption: A study with reference to Kottayam district of Kerala	UGC	2013-14	1 Lakh	60000/-	Ongoing
10	Joben K. Antony	Sustainable agricultural development and organic farming: a case study with reference to the Wayanadu district of Kerala	UGC	2013-14	1 Lakh	60000/-	Ongoing
11	Biju K.C. (Coordinator of Dept. project)	Socio-Economic survey on the morbidity trends in Meenachil Taluk	UGC	2013-14	60000/-	60000/-	Completed
12	Dr. Sabu. De. Mathew	The cultural and religious symbol in the work of Ayyappapanikkar and Sachidhanadun	UGC	2008-09	76000/-	76000/-	Completed
13	Sojan Pullattu	Dramas Adapted to feature film in Malayalam.A Historical Perspective	UGC	2009-2010	75000/-	75000/-	Completed
14	Dr. Thomas	<u>The impact of</u>	UGC	2009-	90000/-	90000/-	Completed

	Scaria	documentaries: Historical Cultural and Educational Perspective		2010			
15	Dr.Davis Xavier	Letter shapes and script system	UGC	2012- 2013	90000/-	80000/-	Not Completed
16	Prince Mon Jose	Mural Paintings And Wooden Engravings in the Christian temples of Meenachil Thluk-History and Faith	UGC	2013- 2014	90000/-	55000/-	Ongoing
17	Soumya Jose	The History and Relevance of Historical Films in Malayalam-An Evaluation	UGC	2013- 2014	50000/-	35000/-	Ongoing
18	Ashish Joseph	Relationship between Injury mechanism and Age of female volleyball players in Kerala	UGC	2011- 2013	60000/-	40000/-	Ongoing
19	Dr Sunil C Mathew	A Study on Topologically-Set- Graceful Graphs	UGC	2007-09	60000/-	60000/-	Completed
20	Dr Sunil C Mathew	The Properties of Invertible Fuzzy Topological Spaces	DST	2007-10	1,98,000/-	156000/-	Completed
21	Dr Sunil C Mathew	A Study on Lattices related to L- Fuzzy Topological Spaces	UGC	2012-14	160000/-	154000/-	Ongoing
22	Dr. V.V. Geoegekutty	Dalit Empowerment Depicted in Hindi Fiction	UGC	2007- 2009	75000/-	75000/-	Completed
23	Dr. C.K. James	Hindi Teaching in Kerala: Challenges and their Remedies	UGC	2011- 2013	114600/-	114600/-	Completed
24	Dr. Ison V. Vanchipurac kal	Investigating Photo induced charge transfer between semiconductor nanocrystals and polymers for photovoltaic applications	UGC	2012-14	0.87 Lakhs	0.83 Lakhs	Ongoing
25	Prof. Antony Simon	Monte Carlo Simulation of Cell Migration	UGC	2012-14	0.7 Lakhs	Not received	Incomplet e as the P.I. has expired
26	Dr. Sunny	Electrical and optical	UGC	2011-	0.85 Lakhs	0.70 Lakhs	Ongoing

	Mathew	properties of ZnO nanostructured Thin Films for gas sensors		13			
27	Dr. Simon Augustine	Effect of annealing on structural, electrical and optical properties of pure and doped ZnO thin films under different oxygen partial pressures	UGC	2010-12	1.65 Lakhs	1.61 Lakhs	Completed
28	Dr. Ison V. Vanchipurakal	Swift heavy ion induced intermixing of CdTe/CdS bilayers for solar photovoltaic applications.	UGC	2009-11	0.35 Lakhs	0.35 Lakhs	Completed
29	Prof. Raju Mathew T	Preparation of electrical Characterization of ZnO nanostructure thin films by two step chemical bath deposition technique	UGC	2009-11	0.35 Lakhs	0.35 Lakhs	Completed
30	Dr. Michael Augustine	Simulation of wave propagation in magnetically tunable nonlinear waveguide structures containing ferrite films	UGC	2009-11	0.45 Lakhs	0.25 Lakhs	Completed
31	Dr. Ginson P Joseph	Studies of the Physico-Chemical Properties of organometallic NLO crystals for photonics device fabrication	UGC	2009-11	1.15 Lakhs	0.95 Lakhs	Completed
32	Dr. Raj Mathew	A fuzzy approach to strategic games and an analysis of exchange network dilemma	UGC	2011 - 2013	200000/-	187000/-	Completed
33	Dr. Stany Thomas	Social Mobility and Self Reliance of Rural Women in Kerala: Empowerment of Women through Self Integrated Groups- A Case Study'	UGC	2008-10	94,000/-	94,000/-	Completed
34	Sijo K. Manuel	Human Rights and Role of NGOs: A	UGC	2009-11	50,000/-	50,000	Completed

		Study on Amnesty International (2000-2007)					
35	Sijo Mathew	Human Rights Violation of Migrant Workers in Kerala- with special reference to Tamil migrants in Kochi	UGC	2013-2014	125000/-	78000	Ongoing
36	Dr. Prakash Kumar B.	Screening of medicinal plants for dual inhibition of Lipoxygenase (lox) and Cyclooxygenase (cox)	UGC	2009-2010	80,000/-	80,000/-	Completed
37	Dr K.M Kurian	A Sensitivity Study of the Confidence Interval Estimation of Process Capability Indices in the Variance Components Model	UGC	2007-2009	1.20 lakhs	1.20 lakhs	Completed
38	Bindu P.P	Statistical Applications in Micro-array technology and Bioinformatics	DST	2009-2012	10 lakhs	10 lakhs	Completed
39	Dr Joy Jacob	A statistical study of the contributing factors of human development in the case of Scheduled Tribes in Kottayam and Idukki Districts of Kerala	UGC	2006-2008	1.25 lakhs	1.25 lakhs	Completed
40	Dr. T.J. Abraham	Travel Writing and Modern India: A Critique of Racism, Hegemony and Identity Formation.	UGC	2007-08	40000/-	40000/-	Completed
41	Dr.T.J. Abraham	Ethical Criticism: Levinas and M.K. Gandhi as Alternative Voices	UGC	2009-11	150000/-	150000/-	Completed
42	Tejil Thomas	Unveiling the Unlimited Tourism Potentials of Kerala Backwaters through Community Participation	UGC	2014-2015	50,000/-	30,000/-	Ongoing

43	Dr. Babu Jose	Financial Literacy – Study on Financial Literacy of Women in Kottayam District, Kerala	UGC	2014-2015	55,000/-	37,500/-	Ongoing
44	Prof. Binoy Chacko [Principal Investigator] Dr. Gireesh Kumar G.S [Co-PI]	Impact of Board Composition on Financial Performance: A study with special reference to selected companies listed in BSE.	UGC	2014-2015	85,000/-	67,500/-	Ongoing
45	Bobby Simon	Innovation Management of Micro, Small and Medium Enterprises	UGC	2014-2015	55,000/-	37,500/-	Ongoing
46	Dr. V.V. Georgekutty	Entrepreneurship Awareness among the students of Arts and Science Colleges in Kerala	UGC	2008-2010	75000/-	75000/-	Completed
47	Dr. Sunny Joseph	Socioeconomic Impact of NRI Remittances – A Case study of Malappuram District of Kerala	UGC	2009 onwards	60000/-	48000/-	Ongoing
48	Dr. Dennis Thomas T.	Survey for elite coconut mother palms in Kottayam district, Kerala	CDB	2012	1,25,000/-	65,000/-	completed
49	Dr. Johns Augustine	Collection and conservation of some rare and endangered orchids found in the Vagamon Hills of Kottayam, District , Kerala	UGC	2012-2013	98,000/-	93,000/-	Completed
50	Mr. Bince mani	In vitro selection and biochemical characterisation of salt resistant cell lines of Calotropis gigantean	UGC	2012-2013	1, 30,000/-	1,25,000/-	Completed
51	Dr. Jomy Augustine	Vegetation analysis of the grasslands and surrounding forests in Vagamon hill: A growing tourism center, Kerala	UGC	2007-2009	65,000/-	65,000/-	Completed
52	Toji Thomas	Characterization of	UGC	2011-	80,000/-	80,000/-	Completed

		antibacterial principle from <i>Acrostihum aureum</i> L.		2013			
53	Dr. T.J. Abraham	Gilles Deleuze & Nagarjuna as Postmodernists	UGC	2013-14	70,000/-	55,000/-	Ongoing
Interdisciplinary Projects							
Sl. No.	Title of the Project	Coordinator	Period	Funding Agency	Amount		
					Sanctioned	Received	
1	FIST Project to all Science Depts.	Dr Ginson P Joseph	2012-2017	DST	90 Lakhs	46.5 lakhs	
2	UGC Innovative Programme in Bio-Statistics	Dr Sebastian George	2005-2010	UGC	50 Lakhs	33.5 lakhs	
3	B.Sc. Recreation Leisure & Sports Studies (Innov. Programme).	Ashish Joseph	2013-2018	UGC	60 Lakhs + Salary to 2 Assistant Professors	46.5 lakhs	
Industry Sponsored Major Project							
1	Value added formulation of Ayurvedic drug Ksheerabala by using Virgin Coconut Oil and its Therapeutic effects on Arthritis	Dr Ratheesh M	2013-15	Coconut Development Board	20.9 Lakhs	9.48 Lakhs	
Students' Research Projects							
1	Generalized Laplacian distributions and their applications	Miss. Manu Mariam Thomas	2010-14	DST-INSPIRE	8.138 Lakhs	8.138 Lakhs	
Women Scientist Scheme (WOS-A)							
1	Statistical Applications in Microarray Technology and Bioinformatics	Mrs. P P Bindu	2009-13	DST	9.63 lakhs	9.63 lakhs	
Infrastructure Development for Teaching & Research Projects							
1	FIST Project to Dept. of Botany	HOD Botany	2009-14	DST	40 lakhs	35 Lakhs	
2	FIST Project to Dept. of Chemistry	HOD Chemistry	2009-14	DST	35 lakhs	33 Lakhs	
3	SARD	Dr Jomy Augustine	2009-12	KSCSTE	13.1 Lakhs	13.1 Lakhs	

4	SARD	Dr Sunny Mathew	2013-16	KSCSTE	19.75 Lakhs	19 Lakhs

3.3. Research Facilities

3.3.1. What are the research facilities available to the students and research scholars within the campus?

- A well equipped and well furnished library with more than 84000 books, 300 journals/periodicals and online books/journals through NLIST-INFLIBNET facility.
- Five computer labs with a total of more than 200 systems are available in the college with broadband connectivity accessible by students, research scholars and staff. Besides every department is provided with adequate number of computers.
- The college hosts a study centre-cum-library and information centre of Mahatma Gandhi University, Kottayam with more than 20000 books and INFLIBNET facility in the campus.
- The Department of Statistics has a DST-FIST sponsored advanced computing centre with 22 computers and a UGC sponsored Biostatistics computer lab with 21 computers.
- Licensed statistical software packages like SPSS, SAS, R and Minitab are made available in the computer labs for assisting scholars, teachers and students in advanced computing and analysis.
- The Department of Physics has four research labs (three experimental labs and one theoretical lab). The instrumental facilities include spin coating unit, centrifuge, colloidal nanostructure synthesis setup, hot air oven, muffle furnace, fume hood, solar distilled water unit, furnace, digital balances, source-meter, LCR meter, magnetic stirrers, sonicator, pico-ammeter, workstation-class-computers, etc.
- The Chemistry Department has two fully equipped research laboratories including an instrumentation room. Costly and advanced equipments such as IR Spectrophotometer, UV Vis Spectrophotometer, Vacuum Rotary Flash Evaporator (3 Nos), Microwave Oven, Electronic balances, Muffle Furnace, Polarimeter, Refractometers, Vacuum ovens, Conductometers, Hot air ovens, Magnetic and overhead stirrers, Water baths, Water stills, Water deionizer, Melting point apparatus, etc are available in the departmental labs.
- The Botany Department has three fully equipped research laboratories with the following facilities: HPLC (Shimadzu prominence Binary gradient), UV-VIS Spectrophotometer (Shimadzu Model 1800), Gel Documentation (Lark Gel Doc;), Deep Freezer (REMI) – 80°C, BOD Orbital shaking incubator (REMI CIS-24BL), Rotary evaporator (BUCHI Rotavapor), Analytical balance (Shimadzu AUX 220), Handicam SONY (DCR HC 54 E), Computer and movie editing software (Avid-liquid), Tripod (SONY VCT – 870 RM), Voice recorder (SONY TCM 150), Battery charger (SONY BCG34HLD4 – 2500), Microphone (SONY F-V220), MiniDV Cassette (SONY), Autoclave, Phase Contrast Microscope with Camera, Horizontal Electrophoresis, Herbarium cabins, Microwave oven, pH meter, Movie camera with accessories, Glass bead sterilizer, Racks for tissue culture room, Automatic light and temperature controller, Air conditioners, Racks for storing raw drugs, etc.
- The Department of Biotechnology and Microbiology has fully equipped research

laboratories such as Microbiology Laboratory, Molecular Biology Laboratory, Plant Tissue Culture Laboratory, Biochemistry and Enzymology Laboratory, Animal Cell Culture Laboratory and Bioinformatics Lab with Internet Facility. Thermo cycler (Eppendorf), Phase contrast & inverted microscope with photographic attachments (Leica), Gel documentation system (Biotech), UV trans illuminator, UV – Visible Spectrophotometer (Shimadzu), Visible Spectrophotometers (EI), Colorimeters, Laminar flow chambers, Bacteriological incubator -Incubator with Shaker, BOD incubator, Electrophoresis unit for Poly Acrylamide Gel Electrophoresis, Agarose Gel Electrophoresis, Digital Colony Counter, Carbon dioxide incubator (Yorco), Millipore Unit, Refrigerated Centrifuge (Remi), pH meter, Deep Freezer (-20°C), Autoclave, Double Distillation Unit, Microscope, Elisa Reader, Centrifuge, Cooling Centrifuge, Hot air Oven, Turbidi meter, Electronic Balance, PCR, Cyclo Mixture, Micro Centrifuge, Magnetic Stirrer, Refrigerator, etc are available in the department.

3.3.2. What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- The college has developed strategies for proper planning and mobilizing adequate funds for creating and upgrading infrastructural facilities for research. At the beginning of every academic year, all departments work out research requirements with regard to infrastructural needs. Accordingly, the Management, Research Monitoring Cell (RMC), and Research Forum in consultation with the IQAC and library representatives and faculty members prioritize needs.
- The college has a Research Monitoring Cell to plan and implement research activities in the campus. Information regarding major sources of funding is made available to all concerned. We receive grants from funding agencies like UGC, DST, CSIR, KSCSTE, MOSPI, ICHR etc.
- The college encourages the members of faculty as well as researchers to apply for major/minor research projects/fellowships and scholarships which will help in improving infrastructure on a need-based manner.
- The college offers many self-financing programmes and the surplus fund being obtained has been utilized for augmenting the research infrastructure.
- Our members of faculty have mobilized funds from UGC through innovative programmes in interdisciplinary and emerging areas of research and studies. M.Sc. Biostatistics and B.Sc. Recreation, Leisure and Sports Studies have been started under the scheme and necessary infrastructure facilities have been created utilizing the grant.
- The college offers five UGC-sponsored add-on programmes and forty per cent of the grant received has been earmarked for equipments.
- The RACS Cell also generates funds for proper maintenance of infrastructure through research and consultancy services.
- The Management, Alumni and PTA supplement to meet the needs of researchers.

3.3.3. Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments / facilities created during the last four years.

- The Coconut Development Board, Govt. of India has sanctioned a project of Rs. 20.9 lakhs to the Dept of Biochemistry for developing anti-arthritic drug using Virgin Coconut Oil. As

part of this a biochemistry lab with cell-culture room has been set up.

- The Department of Forest, Govt. of Kerala sanctioned Rs. 4.00 lakhs to the Department of Botany for the purchase of computer and movie editing software (Avid-liquid), Tripod (SONY VCT – 870 RM), Voice recorder (SONY TCM 150), Battery charger (SONY BCG34HLD4 – 2500), Microphone (SONY F-V220), MiniDV Cassette (SONY), etc. as a mark of gratitude for the consultancy services rendered by the department.
- Classrooms and research centre of the Dept of Commerce have been renovated and modernized by PTA and Alumni Association at a cost of around Rs. 10.00 lakhs.

3.3.4. What are the research facilities made available to the students and research scholars outside the campus/ other research laboratories?

- We send our students and research scholars to other reputed institutions in India and abroad. (Refer 'Student Participation in Advanced Level Programmes' in item 2.3.6).
- The Research and Monitoring Cell takes initiative in establishing collaborations with eminent researchers at national and international level.
- With a view to inculcating research aptitude, B.A. History students are sent every year to do 2 weeks internship in Archaeology and Museology at Hill Palace Tripunithura.
- For the benefit of M.Com and B.Com students, the college has obtained permission for on-the-job training as well as project works in leading financial firms and banks.
- The college has secured permission to use modern sophisticated instruments in reputed institutions and scientific laboratories in connection with research works. The following institutions have permitted our students to make use of their labs and facilities.

Sl. No.	Name of the Institution
1.	Dept. of Biostatistics, CMC, Vellore
2.	PSG Medical College, Coimbatore
3.	Regional Cancer Centre, Trivandrum
4.	Indian Institute of Science, Bangalore.
5.	NIIST, Trivandrum.
6.	IISER, Trivandrum.
7.	Amrita Viswa Vidya Peetham, Kollam.
8.	STIC (DST), CUSAT, Cochin
9.	IIRBS, Mahatma Gandhi University, Kottayam
10.	Centre for Nanoscience, Mahatma Gandhi University, Kottayam,
11.	School of Chemical Sciences, Mahatma Gandhi University, Kottayam
12.	English and Foreign Languages University, Hyderabad
13.	Central Tuber Crops Research Institute, Trivandrum
14.	Central Tuberculosis Research Institute, Chennai
15.	Amrita Institute of Medical Sciences and Research, Kochi
16.	Rubber Research Institute, Kottayam.
17.	Rajiv Gandhi Centre for Biotechnology, Trivandrum

3.3.5. Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?

- Separate space is provided in the general library of the college for research scholars.
- The research journals and the INFLIBNET online facilities are primarily meant for research scholars.

- Annually, 25% of the library fund is utilized for the purchase of research level books and journals.
- A separate hall with adequate number of cubicles is set up in the college for use by the scholars.
- The college has set up eight research labs for specialized research groups.
- The college is offering course work for research students in 10 disciplines.

3.3.6. What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

- With the assistance of U G C under CPE and DST-FIST Programmes, the college has instituted five inter-disciplinary research centres with a view to promote inter-disciplinary research studies.
 - i. Departments of Physics, Chemistry and Biotechnology work as a team on emerging inter-disciplinary areas under the inter-disciplinary centre namely, “Centre for Nano-Bio-Polymer Science and Technology”.
 - ii. Departments of Botany and Zoology have an inter-disciplinary centre for research called ‘Centre for Biodiversity Documentation and Research.’
 - iii. Departments of Mathematics and Statistics developed an inter-disciplinary centre called ‘Centre for Mathematics, Statistics and Computing’.
 - iv. The Dr. P.J. Thomas Centre for Research in Social Sciences is a joint endeavour of the departments of Economics, Commerce and Politics.
 - v. The ‘Centre for Quantitative Analysis in Social Sciences’ promotes empirical research in social sciences in collaboration with Department of Statistics.
- Advanced equipments are installed in the lab of Centre for Nano-Bio-Polymer Sciences
- Research equipments have been installed in the Materials Science Research lab of Physics Dept.
- A water testing lab has been set up in the Research Dept of Chemistry with modern equipments.
- Polymer sciences and nano technology lab was set up with advanced equipments in the Chemistry Department.
- New computers installed in the Centre for Advanced Mathematical Modeling and Statistical Computing.
- The Departments of Biochemistry and Biotechnology & Applied Microbiology have set up an advanced lab for collaborative research.
- NLIST facilities for on-line journals established in the college library.
- Different centres of research have a united platform under RACS cell for collaborative research and consultancy.

3.4. Research Publications and Awards

3.4.1. Highlight the major research achievements of the staff and students in terms of *Patents obtained and filed (process and product) *Original research contributing to product improvement *Research studies or surveys benefiting the community or

improving the services *Research inputs contributing to new initiatives and social development.

- Lead selenide nanoparticles of very good quality in terms of monodispersity and crystallinity have been developed by Dr. Ison V. Vanchipurackal and his research students. Studies are going on for the fabrication of Solar cells based on these nanoparticles.
- Dr. Simon Augustine of Dept of Physics has developed a new technology for water preservation and application for patent has been filed.
- Our faculty and research scholars have published a good number of original research papers in international journals with high impact factors which will contribute to product improvement. For eg. The paper entitled 'Comparison between two process capability indices using generalized confidence intervals' by Dr. K.K. Jose and his research student which appeared in the *International Journal of Advanced Manufacturing Technology* published by Springer in 2013 has received high appreciation.
- Dennis Thomas T. has developed protocol for somatic embryogenesis in several medicinal plants like *Clitoria ternate*, *Hemidesmus indicus*, *Rhinacanthus nasutus*, *Torenia bicolor*.
- Dr. Dennis Thomas was successful in obtaining haploid and triploid plants of mulberry (*Morus alba*) through in vitro gynogenesis and endosperm culture respectively.
- Dr. Dennis Thomas has standardized micropropagation of several plant species including medicinal plants and vegetable crops.
- Dr. Dennis Thomas has standardized a protocol for the hairy root culture of *Rhinacanthus nasutus*, an important ethnomedicinal plant.
- Staff and students of the Depts of Economics, Statistics and Botany have conducted socio-economic and health surveys in collaboration with local self govts. and NGOs which brought significant changes in the lifestyle of the local community.
- Dr. K.V.Thomas of the Dept. of Commerce has undertaken a major research project titled 'Micro Finance – An Alternative Approach to Financial Inclusion, Women Empowerment and Sustainable Income Generation' with an intention to promote inclusive growth and overall social development.
- Reviewers of the paper entitled "On compactness and connectedness of invertible fuzzy topological spaces" published by Anjaly Jose and Dr. Sunil C Mathew in the *International Journal of Pure and Applied Mathematics* in 2012 commented that the results obtained would certainly benefit both fuzzy and crisp topologists.
- The paper entitled "The role of activated charcoal in plant tissue culture" appeared in the *International Journal, Biotechnology Advances* was an original contribution to product improvement.

3.4.2. Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

The college is publishing two bi-annual research journals, *STARS: International Journal (Sciences)* with ISSN: 0973-7804 and *STARS: International Journal (Humanities and Social Sciences)* with ISSN: 0973-7812. Dept of Hindi publishes a national journal 'Sodh Kshitij' with financial support from UGC.

Editorial Board

The editorial board of the STARS: International Journal (Sciences) includes eminent scientists, educationalists and academicians of international reputation. Advisory Board consists of Dr. A. M. Mathai, Mc Gill University Canada, Dr. K.S.S. Nambooripithiripad, University of Kerala, Dr. Holger Frey, Johannes Gutenberg University, Germany, Dr. Hans J Houbould, UN, Austria, and Dr. James Jacob, RRII, India. The editors consist of Dr. G.P. Srivastava, Delhi University, Dr. T.P. Johnson, Cochin University, Dr. K. Jayakumar, Calicut University, and Dr. N. Sasidharan, Kerala Forest Research Institute.

The editorial board of the STARS: International Journal (Humanities and Sciocial Sciences) includes Prof. Dr. B. Subramanian, JNU, New Delhi, Dr. K.S. Mathew, Pondicherry University, Dr. Imre Szigeti, Germanistik Catholic University, Hungary, Budapest, and Dr. Falk Reitz Freie University, Berlin, Germany. The editors are Dr. Michael Tharakan, CDS, Thiruvananthapuram, Dr. Annakutty V.K. Mumbai University, Dr. G. Gopakumar, University of Kerala, Dr. Kurias Kumbalakuzhy, MGU, Kottayam and Dr. Pius M.C., JNU, New Delhi.

Publication Policy

Academics and researchers may submit their articles to the Chief Editor/Principal. All the papers received will be peer reviewed and selected papers will be published.

3.4.3. Give details of publications by the faculty and students

a) Number of research publications by the faculty during 2008 to 2014.

Sl. No.	Faculty	Number of papers in			Total No. of Papers
		Peer reviewed journals		Proceedings/ Regional	
		International	National		
Department of Statistics					
1	Dr K K Jose	31	6	6	43
2	Dr Joy Jacob	-	-	1	1
3	Dr K M Kurian	4	1	1	6
4	Dr Alex Thannippara	12	2	-	14
5	Dr Sebastian George	10	4	1	15
6	Dr Benny Kurian	2	-	-	2
7	Dr Seemon Thomas	4	-	-	4
Department of Physics					
8	Dr Michael Augustine	4	1	-	5
9	Dr Sunny Mathew	2	1	-	3
10	Dr Vincent Mathew	12	1	-	13
11	Dr Ison V. Vanchipurackal	7	-	-	7
12	Dr Ginson P. Joseph	16	-	-	16
13	Antony Simon	1	-	-	1
Department of Chemistry					
14	Dr. Sunny Kuriakose	20	2	70	92
15	Dr. Jose K Xavier	-	1	-	1
16	Dr. G D Gem Mathew	4	1		4
17	Dr. Thomas V. Mathew	4	-	-	4
18	Sajeev Martin George	5	1	-	6

Department of Botany							
19	Dr Jomy Augustine	-	5	-	5		
20	Dr Dennis Thomas T.	30	-	-	30		
21	Dr Toji Thomas	6	4	-	10		
22	Bince Mani	2	-	-	2		
Department of Mathematics							
23	Dr. V K Jose	2	-	-	2		
24	Dr Sunil C Mathew	24	2	-	26		
25	Boby P. Mathew	1	-	-	1		
Department of Zoology							
26	Dr. Benny P J	8	2	1	11		
Department of English							
27	Dr T.J. Abraham	3	5	1	9		
28	Dr Joy Jacob	-	3	-	3		
Department of Malayalam							
29	Dr Davis Xavier	-	-	10	10		
30	Dr Sabu De Mathew	-	-	2	2		
31	Sojan Pullattu	-	-	3	3		
32	Dr Thomas Scaria	-	-	6	6		
33	Prince Mon Jose	-	-	1	1		
34	Dr. C.T. Francis	-	-	6	6		
Department of Hindi							
35	Dr V. V Georgekutty	-	7	-	7		
Department of Economics							
36	Dr Joy George	-	1	-	1		
Department of Politics							
37	Dr. Stany Thomas	1	-	1	2		
38	Sijo K. Manuel	-	9	-	9		
Department of Commerce							
39	Dr V V Georgekutty	-	4	-	4		
40	Dr K V Thomas	-	1	-	1		
41	Bobby Simon	-	7	-	7		
42	Tejil Thomas	-	2	-	2		
43	Dr Babu Jose	-	2	-	2		
b) Citation indices							
Sl. No.	Faculty	Citation indices					
		Citations		h-index		i10-index	
		All	Since 2009	All	Since 2009	All	Since 2009

1	Dr Dennis Thomas T	629	544	13	13	17	17
2	Dr K K Jose	265	208	9	8	9	6
3	Dr Ginson P. Joseph	255	209	10	9	10	9
4	Dr Sunil C Mathew	40	38	4	4	0	0
5	Dr Sunny Kuriakose	102	57	6	4	1	0
6	Dr Toji Thomas	17	16	2	2	0	0
7	Dr Ison V. Vanchipurackal	63	63	5	5	3	3

c) Books/ Monographs Authored /Edited

Sl. No.	Authors	Title of the Book & ISBN	Publisher	Year
1	Sijo K. Manuel Dept. of Politics	Manushyvakasngal: Shithantham Charithram Samskaram, ISBN 9788126435463	D. C. Books, Kottayam	2012
2	Dr. Ison V. Vanchipurackal Dept. of Physics	Condensed Matter Physics 978-81-922911-5-4	Lilly Publishing House, Changanacherry .	2013
3	Dr. Ison V. Vanchipurackal Dept. of Physics	Classical and Quantum Mechanics 978-81-922911-7-8	Lilly Publishing House, Changanacherry.	2012
4	Dr. Ison V. Vanchipurackal Dept. of Physics	Mechanics, Thermal Physics and Spectroscopy 81-88646-16-4	Vishal Publishing Company, Jalandhar.	2005
5	Dr. Ison V. Vanchipurackal Dept. of Physics	Condensed matter Physics, Nuclear Physics and Quantum theory	Lilly Publishing House, Changanacherry.	2011
6	Dr. Ison V. Vanchipurackal Dept. of Physics	Complementary Physics for Mathematics and Chemistry	Lilly Publishing House, Changanacherry.	2009
7	T. Dennis Thomas and Toji Thomas (Editors) Dept. of Botany	Bioprospecting of Plant Genetic Resources ISBN 978-81-910911-3-7	Apex Infotech Publishing Company, Chennai	2013
8	Dr. Davis Xavier Dept. of Malayalam	Rasavicharam 81-89085-00-X	Book Media Choondachery	2009
9	Dr. Davis Xavier Dept. of Malayalam	Ambathonnaksharalee 978-81- 89085-52-0	Book Media Choondachery	2011
10	Dr. Davis Xavier Dept. of Malayalam	Malayalavyakaranam 978-81- 89085-61-2	Book Media Choondachery	2012
11	Dr. Davis Xavier Dept. of Malayalam	Prajeena Kavitha	Ascend Books Kottayam	2012
12	Dr. Davis Xavier (Editor) Dept. of Malayalam	Thiranjedutha Nandanpattukal	Book Media Choondachery	2013

13	Dr. Davis Xavier Dept. of Malayalam	Soundarya Nireekshanam (Preface)	Book Media Choondachery	2013
14	Dr. Thomas Scaria Dept. of Malayalam	Janapriya Cinemakal Ptavum Porulum	Ascend Books Kottayam	2012
15	Dr. Thomas Scaria Dept. of Malayalam	Samakalika Sahithyavimarsanam 978-81- 89085-72-8	Book Media Choondachery	2014
16	Dr. Thomas Scaria Dept. of Malayalam	Sahithyacharithra Vinjaneeyum	Ascend Books Kottayam	2012
17	Seemon Thomas Dept. of Statistics	Basic Statistics 978-81-8487-325-2	Narosa, New Delhi	2014
18	Joy Jacob, K. M. Kurian and Sebastian George Dept. of Statistics	Proceedings of the International Conference on Mathematical Sciences	Department of Statistics, St Thomas College, Pala	2011
19	K. K. Jose and V. Seethalekshmi Dept. of Statistics	Geometric Exponential Distributions: Generalizations and Applications ISBN 978-3-8383-0746-6	LAP Lambert Academic Publishers, Germany	2009
20	Dr. Siby James Dept. of English	Understanding Manipravalam 077-344-820-9	Edwin Mellen	2009
21	Dr. T. J. Abraham Dept. of English	Postmodern Ethical Criticism in the West and the East with Special Reference to Emmanuel Levinas and M.K. Gandhi	Department of English, St. Thomas College, Pala.	2012
22	Dr. V.V Georgekutty Dept. of Hindi	Ek Aur Anusheelan	Sincere Publishers, Pala, Kerala	2008
23	Dr. V.V Georgekutty Dept. of Hindi	Khurpi	Sincere Publishers, Pala, Kerala	2009
24	Dr. V.V Georgekutty Dept. of Hindi	Surchap	Sincere Publishers, Pala, Kerala	2010
25	Dr. V.V Georgekutty Dept. of Hindi	Vaigyanik Paheliyam	Sincere Publishers, Pala, Kerala	2011
26	Dr. V.V Georgekutty Dept. of Hindi	Selected Essays(English)	Sincere Publishers, Pala, Kerala	2012
27	Dr. V.V Georgekutty Dept. of Hindi	Chosen Essays(English)	Sincere Publishers, Pala, Kerala	2013
28	V. Nagarajan Naidu and K. K. John	Crop Rotation and Economic Sustainability of Agriculture, ISBN: 978-3-8443-8080-4	Lambert Academic Publishing	2011
29	Bobby Simon	E-Commerce and General Informatics. ISBN 978-93272-1301-0	Kalyani Publishers, New Delhi	2010
30	Babu Jose	Futures Market- Determinants	Lambert Academic	2013

		of Indian Futures Market 978-3-659-32604-2	Publishing, Germany	
31	G.D. Gem Mathew and Jose K. Xavier	Complementary Chemistry ISBN: 81-88646-75-X	Vishal Publishing Co., Jalandhar - New Delhi	2009
32	G.D. Gem Mathew and Jose K. Xavier	Advanced Inorganic and Organic Chemistry ISBN: 81-88646-92-X	Vishal Publishing Co., Jalandhar - New Delhi	2010
33	G.D. Gem Mathew and Jose K. Xavier	Advanced Bio-Organic Chemistry ISBN: 81-88646-33-4	Vishal Publishing Co., Jalandhar - New Delhi	2010
34	G.D. Gem Mathew and P. R. Ramachandran (Editors)	Basic Organic Chemistry-I ISBN: 81-88646-57-1	Vishal Publishing Co., Jalandhar - New Delhi	2010
35	G.D. Gem Mathew and P.R. Ramachandran	Basic Organic Chemistry-II ISBN: 978-81-921432-3-1	Vishal Publishing Co., Jalandhar - New Delhi	2011
36	G.D. Gem Mathew and P.R. Ramachandran	Chemistry of Natural Products and Biomolecules	Vishal Publishing Co., Jalandhar - New Delhi	2011
37	Sunny Kuriakose and M.G. Gigimol	Polymer Chemistry	Kalyani Publishers, Ludhiana – New Delhi	2012
38	Sajeev Martin George ; Poornima Vijayan and Sabu Thomas	Nanostructure and Toughening of Thermosets	Woodhead Publishing Limited, Cambridge, UK	In Press
39	Ashish Joseph	Handbook of Rules & Regulations for Inter Collegiate sports ISBN: 978-81-89085-50-6	Physical Education Association M.G.U,	2012

3.4.4. Provide details of * research awards received by the faculty * recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally * incentives given to faculty for receiving state, national and international recognitions for research contributions.

- Dr. K.K Jose, Principal of St. Thomas College, Pala received the following awards/recognitions
 - Best Principal Award of AIACHE.
 - Elected Member of International Statistical Institute, The Netherlands
 - Shiksha Ratna Award 2010 of India International Society for Peace, New Delhi for contributions in the field of education.
 - M.G.University Award for Best College Principal for promoting NSS activities during 2010-11
 - Professor P. V. Sukhatme Award 2012 for Contributions to Statistics and Biostatistics, Indian Society for Medical Statistics, New Delhi
 - Global Achievers Award 2012, Citizens Integration Peace Society, New Delhi

- Sir Isaac Newton Award for Scientific Excellence, ABS, USA, 2012
- Elected Fellow of the Royal Statistical Society, UK, 2012
- Rajeew Gandhi Shiromani Award 2012, Citizens Integration Peace Society, New Delhi
- World Bank Travel Fund Award of the International Statistical Institute in 2011 and 2013.
- Smt. Indira Gandhi Sadbhavana Award 2012, National Integration and Economic Council, New Delhi
- Selected for the Dr. Sam Higgin Botham Award for the Best College Principal in India during 2011-12 by AIACHE, New Delhi
- Selected for the Bharat Jyothi Award 2013 of the India International Friendship Society, New Delhi
- Dr. V. V Georgekutty, Department of Hindi, received the Berchmans Award for the Best College Teacher in Kerala.
- Dr. V. V Georgekutty, Department of Hindi was awarded D.Litt. from Dakshina Bharatha Hindi Prachara Sabha, Institute of National Importance, Chennai
- Dr. Sunny Kuriakose: Member of National Mentor Panel for INSPIRE programme, DST, Ministry of Science and Technology, Govt. Of India (2012-2-13).
- Dr. Sunny Kuriakose, Dr. Jose K. Xavier, Dr. G. D. Gem Mathew and Dr. Thomas V. Mathew are members of the American Chemical Society.
- Dr. Sunny Kuriakose was a member of the American Association for the Advancement of Sciences (AAAS) and New York Science Academy and the Indian Academy of Sciences.
- Dr. G. D. Gem Mathew and Dr. Thomas V. Mathew are members of the Indian Chemical Society.
- Dr. Ison V. Vanchipurackal has received the Summer Research Fellowship of the Indian Academy of Sciences, Bangalore in 2011 and 2012. The summer research was carried out at School of Chemistry, Indian Institute of Science Education and Research (IISER), Trivandrum under the guidance of Prof. K. George Thomas.
- Dr. Jomy Augustine was given the International award for the best paper (Oral) presentation in the international seminar on Multidisciplinary Approaches in Angiosperm Systematics held on October 11-13, 2008
- The department of Politics got a rare opportunity to share the research wisdom and teaching experience of a Nehru Fulbright Scholar Prof. Dr. Michael Warren Sonnlitenier chair of Peace and Conflict Studies of Portland Community College for six months during 2010-11.
- Dr. Stany Thomas was selected for the Nehru-Fulbright Scholarship Programme and served as a faculty of Portland Community College, Oregon, USA for six months.
- Dr. Vincent Mathew (Dept. of Physics) successfully completed the INSA-HAS exchange programme during 2007. He worked on the topic 'Quantum optics' jointly with Prof. Sergie V Kukhelovski at university of Pecs, Hungary.
- Dr. Dennis Thomas (Dept. of Botany) secured BOYSCAST fellowship of DST and completed one year postdoctoral training with Prof. Erhard Kranz at the Department of Applied Plant Molecular Biology, University of Hamburg, Germany in 2007-08. During his stay in Germany, Dr. Dennis specialized in 'in vitro fertilization with isolated gametes in maize and Brachypodium'.
- Dr. Jose T. Puthur (Dept. of Botany) secured BOYSCAST fellowship of DST and

completed one year postdoctoral training at Institute of Plant Biology, Biological research centre, Hungarian academy of sciences, Szeged, Hungary in 2007-08.

- Dr G D Gem Mathew won the Best Chemistry Teacher Award of the Association of Chemistry Teachers (ACT), Mumbai, Institute of Chemical Technology of the University of Mumbai and National Chemical Laboratory (CSIR), Pune in 2011.
- Dr. Dennis Thomas (Dept. of Botany) got the rare distinction of visiting Field Science Centre for Northern Biosphere, University of Hokkaido, Japan as INSA-JSPS visiting Scientist during 2009 and the Department of Pharmaceutical Biology and Botany, Medical University in Wroclaw, Poland as INSA-PAS visiting Scientist in 2013.
- Dr. Dennis Thomas has been selected as a visiting associated Professor at Field science centre for Northern Biosphere, University of Hokkaido, Japan during 2014.
- Dr Sunil C Mathew has been cited in Mathematics Genealogy Project with 2 students and 2 descendants. The intent of this project is to compile information about all the mathematicians of the world and is maintained by the North Dakota State University USA.
- A number of teachers of our college are peer-reviewers of many International Journals and are adjudicators of Ph.D. theses of several universities.
- Besides this many of our teachers are members of the Board of Studies of various universities, subject experts for selection of faculty in colleges, members of Senate and Syndicate, etc.

3.5. Consultancy

3.5.1. Give details of the systems and strategies for establishing institute-industry interface?

- A wide array of initiatives is in place for the promotion of institute-industry interface.
- The newly introduced UGC sponsored Vocational Degree Courses ((a) Sustainable agriculture and (b) Food processing technology) and the Diploma courses ((a) Renewable energy and (b) Hardware and networking maintenance) are run by tie-ups with the following institutions/industries:
 1. IPSR Solutions Ltd., Merchants' Association Bldg, Kottayam-686001, Kerala.
 2. Micro Tracks Industries, 1/61 C, Variyath Residence, Ramankartha Road, II Cross, Cheranellore, Cochin-34, Kerala.
 3. Omega Systems and Solutions, Pala, Kottayam-686575.
 4. Palai Social Welfare Society, Shalom Pastoral Centre, Pala, Kottayam-686575
 5. Coconut Development Board, Govt. of India, P.B. No. 1021, Kerabhavan, Kochi-682011.
 6. KISCO Ltd No. 1995, Pala, Kottayam -686575.
 7. Chaithanya, Thellkom P.O., Kottayam-686016.
 8. Vayalil Spices, Puthottu Arcade, Kottaramattom, Pala, Kottayam-686575
- The college encourages collaborations with industry and other stakeholders of the community through the RACS cell.

3.5.2. What is the stated policy of the institution to promote consultancy? How

is the available expertise advocated and publicized?

- Consultancy promotion in the institute gathers vigour both by the unstinted support for it from the Management as well as the presence of an enviable pool of experts in its ranks.
- Head of the Institution allows duty leave for Govt./ University approved programmes in connection with consultancy.
- The consultancy service provided by the college is coordinated by the Research And Consultancy Service (RACS) Cell.
- The College publicizes the expertise through the College Website, Newsletter, Handbook, Press Releases, Brochures, Pamphlets, etc.

3.5.3. How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- Teachers are permitted to use the facilities available in the college for consultancy services.
- Faculty members are provided with duty leave to offer consultancy as Resource Persons, Subject Experts, Quiz Masters etc.
- Consultancy services of faculty members are acknowledged and appreciated in staff meetings.
- Also major consultancy services offered by the faculty are being published in the college newsletter.
- The college encourages the faculty to offer their research expertise even outside the parent institution/university. For instance, many of the members of the faculty act as external research guides to various universities other than M G University, Kottayam. A significant number of students have benefitted from consultancy extended to outside, the details of which are given below.

Sl. No.	Name of Faculty & Department	Name of Research Scholar	Research Centre & University	Year of Regn.	Area of Research	Ongoing/ Submitted/ Awarded
1	Sunny Kuriakose, Chemistry	Sheena Varghese	Bharathiar University	2012	Nanochemistry- Nanobiotechnology	Ongoing
2	Sunny Kuriakose, Chemistry	Soumya Jose	Bharathiar University	2013	Nanochemistry- Nanobiotechnology	Ongoing
3	Sunny Kuriakose, Chemistry	Rekhasree	Bharathiar University	2013	Catalysis	Ongoing
4	Dr. Simon Augustine, Physics	Deepu Thomas	Bharathiar, Coimbatore	2011	Materials Science	Ongoing
5	Dr. Ison V. Vanchipurackal, Physics	Ajith Thomas	Bharathiar, Coimbatore	2013	Solar cells	Ongoing
6	Dr. Vincent Mathew, Physics	Seena Mathew	Bharathiar, Coimbatore	2009	Microwave IC	Submitted

7	Dr. Vincent Mathew Physics	Jolly Andrews	Bharathiar, Coimbatore	2008	Applied Superconductors	Submitted
8	Dr. Vincent Mathew, Physics	Jesley Jacob	Bharathiar, Coimbatore	2008	Plasmonics	Awarded
9	Dr Sunil C Mathew, Mathematics	Ginu Varghese	Anna University Coimbatore	2011	L-fuzzy Topological Spaces	Ongoing
10	Dr C T Francis, Sanskrit	K D Sobha	Govt. Sanskrit College Tripunithura M. G. University	2011	Commentaries on Nyayasara	Ongoing
11	Dr C T Francis, Sanskrit	M K Narayanan Namboothiri	-do-	2013	Psycho-ethical Analysis in Kalidasa	Ongoing
12	Dr C T Francis, Sanskrit	A P Praseeda	-do-	2013	Ramayane Vaidikasanam Parispanda	Ongoing
13	Dr C T Francis, Sanskrit	Viji V A	-do-	2012	Principles of Economics as reflected in Neethi Literature	Ongoing
14	Dr C T Francis, Sanskrit	Shyam Nair	-do-	2010	The Concept of Upanayana in Kathopanishad	Ongoing

- In addition, Dr James John, HOD of History, is a research guide of both Mahatma Gandhi University, Kottayam as well as Bharathiar University, Tamil Nadu.

3.5.4. List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

- The **Department of Statistics** offered consultancy services for the following external research scholars in connection with their doctoral studies and data analysis.
 1. Shaji P.S, Research Scholar in Education, Lecturer St. Thomas Training College Pala
 2. Bindu George, Research Scholar in Education, Lecturer, St. Thomas Training College Palai
 3. Anisha Gopalakrishnan, Lecturer Training College Mannanam
 4. Thankachan P K, Lecturer St. Thomas Training College Pala
 5. Biju Michael, Research Scholar in Psychology, Rome
 6. Sibichen George, Lecturer, Training College Mannanam
 7. Daniel Mammen, Research Scholar in Psychology, Tiruvalla
 8. Money M John, Research Scholar in Psychology, Kottayam
 9. Biju K.C, Research scholar in Economics, Sree Sankara College, Kalady
 10. Job Joseph, Research Scholar in Commerce, SB College Chenganacherry

11. Preethi Wilson, Research Scholar in Home Science, M.G University.
12. Thomas P.J, Research Scholar in Education, St. Josephs Training College Mannanam.
13. Tessy Joseph, Research Scholar in Education, St. Josephs Training College Mannanam.
14. Tia Mathews, Research Scholar in Commerce, S.H College, Thevara
15. Dr. Manekha Sunny, Pediatrician, Medical College, Kottayam
16. Muralidaran Nair R, Research Scholar in Sociology, M.G University.
17. Resmi P, Research Scholar in Economics, M.G University Kottayam.
18. Dr. Roy Zachariah, Homeo Doctor, DMO, Kottayam
19. Vijayan M.R, Reserch scholar in Education, DIET, Trichur
20. Ronu Thomas, Research Scholar in Education, St. Josephs Training College Mannanam.
21. Suremya Mathai, Research Scholar in Education, St. Josephs Training College Mannanam.

An amount of Rs 1.65 lakhs was generated through the above consultancy service.

- Consultancy Services are also provided by the Department of Statistics for their project works to the following students.
 1. Master of Physiotherapy students of School of Medical Sciences, M.G University
 2. M.Sc. Nursing students of Medical College Kottayam
 3. M.Ed. students of St. Thomas Training college, Pala
- The Department of Physics has become almost a consulting hub for colleges across Kerala, as a large number of PG and research scholars and faculty have drawn on the resources of the Department.
- The **Department of Chemistry** undertakes research consultancy service for the industry and the public. The Dept. provides consultancy to Riotech Industries, Kottayam, a leading polymer industry, which produce adhesives. The faculty also provide research consultancy for other Universities (eg. Bharathidasan University, Coimbatore) for conducting the project work of their M. Phil. course. The faculty members also provide consultancy for water testing and water management, soil testing, plastic pollution control, etc.
- The broad areas of consultancy in the **Department of Botany** are Plant Taxonomy, Biodiversity Documentation, Biodiversity Monitoring, Plant Tissue Culture and Environmental Science. The major consultation undertaken during the last few years are:
 - (i) Vegetation monitoring in the protected areas of Kerala (2005 onwards). This long-term consultancy project is in collaboration with Kerala Forest Department. This is the first of this kind in Kerala, in being a consultancy project between a governmental body and a department in an affiliated college. In this long-term monitoring (20 years) the PG and UG students are involved. The department of Botany has selected Eravikulam National Park and Chinnar Wildlife Sanctuary in the first phase of the project.
 - (ii) Assessment of the Ecologically Fragile Land Status: The Department has undertaken the vegetation assessment of Three Ecologically Fragile lands of Kerala State. They were in collaboration with Kerala Forest Department and Court Tribunal of Addl. Magistrate Court at Calicut and Quilon: a) Ponmudi estate, Ponmudi, Thiruvananthapuram Dt. b) I.A. 13/09 in OA 1/09 (I Addl, District Court, Calicut) c) I.A. 13/09 in OA 2/08 (I Addl, District Court, Calicut)
 - (iii) Management Plan for Wildlife Sanctuaries of Kerala: a) Dr. Jomy Augustine and his team have undertaken the task of the preparation of the management plan for the newly declared Sanctuary namely Malabar Wildlife Sanctuary in 2009. b) Dr. Jomy

- Augustine has participated in the management plan workshop for the Management of Eravikulam National Park, Mathikettan Chola National Park, Anamudi Chola National Park, Pampadum Chola National Park and Chinnar Wildlife Sanctuary, Munnar conducted by Kerala Forest Department.
- (iv) Biodiversity Training: Dr. Jomy Augustine has been the resource person in 'One-week compulsory training on Conservation and development of Medicinal plants and benefit sharing with local communities' at Silent Valley. This programme was in collaboration with Kerala Forest Research Institute, Peechi.
 - (v) Lab Visit and Science Experience Workshop for Plus two students: Department of botany has conducted two one day workshops for Plus two students for introducing the new approaches of Science research and a lab visit at the department of Botany in 2009-2010. Two Higher Secondary Schools with 200 students have participated in these workshops.
 - (vi) Department of botany has conducted a one day workshop for Higher secondary Biology students for experiencing with the new approaches of Science research and a lab visit at the department of Botany in 2011. Around 120 students from Holy-Cross Higher Secondary School have participated in this workshop.
- The **Department of English** has conducted a host of cultural meets for the school and college going students, designed to foster creativity, theatre arts and personality skills.
 - The **Department of Political Science** offers consultancy services in areas of Panchayati Raj and Human Rights to Panchayat Raj Institutions and individuals. The department is planning to broaden its consultancy services.
 - Rev. Dr. James John, **Department of History** is working as Heritage Consultant of Pala Heritage Society. Prof. Cyriac Jose is associated with the excavations both at Kottappuram by State Archaeology Department of Kerala and at Marayoor by P.G Research Institute, Deccan College, Pune.
 - The **Department of Economics** offers consultancy service to Panchayat Raj Institutions. They are undertaking social surveys and analysis as per request from such institutions and provide report to them. Dr. K.K. John, HOD of Economics as an analyst of the Central and State budgets, is a regular presence in the media.
 - The Self Help Group (*Kudumbasree*) of Kuravilanganadu Panchayat consulted the **Department of Commerce** to develop the marketing and promotion strategy for their products and Prof. Bobby Simon of the department helped them in this task for the period 2010-2012.
 - The **Department of Biochemistry** offers extraction and isolation of active principle from medicinal plants and evaluation of its biological activity (anti-inflammatory, anti-cancer, anti-atherogenic etc.) in various cell lines to M. Pharm. students.
 - Besides these, many of our faculty members serve different Universities, Public Service Commission etc. as question paper setters.
 - Many of our teachers have been Ph.D./M.Phil theses adjudicators of several universities.
 - Some of our faculty members function as external research guides and supervise the work of research students who have registered outside M G University, Kottayam.
 - All the consultancy services are coordinated by the RACS cell.

3.5.5. What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional

development?

The policy is to divide the income between staff and institution on a fifty-fifty basis. However, major part of the income has been used for purchasing chemicals, upkeep of systems, as well as for paying remuneration for technical staff and contingent workers in the college.

3.6. Extension Activities and Institutional Social Responsibility

3.6.1. How does the institution promote institution-neighbourhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

A host of forums/associations like NSS, NCC, Bhoomithra Sena, Blood Donors Forum, Jesus Youth, Anti-narcotic Cell, Womens Forum, Faculty of Religion and Moral Studies etc. are functioning in the college, all of which are designed to mould good citizenship and service orientation through community network and student engagements. The following are some of the activities in this regard.

- Under the Miss-a-meal project of Jesus Youth, students donate their noon meal packets to the inmates of Maria Sadanam Orphanage, Palai
- Our NSS Unit has adopted 4 L.P. Schools namely Govt. L.P. School Kadayam Palai, Govt. L.P. School Kadanad, Boys Town Pala and Girls Town, Kozhuvanal. NSS volunteers donate books, uniforms, umbrellas etc. to the students and have set up libraries in these schools.
- Every year, NSS volunteers construct roads, play grounds, houses etc in various villages as part of the annual work camps. They also carry out the cleaning of drainages, beautification of campus and nearby streets, planting of trees, waste management etc.
- Under the auspices of the college union, staff and students raised money for the treatment of poor students and their parents.
- Under the leadership of NSS, IGNOU Study Centre and Staff, bed sheets, kids' wear, rice etc were collected and distributed to the inpatients of Govt. Hospital Palai.
- NSS and NCC cadets regularly organize awareness programs for prevention of AIDS, Lifestyle diseases, Cancer and other communicable diseases.
- Members of the Blood Donors Forum and NSS organize blood group detection camps and donate blood to the needy in different hospitals in Kottayam, Idukki and Ernakulam Districts.
- The Bhoomitra Sena celebrates 'Vanamahotsav Week' every year and plant trees in the campus as well as in public places including road sides. They also organize environmental awareness programmes.
- The antinarcotic cell organizes awareness programmes against drug abuse and alcoholism in collaboration with KCBC, Madya Virudha Samithi, Palai Diocese.
- The Faculty of Religion and Moral Studies conducts spiritual enlightenment programmes and moral/value education classes.
- The students of Departments of English and Commerce, and the members of Womens Forum and Jesus Youth visit orphanages and destitute homes during festivals like Onam, Christmas, Bakrid etc. and distribute food, clothes and gifts. They also conduct

competitions and cultural programmes for the inmates.

- 3 solar lamps were given away as Christmas gifts to Mariasadanam orphanage in 2013 by the students of English association.
- The womens forum in collaboration with Vanitha Jagratha Samithi organized awareness programmes against atrocities on women.
- The College Union conducted an awareness programme on Organ Donation and handed over consent letters of more than 400 students to the St. Vincent De Paul Society Palai in January 2013.
- Career guidance and placement cell organizes training, orientation and skill development programmes for the unemployed youth in the region.
- **Visit to Lucken Kudy Muthuvan Tribal Colony:** The final year MSc Botany Students visited Lucken Kudy Tribal colony during 8-10 September 2008. They surveyed the ethnobotanical aspects of the tribes of the 63 houses of the Colony. The students were aided by more than 10 tribal ladies with the supervision of the Kani Krishnan Thatha. The colony is situated in Marayur village of Idukki District. Students climbed about four kilometers through the steep hill to reach the colony. This gave an opportunity to students to understand the livelihood of the tribal people.
- **Save Meenachil River Yathra:** Under the guidance of Botany Association, St. Thomas College, Palai a river trekking programme took place during 5th & 6th February, 2009. It was an adventurous journey along the river Meenachil to make the people aware about the conservation of fresh water rivers of Kerala. A group of 150 people including the students of this department and public belonging to various organizations participated. It was funded by MoEF through National Environmental Awareness Campaign.
- **Sacred Grove Protection Campaign at Kurinji:** The Department of Botany has conducted a Sacred Grove protection campaign at Kurinji Kavu on 20-2-2011. Students of the Department of Botany, Department of Malayalam, and students of Government LP School, Manathoor have participated. The programme was funded by MoEF through NEAC scheme.
- **Field survey at Mangrove forests:** The Department of Botany conducted an extensive field survey at Ayiramthengu (Kollam district) Mangrove forest for making the students aware about the significance of Mangrove forest in maintaining the coastal environment of Kerala in November 2010.
- **Field survey to Shola Forests:** The Department of Botany has conducted a field survey at Meenuliampara (Idukki district) where a different kind of shola forest is formed on the top of rocky hill. The species constitution of the forest is done by the students of PG and UG students of the department of Botany and Biotechnology during this survey. More than 70 students participated in this event. This was financially supported by MoEF through NEAC.
- **Field study at Wildlife Sanctuary:** The department of Botany conducted a field study at Parambikkulam Tiger reserve at the request of the Forest Department. The students of PG and UG students participated in this special extension programme. It included the survey at Karian Shola of the sanctuary. Karian shola is a dry evergreen shola which is unique to this sanctuary. The department of Botany has prepared a checklist of the tree species present in this shola and has submitted to Kerala Forest Department.
- **Field visit at Wild Life Sanctuary:** The department of Botany conducted field survey at Chinnar Wild sanctuary (Idukki district) as a part of the digital documentation of the flora

of the sanctuary. Chinnar wildlife sanctuary is the only sanctuary in Kerala where Dry Deciduous forest is the main vegetation.

3.6.2. What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

- The college prospectus gives information on various Clubs and Forums functioning in the college and the students are encouraged to join at least one among them.
- At the beginning of every academic year, all batches of students are given an orientation programme in which the necessity and importance of involving in various social movements and activities are emphasized. During that occasion, all coordinators of various clubs and forums, address the students and motivate them to join these.
- Through the mentors of each class, the IQAC ensures that each student is an active member of NCC/NSS/Clubs/Forums functioning in the college.
- The college channelizes student involvement through various clubs and associations such as NCC, NSS, College Union, Jesus Youth, Departmental Associations, Alumni Association, etc. in collaboration with NGOs and other Govt. agencies.
- The college has a very active Faculty of Religion and Moral Studies for inculcating noble values among students.
- Attractive prizes are given by PTA to students who excel in social service activities.

3.6.3. How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- PTA meetings and class-wise 'Meet the Parents' programmes are regularly conducted and suggestions of parents are seriously considered for further improvement.
- Feedback is collected regularly from students and alumni on different occasions.
- Being an institution with more than 60 years of legacy, the college always gets feedback from various stakeholders.
- Being in constant touch with local bodies and community, the college also respects feedback from them.

3.6.4. How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

- **NISCAIR Book Exhibition:** An exhibition of popular science books and magazines was organized during 4-6 September 2011 in collaboration with National Institute of Science Communication And Information Resources, a publication division of CSIR, New Delhi.
- **Science Expo 2012:** In the exhibition entitled Science Expo 2012 held in connection with the Kerala Science Congress organized by KSCSTE at Kottayam during 28-31 January 2012, the college set up a stall detailing the plant diversity of Kerala.
- **Cynosure 2012:** The RACS cell of the college participated in the science and technology exhibition entitled Cynosure 2012 held during 9-11 February 2012 at SJCT Palai by putting up a stall which displayed some magic in chemistry and interesting physics experiments.
- **Public Discussion on Union Budget:** A discussion on union budget 2012-13 for the public was organized by the college in association with Mathrubhumi Daily on 21 March 2012. Dr Alwin Prakash, Chairman of Kerala State Expenditure Commission was the chief resource person. An intercollegiate budget analysis competition for college

students was also conducted on the same day.

- **Chemquest 2011:** The Department of Chemistry organized student scientific awareness camps, lab sessions, hands-on sessions with spectroscopic and chromatographical equipments for the benefit of school students of the neighborhood, especially Kottayam District during 5-8 September 2011. About 200 students participated in these programmes. These programmes were mainly organized in collaboration with CSIR, New Delhi. The expense was shared by the college and CSIR.
- A **Cancer Awareness Programme and Medical Camp** was conducted by the college in collaboration with Lions Club of Palai on 13 January 2013. Dr P V Gangadharan, Chief Oncologist, Lakeshore Hospital Kochi was the main consultant.
- Department of Commerce has developed the **Marketing and Finance Strategy** for Self Help Group (Kudumbasree) of Kuravilangadu Panchayathu under the leadership of Prof. Bobby Simon for the period, 2010-2012.
- English Department organized the **Future Makers** programme for the students of standard VI to XII, during 1-3 May, 2009.
- **Homoeo Project:** The Homeo Department of the Kottayam and Idukki Districts envisaged a project named “Jyothirgamaya” meant for identifying and treating students showing behavioural problems in schools. The Department of Statistics collaborated in this project by providing consultancy in the implementation of the project and carrying out the data analysis as well as framing the findings.
- **Census Activities:** Dr. Joy Jacob and Dr Seemon Thomas of the Department of Statistics served as Master Trainees for the 2011 Census. Dr. Seemon Thomas was also the master trainer in the Caste Census of Kerala held in 2013.
- **Coconut Survey:** At the behest of the Coconut Development Board of India, The department of Statistics carried out surveys in 2012 and 2013 for the estimation and production of coconuts in Kottayam District. Dr. Joy Jacob was the district coordinator. The field work was carried out by the final year BA Economics students.
- The department of Botany conducts **Photo Exhibitions on Plant Diversity** of Kerala at various venues like National and International seminars/workshops, expos, exhibitions, Food and Agricultural exhibitions, Tourism events etc. This exhibition includes more than 1000 photos of endemic flowering plants of Kerala arranged in a systematic way. So far it has been held at more than 20 places such as Indian Association of Angiosperm Taxonomy International Seminar- Coimbatore; Bharathiyar University, Coimbatore; SAICON, Coimbatore; Little Flower College, Guruvayur; Konkanad Arts and Science College, Coimbatore; KFRI, Thrissur etc.
- The Department of Botany conducted a **Photo-Documentation** of the Bio-diversity of Kerala during Kerala Agri-Horti fest at Kottayam during 7-11 September 2008. The fest was conducted by the Kerala State Agricultural Department.
- **Lab Visit and Science Experience Workshop for Plus two students:** Department of Botany conducts workshops for Plus Two students for experiencing the new approaches of science research and arranges a lab visit every year.
- **Study on Chikungunya Epidemic:** The Chikungunya that affected one third of the population of Kerala state took a heavy toll of more than 350 lives in 2009. As it was unnoticed or less carefully managed, it suddenly became an issue beyond control of our government because both the Allopathic and Ayurvedic treatments failed in controlling this outbreak. In this context the Department of Botany with the financial support from

the Department of Science and Technology (DST-SS), New Delhi, searched among the traditional practices in preventing the spread of viral diseases like chicken pox, viral fever, small pox, etc. and came out with some applications using locally available herbs. They were tested and found successful in preventing the spread of Chikungunya. The information was disseminated to the public through TV channels and newspapers. With a few exceptions the treatment was found successful for more than 3 lakhs of people.

- **DST Group Monitoring Workshop:** The department of Physics conducted Group Monitoring Workshop (GMW) of DST, Govt. of India, on Fast Track Proposals for Young Scientists in Physics & Mathematical Sciences during 18-19 March 2010.
- **Ozone day celebration:** The department of Physics conducted “Ozone Day Celebration” on 23-9-2010, sponsored by KSCSTE, Govt. of Kerala.
- **Five-day workshop:** The department of Physics conducted Five day workshop on electronic instrumentation maintenance for college teachers and technicians in colleges in South India, under the joint leadership of our department and Western Regional Instrumentation Center (WRIC), Mumbai, a subsidiary of UGC, in June 2011.
- **Science Academy’s Refresher course:** The department of Physics conducted a Refresher course in Condensed Matter Physics for college teachers in South India under the joint sponsorship of Indian Science Academies in August, 2011.
- **Science Acquaintance program:** The department of Physics conducted Acquaintance program for college teachers and researchers in South India on 12 – 12 - 2011.
- The department of Physics conducted **Workshop on Computer Aided Experiments** for college teachers in South India supported by IUAC on 13 – 12 – 2011.
- **Job Oriented Diploma Course:** Dr. Ison V Vanchipurackal (Department of Physics) coordinated the St. Thomas College – KELTRON job oriented Diploma Course in NETWORK ENGINEERING during 2010-11 and students across the state underwent the training successfully. The college received a sum of about 1.5 lakhs in this regard as the host-institution share.
- **DST PAC Meeting:** The department of Physics hosted the DST-PAC Meeting on Lasers, Optics, Atomic and Molecular Physics during 2-3 September 2011.
- The Department of Economics conducted a **Health Survey** in Meenachil taluk to explore the incidence of lifestyle diseases in our locality during December 2013.
- The Physics Association has designed, developed and hosted a Website **www.stcphysicspala.org** to house all the activities of the department. The website provides details about state and national competitive examinations, their previous year question papers, details of university examinations and their previous year question papers, details of alumni etc. and these details are open to the public at large. It is envisaged as an open forum where students from anywhere and in any level can interact with teachers of the Physics department and make use of their expertise.
- **AIR Radio Talks:** Dr. Jomy Augustine (Department of Botany) has delivered the following radio talks during the last five years:
 - *Forests and Plant Diversity of Kerala* on 15-6-2008 at AIR Thiruvananthapuram
 - *Global Warming and the role of forests* on 3-04-09 at AIR Thiruvananthapuram
 - *Flat culture and Environment* on 18-01-2010 at AIR Thiruvananthapuram
 - *Role of forest in Biodiversity conservation* on 15-6-2011 at AIR Thiruvananthapuram

List of important extension activities undertaken by NSS during 2010-2011

1. The World Environment Day was observed on 5th June 2010 with the cleaning of the campus premises and planting of tree saplings in and around the campus.
2. To create awareness about the hazards of alcohol, tobacco and pan masala, among students and people around, the NSS unit observed anti narcotic day on 26th June 2010.
3. Due to our concern for the underprivileged, NSS unit distributed uniform cloths to poor students in Govt. L.P. School, Pala and Govt. L.P. School, Kadanad on 29th June 2010 and on 31st June 2010 respectively.
4. Vana Mahotsava Week Celebrations during July1-7 with planting of tree saplings in and around the college campus, enlightened students and public on the preservation of environment.
5. International Literacy week and world population day were observed with poster and paper presentations, invited talks, etc. for the benefit of the people around on the respective days.
6. On 24th July 2010, NSS volunteers of this college cleaned the premises of Pala Civil Station, Sub Treasury and Sub Court and it helped engender a civic sense of social concern in our students and the public at large.
7. NSS unit of our college has adopted Uzhavoor Grama Panchayat as a partner and our volunteers conducted a socio-economic health survey at Uzhavoor during a seven day special camp at O.L.L. High School, Uzhavoor from 20 to 26th August 2010.
8. Our NSS unit has conducted a Palliative Survey at the Pala Municipality, in association with Kizhathadiyoor Co-operative Bank, Pala which owns a palliative care unit.
9. The Exhibition of Gandhi Photos on 4th October was our way of paying tribute to the Father of the Nation.
10. A camp for NSS volunteer secretaries under MG University Kottayam was organised in the college from 8-10 October 2010.
11. International Mental Health Week was observed with a visit to Maria Sadanam Rehabilitation Centre. It was an experience to cherish both for the students and the inmates.
12. Soft skill development camp was held on 15th October 2010 for our students to better equip them to interact and communicate with the people in the society.
13. To enlighten our students about food security and to generate respect for farming among the people around, our NSS unit conducted a paddy farming experiment in Mutholy Panchayat.
14. To show our concern for the poor and to give community service experience to our students a house was constructed by the NSS unit at Kocheri for a poor man named Akhil Babu.
15. To enlighten children about the importance of tooth care, seminars were conducted with the help of dental experts in Gov. L.P. School Aimcomb and St. Mathews L.P. School, Kadanadu on 15th November 2010.
16. A KSTP road users' survey was undertaken to collect the stakeholders' feelings on 27th October 2010.
17. AIDS day was observed in Pala town to create AIDS awareness and the ways of tackling the menace, in association with Marian Nursing College, Pala on 1st December 2010.
18. A Disaster Management Seminar in association with MG University was organised to promote the spirit of voluntary service on 4th December 2010.
19. A Waste Management Survey was conducted for Kadanadu Panchayatu on 18th December

2010.

20. A seminar on Road Safety in association with Road Transport Authorities was conducted on 6th January 2011.
21. The Anti-narcotic day was observed on 7th January 2011 to make the youngsters aware of the problems caused by the use of drugs and alcohol.
22. A Legal Awareness Programme was conducted on 15th January 2011 to give legal literacy to our students and people.
23. To create the habit of saving among students and the public, a student deposit scheme has been opened at SIB Ltd. situated in the campus.
24. Three day inter collegiate leadership camp was held in the campus during 21-23 January 2011 to make them better citizens and leaders.
25. A dental treatment camp to help the poor children was held in Girls Town Orphanage, Kozhuvanal on 15th February 2011.
26. The NSS volunteers contributed a large number of books to the library at Girls Town Orphanage, Kozhuvanal.
27. Our volunteers assisted National Pulse Polio Vaccination Mission on 27th February 2011.
28. Balamela was organised in our partner school, Govt. L.P. School, Pala on 5th March 2011 for nurturing the talents and skills of children.
29. Eye donation camp was organized in the college on 11th March 2011 and consent letters were obtained from students.

List of important extension activities undertaken by the NSS during 2011-2012

1. As a part of the community partnership programmes the NSS unit collected money from various sources and distributed uniform to entire students of Kadanadu Govt. L P School and the Ist and IInd standard students of Govt L P School Kadayam, Palai.
2. As part of creating awareness on environmental protection we conducted tree planting during Vana Mahothsav Week, 1-7 July. Smt Manikutty Santhosh SCC, Kadanadu Grama Panchayathu distributed saplings of fruit trees to entire students of Govt. L P school, Kadanadu and a large number of saplings were planted in Kadanadu Panchayathu.
3. The college observed peace day on Hiroshima Day (6th August) and Dr. Vincent Mathew from Central University of Kerala delivered the peace message.
4. In order to develop competence for group living and sharing responsibilities we conducted a two day camp on 19-20 August.
5. NSS volunteers celebrated days like Sadbhavana Day (August 20th), NSS Day (September 29th) Water conservation Day (March 22nd) etc. to enlighten the students on issues related to such days.
6. A Creative Forum is working under the leadership of the NSS unit for nourishing the soft skills of volunteers and they have published a manuscript magazine, 'Spandhanam 2012' to nourish the creativity of volunteers.
7. Another forum under the NSS is Blood Donation Forum. Every year we conduct blood grouping of volunteers in collaboration with Medical College Kottayam.
8. The NSS conducted a blood donation camp with the help of Medical College, Kottayam on 21st January. This year about 118 students donated blood at different hospitals in Kottayam district.
9. The NSS unit conducted a rally from college to Palai private bus stand to create a general awareness against AIDS.
10. NSS conducted a seven day camp at Kristhujyothi School, Kayyoor during 2-8

September. The important tasks undertaken were, reconstruction of Kayyoor- Ullanadu mud road, cleaning of KR School premises, tree planting at school premises, making Garbage pits, awareness building on cleanliness, campaigns against the use of plastic carry bags and drugs.

11. NSS unit conducted a three day inter-collegiate camp on 'Clean Earth'. 106 students from 37 different colleges participated in the camp which started on 17th February.

List of important extension activities undertaken by the NSS during 2012-13

1. An Anti Narcotic Rally by our students was held on 25th June 2012.
2. Play ground, Garbage pits, and storage pits were constructed for Neeloor, St. Joseph's LP School during a special camp there from 24 -30th August 2012. Trees were planted in the School Premises. Orientation classes for Bee Keeping and Crisis Management were held for the students and people in the locality.
3. To enlighten our students and people about the importance of cleanliness NSS organized cleaning campaigns in Palai Municipality on 18th August 2012 and on 2nd February 2013
4. A Seminar on Human Rights was organized for the students and the public on 2nd February 2013.
5. A Seminar on Energy Conservation was organized for the students and public on 10th December 2012.
6. 'Nadi Dinam' was celebrated on 2nd March 2013 and a seminar on River Conservation was organized for the students and the public.
7. Seminar on Legal Literacy was held on 17th December 2013 with the help of Dist. Sessions Sub Judge and Pala Bar Association for the students and the public.
8. A blood donation campaign was organized in Kottayam medical college on 19th February 2013
9. Library of Govt. L P School Kadayam, Palai was enriched by the contribution of a number of books collected through a Book Donation Campaign on 6th February 2013.
10. To enrich the students and the public with Moral Values, a 'Moolya Bodhavalkaranam' seminar was organized on 4 February 2013 with the help of Pala Municipality and External Experts.
11. In association with Kerala State Health department, an awareness programme entitled 'Girl Child' was organized on 11 February 2013 for the students and the public.
12. An Intercollegiate Youth Camp was organized in association with M G University Kottayam on 22 – 24th March 2013 to make them better leaders.
13. ASAP recruitment and training programs were held on 4 & 28 February 2013.

List of important extension activities undertaken by the NSS during 2013-14

1. Observed Environment Day on June 5th 2013 with tree planting in the campus and the surroundings.
2. A Seminar on Light Pollution was conducted on 13th June 2013
3. Conducted Drinking Water Purification Programme in Pala Municipality on 20th June 2013.
4. Observed World Population day on 12 July and a Malala Solidarity Day for World Peace on 2 August.
5. District Level Youth Day was celebrated on 13th August 2013 with a seminar on the Teachings of Swami Vivekananda and Distributed 600 books on Swami Vivekananda's messages.

6. A Nature study camp was conducted during 5-7 September.
7. Organized a Seven day camp at Kollappilly during 13th to 19th September 2013 in collaboration with Sandhya Social Service Society Palai and constructed a house for a poor family. During the camp, onam was celebrated with villagers. There were many cultural programmes.
8. Meenachil river campaign “Meenachil Punarjeevani” and a Blood donation programme were undertaken on 2 October 2013.
9. As part of the AIDS day observation on December 2, an Awareness Seminar and rally, a Blood Group Testing and a Blood Donation camp were organized in collaboration with District Medical Office, Hospitals, Nursing Schools and NGOs.
10. As part of the newyear celebrations, NSS volunteers visited Mariasadanam and distributed clothes and gifts to the inmates on 1st January.
11. A Disaster Management Seminar was organized on 31 January 2014.
12. Conducted a Seminar on Positive Thinking on 20th February 2014.
13. A First Aid and Road Safety seminar was organized on 26th February 2014.
14. The volunteers participated in the Anniversary celebrations of Kadayam LP School and distributed notebooks and gifts to students on 4th March 2014.

Extension Activities of NCC

We have both Army and Naval Units of NCC which is the largest NCC unit in 17 Kerala Battalion. In addition to the various routine camps and training programmes our NCC units are conducting services to charitable institutions in and around our place to create social awareness among our students and people. The units often conduct public traffic awareness programmes, afforestation programmes, public health awareness programmes, trekking expeditions, rifle trainings, special training for map reading, and disaster management programmes. Every year the NCC units of our college conduct Anti-Drug Abuse and Illicit Trafficking Seminar and Rally to enlighten the public and the youth. Students in our NCC unit are in the forefront to extend a helping hand to the under privileged as is clear from building a volley ball court for Snehagiri School for mentally disabled at Edappady, Palai in 2011. NCC Army Wing conducts an inter-collegiate NCC Quiz Competition EXPEDITIO every year.

IGNOU Study Centre

A study centre of Indira Gandhi National Open University started functioning in the college in the year 2004. The centre was recognised as a Partner Institution of the university under its Convergence Scheme in 2007 with a financial assistance of Rs. 7 lakhs. The centre added to its infrastructure a lab with nine computers, one laptop, printing machine, LCD projector, Internet connectivity, etc. The centre is envisaged to utilise the idle and surplus resources of the college for the betterment of the society. B.Com. programme is offered both under distance mode and regular mode. The centre offers educational opportunities to people from different walks of life including housewives, businessmen, employees, entrepreneurs, students of other courses and institutions, etc.

Blood Donors Forum

To inculcate deep love and social concern among our students, a very active blood donors forum (in addition to the blood donation activity of NSS) is working in our college. For the last six years our students have shown their social commitment by donating 786 units (1 unit $\approx$ 350 ml.) of blood to the poor, helpless and needy patients admitted to different hospitals.

Details of blood donated during 2008-2014

Year	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	Total

3.6.6. Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

1. **Visit to Lucken Kudy Muthuvan Tribal Colony:** The final year MSc Botany Students visited Lucken Kudy Tribal colony during 8-10 September 2008. They surveyed the ethnobotanical aspects of the tribes of the 63 houses of the Colony. The students were aided by more than 10 tribal ladies with the supervision of the Kani Krishnan Thatha. The colony is situated in Marayur village of Idukki District. Students climbed about four kilometers through the steep hill to reach the colony. Krishnan Thatha shared his wildlife experiences in Eravikulam National Park. Dr. Jomy Augustine assisted the students during the programme.
2. **Field survey at Mangrove forests:** Department of Botany conducted an extensive field survey at Ayiramthengu (Kollam district) Mangrove forest for making the students aware of the significance of Mangrove forest in maintaining the coastal environment of Kerala in November 2010.
3. **Field survey to Shola Forests:** The Department of Botany has conducted a field survey at Meenuliampara (Idukki district) where a different kind of shola forest is formed on the top of a rocky hill. The species constitution of the forest is done by the students of PG and UG students of the department of Botany and Biotechnology during this survey. More than 70 students participated in this event. This was financially supported by MoEF through NEAC.
4. **Field Study at Wildlife Sanctuary:** The department of Botany conducted a field study at Parambikkulam Tiger reserve at the behest of the forest department. The students of PG and UG students participated in this special extension programme. It included the survey at Karian Shola of the sanctuary. Karian shola is a dry evergreen shola which is unique to this sanctuary. The Department of Botany has prepared a checklist of the tree species present in this shola and has submitted to Kerala Forest Department.
5. **Field Visit at Wild Life Sanctuary:** The department of Botany conducted field survey at Chinnar Wild sanctuary (Idukki district) as a part of the digital documentation of the flora of the sanctuary. Chinnar wildlife sanctuary is the only sanctuary in Kerala where Dry Deciduous forest is the main vegetation.
6. The Department of Economics has conducted a **Health Survey of Meenachil Taluk** to understand the prevalence of lifestyle diseases in and around Palai.
7. The NSS unit of our college with Uzhavoor Grama Panchayat as a partner conducted a **socio-economic health survey** at Uzhavoor during a seven day special camp at O.L.L. High School, Uzhavoor from 20 to 26th August 2010.
8. Our NSS unit has conducted a **Palliative Survey** at the Palai Municipality, in association with Kizhathadiyoor Co-operative Bank, Pala, which runs palliative care service, in the region.
9. The Department of Statistics conducted a statistical study on the **Contributing Factors of Human Development** in the case of Scheduled Tribes in Kottayam and Idukki Districts during 2009-11 and the report and findings were submitted to the UGC. Dr Joy Jacob was the PI.
10. Our NSS unit has adopted Govt. L P School Kadayam, Govt. L P School Aimkombu, St. Mathews L P School Kadanad, Boys Town L P School Parumalakkunnu and Girls Town School Kozhuvanal since 2008. The volunteers distribute umbrellas, uniforms, books etc.

to the students every year. They also developed libraries at these schools by contributing new books every year. In addition to medical camps, programmes on Health and Hygiene, Good Habits, etc. are also organized to empower the underprivileged students.

11. The college and alumni association have instituted various scholarships (Refer item 5.1.2) and offer fee concession on the basis of merit-cum-means to poor students.

12. Using the Poor Students Fund, free noon meals and books are provided to the needy students from the under-privileged and vulnerable sections of society.

3.6.7. Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

- The college conducts socio-economic and health surveys through which students become aware of the problems faced by the society even as they become familiar with data collection, interpretation, analysis and preparation of reports.
- The NSS promotes social awareness and commitment among students.
- NCC promotes discipline and responsible citizenship as well as leadership qualities.
- Career and Placement Cell ensures overall personality development and proper soft skills acquisition to meet the challenges of modern job market.
- Jesus Youth promotes charity and concern for the poor and marginalized section of the society.
- Blood Donors Forum inculcates the noble value of saving lives through blood donation.
- The College Computer Centre provides opportunities to students to acquaint themselves with modern web resources for learning. It also provides online facilities, software for computing and data analysis, etc.

3.6.8. How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- Outreach activities are planned and organized in collaboration with Local Self Govts/ NGOs/Govt Departments etc.
- Through the many surveys/census undertaken, the college identifies the problems of the society and it, hence is in a position to contribute significantly to its development.
- Most of the extension/outreach activities have been inaugurated by political/religious and social leaders and implemented with their full involvement.
- The participation of local people is ensured in the NSS work camps and other programmes.

3.6.9. Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- Leading banks such as, SBI, SBT, The South Indian Bank Ltd., The Federal Bank Ltd., etc. have been kind enough to sponsor our various outreach and extension activities.
- The college has established tie-up with the Kizhathadiyoor Service Cooperative Bank Ltd., Pala for training and project works of UG and PG students in the Dept. of Commerce.
- Besides, the college enjoys good support and co-operation from Marian Medical Centre Palai, Taluk Govt. Hospital Palai, Medical College Kottayam etc. in the successful conduct of medical camps, blood donation etc.

- The college now gets significant amount of sponsorships from a host of sponsors and benefactors.
- The college commands wide support from the press and the media, at a large.
- In connection with the Vocational Programmes, the college has engaged in tie-ups with local industries like, IPSR Solutions Kottayam, Anns Food Products, Palai, Fruitomans Cochin etc.

3.6.10. Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

- The National Service Scheme unit of the College was selected as the Best N.S.S. Unit among colleges affiliated to M.G. University for the academic year 2011-12. Prof. Thankachan Augustine, Dept. of Mathematics has won the Best N.S.S. Programme Officer Award during 2011-12. Our Principal was given certificate of appreciation as the best promoter of the activities of NSS in 2011-12.
- Prof. Cherian Vadakkekunnel has won award for Best Trainer by UK based NLP Training Institute in 2009.
- Dr Sabu De Mathew serves the Chalachithra Kalasamithi Palai as the President. He is also a governing body member of the de-addiction centre, TRADA Kottayam.
- Our college won the Best Blood Donor Award of the District Collector in 2012.
- Dr K K Jose, former Principal is the President of St. Vincent De Paul Society, Palai Central Council.

3.7. Collaboration

3.7.1. How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The college promotes collaboration and interaction for research activities with research laboratories and reputed institutes through exchange programmes, participation in conferences/ seminars/workshops/training programmes/refresher courses/summer institutes, etc. For example:

- The college was privileged to benefit from the research expertise and teaching experience of a Nehru Fulbright Scholar Prof. Dr. Michael Warren Sonnlitenier, Chair of Peace and Conflict Studies of Portland Community College, Oregon, USA for six months during 2009-10.
- Dr. Stany Thomas, Dept. of Politics was selected for the Nehru-Fulbright Scholarship Programme and served as a faculty of Portland Community College, Oregon, USA from August 2011 to December 2011.
- Dr. Dennis Thomas, Dept. of Botany secured BOYSCAST fellowship of DST and completed one year Postdoctoral Training with Prof. Erhard Kranz at the Department of Applied Plant Molecular Biology, University of Hamburg, Germany in 2007-08. During his stay in Germany, Dr. Dennis specialized in 'in vitro fertilization with isolated

gametes in maize and *Brachypodium*'. During 2011 he visited Hokkaido University, Japan and spent three months there for collaborative research. Dr. Dennis has collaboration with Prof. Adam Matkowski, Department of Pharmaceutical biology and Botany, University of Wroclaw, Poland.

- Ms. Sweetymol Jose, Research Scholar in the Department of Botany participated in the GCOE-INeT International Summer School at Hokkaido University, Japan during 22 June to 4 July 2012.
- Dr. Jose T Puthur, Dept. of Botany secured BOYSCAST fellowship of DST and completed one year Postdoctoral Training at Institute of Plant Biology, Biological research centre, Hungarian Academy of Sciences, Szeged, Hungary in 2007-08.
- Dr. Vincent Mathew, Dept. of Physics has successfully completed the INSA-HAS exchange programme during 2007. He worked on the topic 'Quantum optics' jointly with Prof. Sergie V. Kukhelovski at the University of Pecs, Hungary.
- Ms. Jesly Jacob and Ms. Anchu Babu, Research Scholars in Physics participated in the Winter College on their area of research: "Advances in Nano-Optics and Plasmonics" held at ICTP Italy, from 30 January to 17 February 2012.
- Dr. Ison V. Vanchipurackal has research collaboration with the Centre for Nanoscience and Engineering of IISc Bangalore through the INUP (Indian Nanoelectronics Users Programme) of the Department of Information Technology, Government of India. Research work based on Organic Solar cells is going on and a paper has been published recently. Through this programme, two of our research students are utilizing the facilities of IISc Bangalore.
- Dr. J. C. Pivin CSNSM, Batiment, Orsay Campus, France visited our college for a week during June 2012 and interacted with our research scholars.
- Haritha Babu V R, I MSc Maths underwent Summer Research Fellowship under the guidance of Dr K S Mallikarjuna Rao at IIT Mumbai during 2 April to 28 May 2014.
- Ajith Thomas and Anju Elsa Tom, Research Scholars in Physics participated in the Familiarization Workshop on Nanofabrication Technologies and Hands on training on Photovoltaics held at IISc Bangalore during April, June and November 2012.

3.7.2. Provide details on the MoUs/ collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

- Dr. Dennis Thomas of Department of Botany has collaboration with University of Hokkaido, Japan as part of DST-JSPS, an Indo-Japanese research project.
- Dr. Dennis Thomas has signed a MoU with Coconut Development Board, Government of India for a research project.
- Dr. Ison V. Vanchipurackal has research collaboration with the Centre for Nanoscience and Engineering of IISc Bangalore through the INUP (Indian Nanoelectronics Users Programme) of the Department of Information Technology, Government of India. Research work based on Organic Solar cells is going on and a paper has been published recently. Though this programme, two of our research students are utilizing the facilities of IISc Bangalore.
- Dr. Jomy Augustine, Dept. of Botany has executed a MoU with Kerala Forest Department on Biodiversity Documentation. As a result, many educational CDs and Records on Plant Diversity of Kerala were produced.

- The college has executed an MoU with KELTRON, Govt. of Kerala for offering training programmes in computer networking and software development. This has helped the college to modernize a research lab in the Department of Physics.
- The college has entered into an MoU with the Department of Higher Education, Govt. of Kerala for offering skill development programmes under the ASAP. Under this programme 78 of our students were selected as Skill Development Executives (SDE) in 2012-13 and 88 in 2013-14.
- The Dept. of Statistics has signed MoUs with Regional Cancer Centre, Thiruvananthapuram and Christian Medical College Vellore for training and project works of MSc Biostatistics students. We also have collaboration with PSG Medical College, Coimbatore, Manipal University Udumputur and Amrita Institute of Medical Sciences Kochi. This resulted in publishing more than 13 research papers in reputed national/international journals during the last 5 years.
- In addition to these, we are having collaborative arrangements with the following organizations such as, Indian Institute of Science, Bangalore; IIIT, Trivandrum; IISER, Trivandrum; STIC(DST) CUSAT Cochin; IIRBS, Mahatma Gandhi University, Kottayam; School of Chemical Sciences, Mahatma Gandhi University, Kottayam; Centre for Nanoscience, Mahatma Gandhi University, Kottayam. Many of our research faculties and students are making use of facilities in these institutes.
- The college has signed an MoU with the Coconut Development Board, Govt. of India in connection with the major research project “Value added formulation of Ayurvedic drug Ksheerabala by using Virgin Coconut Oil and its Therapeutic effects on Arthritis”. As part of this a biochemistry lab with cell-culture room has been set up.
- The St. Thomas Society for Science and Religion functioning in the college has entered into an MoU with The Indian Institute of Science and Religion, Pune for supporting all its activities towards science and religion dialogue.

3.7.3. Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

- Two leading scheduled banks namely, The South Indian Bank Ltd. and The Federal Bank Ltd. have started campus placement since 2008. (Refer item 5.1.9 for details). This led to the establishment of a well-developed Bank Test Coaching Centre in the Campus in 2010. From this centre more than 100 students have been getting placement in leading banks annually. Details of students’ placement are given in the following table.

Name of Bank	No. of Students Recruited in the year											
	2008-09		2009-10		2010-11		2011-12		2012-13		2013-14	
	Clerk	Officer	Clerk	Officer	Clerk	Officer	Clerk	Officer	Clerk	Officer	Clerk	Officer
SBI & Associate Banks	11	2	16	2	18	4	15	3	17	5	23	6
Other Public Sector Banks	9	3	11	6	12	3	11	6	11	8	9	14

Private Sector Banks	8	5	12	4	13	5	14	5	12	5	13	8
RRBs	-	-	2	-	3	1	2	3	4	3	3	3
Total No. of Recruits	28	10	41	12	46	13	42	17	44	21	48	31
No. of students admitted	160		226		236		242		230		310	
Pass %	23.75		23.45		25		24.3		28.26		25.48	

- The research collaboration of Dr. Ison V. Vanchipurackal with IISER Trivandrum has helped in the setting up of the Interdisciplinary Research Centre “Centre for nano-bio-polymer science and technology” at St. Thomas College, Pala.
- The collaboration with MG University Library has resulted in online access of numerous books and journals to our students and faculty.
- The collaborations with experts have led to the publication of more than fifty research papers in reputed national/international journals during the last 5 years.
- The Biostatistics PG students are doing their project works at RCC Thiruvananthapuram and CMC Vellore as a result of collaborations.
- The collaboration with Coconut Development Board, Govt. of India resulted in getting approval of a major project for developing high quality coconut seedlings which in turn would help in the purchase of new equipments in the lab.
- Also, collaboration with the Coconut Development Board, Govt. of India in connection with a major research project by Dr Ratheesh M has led to the development of a research lab in Biochemistry with cell-culture room.
- The collaboration with Kizhathadiyoor Service Cooperative Bank Ltd., Pala has resulted in the provision for training and project works for UG and PG students in the Dept. of Commerce.
- The establishment of the Convergence Scheme of IGNOU has led to the development of a new computer lab in the college.

3.7.4. Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Sl. No.	Eminent Scientists/ Experts	Title of the Programme	Dates
Under the auspices of the Department of Statistics			
1	Dr Bovas Abraham, Professor, University of Waterloo, Canada.	International Conference on Mathematical Sciences	January 3-5 2011
2	Dr. P.K. Sen, Professor, Biostatistics, University of North Carolina, USA	International Conference on Mathematical Sciences	January 3-5 2011
3	Dr. K.K Suresh, Head, Dept of Statistics, Bharathiyar University, Coimbatore.	International Conference on Mathematical Sciences	January 3-5 2011
4	Dr. R. N Rattihalli,	International Conference on	January 3-5

	Dept of Statistics, University of Botswana, Gaborone	Mathematical Sciences	2011
5	Dr. Srikanth Bangdiwala, Uty. of North Carolina, USA	International conference on Epidemiology	16-18 August 2012
6	Dr. Prema Menez, University of North Carolina, USA	International conference on Epidemiology	16-18 August 2012
7	Dr. A Lawrence Gould, Biostatistician, Merck Research Laboratories, U.S.A.	International conference on Epidemiology	16-18 August 2012
8	Dr Jeyaseelan L, Head, Dept. of Biostatistics, CMC Vellore.	International conference on Epidemiology	16-18 August 2012
9	Dr. K.R. Sundaram, Professor of Biostatistics, Amrita Institute of Medical Sciences, Kochi	International conference on Epidemiology	16-18 August 2012
10	Dr. Anil C. Mathew, Profess or of Biostatistics, PSG Institute of MedicalSciences, Coimbatore.	International conference on Epidemiology	16-18 August 2012
11	Gijo E.V, ISI, Bangalore	Three- Day Workshop on Applications of Statistics in Industry, Business and Ecology	26-28 March 2011
12	Dr. Ramanathan, Dept of Statistics, Pune University	Three- Day Workshop on Applications of Statistics in Industry, Business and Ecology	26-28 March 2011
13	Dr. Vijay Nair, Vice-President of the International Statistical Institute	Three- Day Workshop on Applications of Statistics in Industry, Business and Ecology	26-28 March 2011
14	Dr. Anil Gore, Statistical Consultant, Pune	Three- Day Workshop on Applications of Statistics in Industry, Business and Ecology	26-28 March 2011
15	Professor S.R Deshmukh Pune University	UGC-sponsored National Workshop on Bayesian Statistics and MCMC methods using Open BUGS and R	June 26-30 2009
16	Professor S.K. Upadhayay, Benarus Hindu University	-do-	June 26-30 2009
17	Dr. Uma Padmini, Tata Consultancy Services, Mumbai.	Workshop on Clinical Data Analysis using SAS	31 July- 2 August 2008
18	Professor B.V. Rao, Chennai Mathematical Institute	National Seminar on Statistics and its applications	15- 16 March 2013
19	Professor (Rtd.) M. B. Rajarshi, University of Pune.	National Seminar on Statistics and its applications	15- 16 March 2013
20	Professor R.Vasudeva, Dept. of Statistics, University of Mysore.	National Seminar on Statistics and its applications.	15- 16 March 2013
21	Professor B.Rajeev, ISI, Bangalore.	National Seminar on Statistics and its applications.	15- 16 March 2013

22	Hans J Haubold, United Nations Space Division, Vienna	International Conference on Mathematical Sciences	January 3-5 2011
23	Professor Constantino Tsallis, Department of Theoretical Physics, Brazil	International Conference on Mathematical Sciences	January 3-5 2011
24	Dr. Gagandeep Kang, Christian Medical College, Vellore	International conference on Epidemiology	16-18 August 2012
25	Dr. Elena N. Naumova, Tufts University, USA	International conference on Epidemiology	16-18 August 2012
26	James Griffin, Dept. of Mathematics, Uty. of Sharjah	International Conference on Mathematical Sciences	January 3-5 2011
27	Rudolf Gorenflo, Free University, Berlin, Germany	International Conference on Mathematical Sciences	January 3-5 2011
28	Francesco Mainardi, University of Bologna, Italy	International Conference on Mathematical Sciences	January 3-5 2011
29	Serge B. Provost, Dept. of Statistical and Actuarial Sciences, University of Western Ontario, Canada	International Conference on Mathematical Sciences	January 3-5 2011
30	A.M.Mathai, Emeritus Professor, McGill University, Canada	International Conference on Mathematical Sciences	January 3-5 2011
31	Samaradasa Weerahandi Pfizer, Inc.235, New York, USA	International Conference on Mathematical Sciences	January 3-5 2011
32	Viktor Witkovsky, Institute of Measurement Science, Slovak Academy of Sciences, Slovakia	International Conference on Mathematical Sciences	January 3-5 2011
33	Ionut Bebu, Georgetown University, USA	International Conference on Mathematical Sciences	January 3-5 2011
34	Daniel. W. Lozier, Applied and Computational Mathematics Division, National Institute of Standards and Technology, Gaithersburg, Maryland, USA	International Conference on Mathematical Sciences	January 3-5 2011
35	Raghu N. Kackar National Institute of Standards and Technology, Gaithersburg, Maryland, USA	International Conference on Mathematical Sciences	January 3-5 2011
36	Guido Knapp TU Dortmund University Germany	International Conference on Mathematical Sciences	January 3-5 2011
37	Francoise Seiller-Moiseiwitsch Dept. of Preventive Medicine and Biometrics,	International Conference on Mathematical Sciences	January 3-5 2011

	Maryland, USA		
38	Ravi Khattree Senior Research Scientist, Radiation Effects Research Foundation, Hiroshima, Japan	International Conference on Mathematical Sciences	January 3-5 2011
39	Thomas Mathew Dept. of Mathematics and Statistics, University of Maryland, USA	International Conference on Mathematical Sciences	January 3-5 2011
40	K.S. Madhava Rao Dept of Statistics, University of Botswana, Gaborone	International Conference on Mathematical Sciences	January 3-5 2011
41	Takuya Yamano Dept. of Information Sciences, Kanagawa University, Japan	International Conference on Mathematical Sciences	January 3-5 2011
42	Makarand V. Ratnaparkhi Wright State University, Dayton, USA	International Conference on Mathematical Sciences	January 3-5 2011
43	Dr. Andrew Thomas, University of St. Andrews, UK	International Workshop on Bayesian Statistics using Open BUGS and R software	8-12 December 2008
44	Dr. Olli Saarela, National Public Health Institute, Finland	International Workshop on Bayesian Statistics using Open BUGS and R software	8-12 December 2008
45	Dr. Sangeetha K., University of Helsinki	International Workshop on Bayesian Statistics using Open BUGS and R software	8-12 December 2008
47	Professor Bimal Sinha, Dept. of Mathematics and Statistics, University of Maryland, USA	International Conference on Stochastic Modelling and Workshop on Meta-analysis	3-5 January 2014
47	N. Sreekumaran Nair, Dept. of Biostatistics, Manipal University	International Conference on Stochastic Modelling and Workshop on Meta-analysis	3-5 January 2014
48	Professor Jack D. Kalbleisch, Kidney Epidemiology and Cost Center, Washington Heights Ann Arbor, Michigan, USA	International Conference on Stochastic Modelling and Workshop on Meta-analysis	3-5 January 2014
Under the auspices of the Department of Physics			
49	Prof. V.N. Bhaoraskar Pune University	National workshop on Quantum confined systems and nanoscale devices.	3-5 December 2009
50	Prof. S.V. Bhaoraskar Pune University	National workshop on Quantum confined systems and nanoscale devices.	3-5 December 2009

51	Dr. M.K. Radhakrishna NanoRel, Singapore.	National workshop on Quantum confined systems and nanoscale devices.	3-5 December 2009
52	Dr. A. John Peter Govt. Arts and Science College, Madurai.	National workshop on Quantum confined systems and nanoscale devices.	3-5 December 2009
53	Dr. M. Ramaswamy Biotech Centre Anna University.	National workshop on Quantum confined systems and nanoscale devices.	3-5 December 2009
54	Dr. G. Gopichandran University of Kerala	National workshop on Quantum confined systems and nanoscale devices.	3-5 December 2009
55	Prof. Dr. A.M. Narsale Director, WRIC, Mumbai.	Instrumentation maintenance Workshop	21-25 June 2010
56	Prof. R. Shankar Institute of Mathematical Sciences, Chennai.	Science Academies' Refresher course on Condensed Matter Physics and Statistical Mechanics	28 February to 13 March 2011
57	Prof. Subodh Shenoy University of Hyderabad, Hyderabad.	Science Academies' Refresher course on Condensed Matter Physics & Statistical Mechanics	28 February to 13 March 2011
58	Prof. G. Baskaran Institute of Mathematical Sciences, Chennai.	Science Academies' Refresher course on Condensed Matter Physics & Statistical Mechanics	28 February to 13 March 2011
59	Prof. Srikanth Sastry Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore.	Science Academies' Refresher course on Condensed Matter Physics & Statistical Mechanics	28 February to 13 March 2011
60	Prof. Vijay Shenoy Indian Institute of Science, Bangalore.	Science Academies' Refresher course on Condensed Matter Physics & Statistical Mechanics	28 February to 13 March 2011
61	Prof. V. Venkataraman Indian Institute of Science, Bangalore.	Science Academies' Refresher course on Condensed Matter Physics & Statistical Mechanics	28 February to 13 March 2011
62	Prof. Gautam Menon Institute of Mathematical Sciences, Chennai.	Science Academies' Refresher course on Condensed Matter Physics & Statistical Mechanics	28 February to 13 March 2011
63	Prof. C.N.R. Rao JNCASR, Bangalore. Chairman of the Advisory Committee on Scientific Affairs to the Prime Minister of India.	International Conference on Materials Science and Technology	10-14 June 2012.
64	Prof. Norbert Kroo Presidential Advisor & Vice-President Hungarian Acad of Sci., Hungary.	International Conference on Materials Science and Technology	10-14 June 2012.
65	Dr. O. Mondain-Monval	International Conference on	10-14 June

	University of Bordeaux, Centre de Recherche Paul Pascal – CNRS, France.	Materials Science and Technology	2012.
66	Dr. Michael Hietschold Solid Surfaces Analysis Group, Institute of Physics, Chemnitz University of Technology Germany.	International Conference on Materials Science and Technology	10-14 June 2012.
67	Professor Mukunda P. Das Department of Theoretical Physics, RSPE The Australian National University, Australia.	International Conference on Materials Science and Technology	10-14 June 2012.
68	Dr. Christian von Borczyskowski Department of Optical, Institute of Physics, Chemnitz University of Technology Chemnitz, Germany.	International Conference on Materials Science and Technology	10-14 June 2012.
69	Dr. Alessandro De Vita School of Natural and Mathematical Sciences, King's College London, London, UK.	International Conference on Materials Science and Technology	10-14 June 2012.
70	Dr. Yoav D. Livney Biotechnology & Food Engineering Dept., Israel Institute of Technology.	International Conference on Materials Science and Technology	10-14 June 2012.
71	Dr. Maria Farsari IESL-FORTH, N. Plastira 100, 70013, Heraklion, Crete, Greece.	International Conference on Materials Science and Technology	10-14 June 2012.
72	Prof. Uwe Bovensiepen University Duisburg-Essen, Faculty of Physics, Duisburg, Germany.	International Conference on Materials Science and Technology	10-14 June 2012.
73	Prof. Norlida Kamarulzaman Centre for Nanomaterials Research, Institute of Science, Universiti Teknologi MARA, Malaysia.	International Conference on Materials Science and Technology	10-14 June 2012.
74	Prof. Ajayan Vinu Australian Institute for Bioengineering and Nanotechnology, The University of Queensland, Brisbane, Australia.	International Conference on Materials Science and Technology	10-14 June 2012.
75	Department of Physics and Department of Chemistry, Faculty of Sci., National University of Singapore, Singapore.	International Conference on Materials Science and Technology	10-14 June 2012.
76	Dr. M. Y. Udugala-Ganehenege	International Conference on	10-14 June

	School of Chemistry, Monash University, Uty. of Peradeniya, Peradeniya, Sri Lanka.	Materials Science and Technology	2012.
77	D. Qing Zhang School of Electrical and Electronic Engineering, Nanyang Technological Uty., Singapore.	International Conference on Materials Science and Technology	10-14 June 2012.
78	Dr. David Grosso Laboratoire Chimie de la Matière Condensée de Paris, Université Pierre et Marie Curie, Collège de France, Paris.	International Conference on Materials Science and Technology	10-14 June 2012.
79	Dr. A. Pradel Institut Charles Gerhardt, Équipe ChV, CC1503, Université Montpellier 2, France.	International Conference on Materials Science and Technology	10-14 June 2012.
80	Dr. Ting YU Division of Physics and Applied, School of Physical and Mathematical Sciences, Nanyang Technological Uty, Singapore.	International Conference on Materials Science and Technology	10-14 June 2012.
81	Dr. Dinesh Kabra Cavendish Laboratory, University of Cambridge, Cambridge, UK.	International Conference on Materials Science and Technology	10-14 June 2012.
82	Dr. A. V. Zayats Department of Physics, King's College London, UK.	International Conference on Materials Science and Technology	10-14 June 2012.
83	Dr. Y. P. Feng Department of Physics, National University of Singapore.	International Conference on Materials Science and Technology	10-14 June 2012.
84	Dr. Motoaki Matsuo Institute for Materials Research, Tohoku University, Japan.	International Conference on Materials Science and Technology	10-14 June 2012.
85	Dr. Jack Ng Department of Physics, Hong Kong University of Science & Technology, China.	International Conference on Materials Science and Technology	10-14 June 2012.
86	Dr. Jacqueline M. Cole Cavendish Laboratory, University of Cambridge, J. J. Thomson Avenue, Cambridge, UK.	International Conference on Materials Science and Technology	10-14 June 2012.
87	Dr. Yehuda Eyal Department of Chemistry, Technion - Israel Institute of Technology, Haifa 32000, Israel.	International Conference on Materials Science and Technology	10-14 June 2012.
88	Dr. G. Subodh Dept. of Energy and Hydrocarbon Chemistry,	International Conference on Materials Science and	10-14 June 2012.

	Graduate School of Engineering, Kyoto University, Japan.	Technology	
89	Dr. Shun Hirota Graduate School of Materials Science, Nara Institute of Science and Technology, Japan.	International Conference on Materials Science and Technology	10-14 June 2012.
90	Dr. Radhakrishna Prabhu I Deas Innovation, Design and Sustainability Research Institute, Robert Gordon University, UK.	International Conference on Materials Science and Technology	10-14 June 2012.
91	Dr. Harald Graaf Institute of Physics, Chemnitz University of Technology, 09126 Chemnitz, Germany	International Conference on Materials Science and Technology	10-14 June 2012.
92	Dr. Shahrom Mahmud Nano- Optoelectronic Research and Technology Lab, School of Physics, Universiti Sains Malaysia,	International Conference on Materials Science and Technology	10-14 June 2012.
93	Dr. J.V. Yakhmi Bhabha Atomic Research Centre, Mumbai.	International Conference on Materials Science & Technology	10-14 June 2012.
94	Dr. John Philip SMARTS, NDED, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Kalpakkam.	International Conference on Materials Science and Technology	10-14 June 2012.
95	Prof. S. S. Major Indian Institute of Technology Bombay, Mumbai.	International Conference on Materials Science and Technology	10-14 June 2012.
96	Dr. D. Narayana Rao School of Physics, University of Hyderabad, Hyderabad.	International Conference on Materials Science and Technology	10-14 June 2012.
97	Dr. Jacob Philip Sophisticated Test and Instrumentation Centre, Cochin University of Science and Technology, Cochin.	International Conference on Materials Science and Technology	10-14 June 2012.
98	M C Valsakumar Materials Physics Division, Indira Gandhi Centre for Atomic Research, Kalpakkam.	International Conference on Materials Science and Technology	10-14 June 2012.
99	Dr. K. V. Adarsh Indian Institute of Science Education and Research, Bhopal.	International Conference on Materials Science and Technology	10-14 June 2012.
100	Dr. Reji John Head, Materials Engineering Division, NPOL, Kochi.	International Conference on Materials Science and Technology	10-14 June 2012.

101	Dr. M.D. Mathew Indira Gandhi Centre for Atomic Research, Kalpakkam.	International Conference on Materials Science and Technology	10-14 June 2012.
102	Prof. Raj K Thareja Department of Physics, Indian Institute of Technology, Kanpur.	International Conference on Materials Science and Technology	10-14 June 2012.
103	Dr. Debdatta Ratna Naval Materials Research Laboratory, Thane, Maharastra	International Conference on Materials Science and Technology	10-14 June 2012.
104	Dr. P. A. Hassan BARC Mumbai.	International Conference on Materials Science & Technology	10-14 June 2012.
105	Dr. G. Bhagavannarayana Sophisticated Analytical Instruments Division, National Physical Laboratory, New Delhi.	International Conference on Materials Science and Technology	10-14 June 2012.
106	Prof. Alok Sharan Department of Physics, Pondicherry University.	International Conference on Materials Science & Technology	10-14 June 2012.
107	Dr. M. R. Suresh Deputy Project Director, GSLV Project, VSSC, Thiruvananthapuram.	International Conference on Materials Science and Technology	10-14 June 2012.
108	Dr. Pramod Bhatt Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai.	International Conference on Materials Science and Technology	10-14 June 2012.
109	Dr. Sudeep Bhattacharjee Department of Physics, Indian Institute of Technology, Kanpur.	International Conference on Materials Science and Technology	10-14 June 2012.
110	Dr. K. K. Nanda Materials Research Centre, Indian Institute of Science, Bangalore.	International Conference on Materials Science and Technology	10-14 June 2012.
111	Dr. S. Pahari Bhabha Atomic Research Centre, Visakhapatnam.	International Conference on Materials Science & Technology	10-14 June 2012.
112	Dr. Sarat K. Swain Department of Chemistry, Veer Surendra Sai University of Technology, Odisha.	International Conference on Materials Science and Technology	10-14 June 2012.
113	Dr. V. P. S. Awana, Quantum Phenomena and Applications Division, National Physical Laboratory, New Delhi.	International Conference on Materials Science and Technology	10-14 June 2012.
Under the auspices of the Department of Mathematics			
114	Dr. Tony Thomas, IIITM-K, Trivandrum.	Two day workshop on number theory	December 12, 13- 2012
Under the auspices of the Department of History			
115	Prof. Dr. K S Mathew Retired Head and Professor, Central University, Pondicherry	International Seminar on The Portuguese and the Dutch in Maritime Malabar with Special	From 9-12 December 2012

		Reference to Cochin	
116	Captain Melho Pereira, Departamento da Marinheira, Lisbon	-do-	From 9-12 December 2012
117	Dr. Vitor Rodrigues Centro Tropical da Investigacao Cientifica Tropical, Lisbon	-do-	From 9-12 December 2012
118	Prof. Dr. Om Prakash Retired Professor Delhi School of Economics	-do-	9-12 December 2012
Under the auspices of the Department of English			
119	Dr. P.P. Raveendran, Director, College Development Council, M.G. University	National Seminar on 'Postmodern Ethical Criticism in the West and East With special reference to Emmanuel Levinas and M.K. Gandhi'	28-30 March 2012
120	Dr. Mahajan P. Mani, Former Director and Dean, School of Gandhian Thought and Development Studies	-do-	28-30 March 2012
121	Dr. Paul Thelakat, Columnist and former Editor of <i>Sathyadeepam</i>	-do-	28-30 March 2012
122	Dr. Aby Koshy, Asso. Professor, Dept. of Philosophy, Maharajas College, Ernakulam	-do-	28-30 March 2012
123	Dr. Gasper K.J., Asst. Professor, Dept. of Philosophy, Maharajas College, Ernakulam	-do-	28-30 March 2012
124	Dr. K.S. RAdhakrishnan, Former Vice Chancellor of Sree Shankaracharya Uty. Kalady	-do-	28-30 March 2012
125	Dr. Franson Manjali, Prof. School of Language, Literature and Culture Studies, JNU, New Delhi.	-do-	28-30 March 2012
Under the auspices of the Department of Economics			
126	Sri. Abhay Bakre, Executive Director of Petroleum Conservation Research Assn.	National Seminar on Petroleum Conservation and petroleum Pricing.	5 th and 6 th September 2013
127	Sri. Abraham Thariyan, Executive Director of South Indian Bank Ltd.	National Seminar on Petroleum Conservation and petroleum Pricing.	5 th and 6 th September 2013
128	Sri. K M Chandrasekhar, Vice	National Seminar on Petroleum	5 th and 6 th

	Chairman of Kerala State Planning Board	Conservation and petroleum Pricing.	September 2013
Under the auspices of the Departments of Biotechnology & Applied Microbiology and Biochemistry			
129	Dr. Kuruvila Joseph Professor, IISR Trivandrum	National seminar on the Emerging trends in biotechnology and applied microbiology	30 March 2012
130	Dr. Sandhya S IISc, Bangalore, Karnataka	-do-	30 March 2012
131	Dr. Joseph Job S. B. College Changancherry	-do-	30 March 2012
132	Dr. Aniesh Prabhakaran Universite Catholique De Lovain, Belgium	National seminar on the Emerging trends in biotechnology and applied microbiology	29 March 2012
133	Dr. J. G. Ray School of Biosciences M. G. Uty, Kottayam	National seminar on the Emerging trends in biotechnology and applied microbiology	29 March 2012
134	Dr.Suneesh Radhakrishnan IISER, Trivandrum Kerala	-do-	30 March 2012
135	Dr. P. G. Biju Dept Of Biochemistry, Uty Of Kerala, Kariavattom	National seminar on the Role of biochemistry and biotechnology in prevention and management of life style disorders	15 January 2013
136	Dr. B. S. Vijayakumar Sri Sathya Sai Institute Of Higher Learning Prasanthinilayam Andra Pradesh	National seminar on the Role of biochemistry and biotechnology in prevention and management of life style disorders	15 January 2013
137	Dr. Virupaksha Gupta K. L Dept Of Rasashastra And Bhaishajya Kalpana Gaur Brahmin Ayurvedic Medical College, Haryana	National seminar on the Role of biochemistry and biotechnology in prevention and management of life style disorders	15 January 2013
138	Dr. Vipin M Laboratory Of Toxicology College Of Veterinary Medicines Seoul National Uty, South Korea	National seminar on the Role of biochemistry and biotechnology in prevention and management of life style disorders	15 January 2013
139	Dr. Sreelatha Nair Life Line Research Hospital, Adoor	National seminar on the Role of biochemistry and biotechnology in prevention and management of life style disorders	15 January 2013
140	Dr. Anitha Karun CTCRI, Kasargode	-do-	15 January 2013

141	Dr. Rajesh Arora Office Of Chief Controller Research & Development, DRDO, New- Delhi	National seminar on the Role of biochemistry and biotechnology in prevention and management of life style disorders	15 January 2013
142	Dr. Pallavi, Govt.Ayurveda College, Mysore	-do-	15 January 2013
143	Dr. Priya S CSIR, NIIST, Trivandrum	National seminar on the Role of biochemistry and biotechnology in prevention and management of life style disorders	15 January 2013
144	Dr. M. S. Kiran CSIR, CLRI, Chennai	-do-	15 January 2013
145	Dr. V. B. Sameer Kumar Central University, Kasargod	-do-	15 January 2013
146	Dr. N. Prabhu Chennai Medical College,Thiruchirapalli	-do-	15 January 2013
Under the auspices of Department of Physical Education			
147	Dr. R. Sankar Ram Rajiv Gandhi Institute for Sports Medicine, Trivandrum	Workshop on “First Aid Training for Youth”	28/03/2013
Under the auspices of Department of Commerce			
148	K.M.Mani, Hon. Minister of Finance, Law & Housing	UGC Sponsored National Seminar on Direct Tax Code and Goods and Services Tax- The Future Tax Regime in India	15-16 December 2011
149	Babu Abraham Kallivayalil F.C.A, Former Chairman, SIRC, ICAI	-do-	15-16 December 2011
150	Mohanam Kuttikkatt F.C.A, Associate of Menon & Ayyar Chartered Accountants	-do-	15-16 December 2011
151	Dr. K.P. Pradeep, Advocate, High Court of Kerala	-do-	15-16 December 2011
152	Adv. Shanmugham D. Jayan, Associate Lawer, Vijayaraghavan & Devi Advocates	-do-	15-16 December 2011
153	V. Sathyanarayanan F.C.A, Senior Partner, Varma & Varma Chartered Accountants	-do-	15-16 December 2011
Under the auspices of IQAC			
154	Dr K Babu Joseph Former VC, CUSAT	UGC sponsored National Seminar on Quality Enhancement in Teaching, Learning and Evaluation	19-20 September 2011

155	Dr Tharsis Joseph NAAC Peer Team Member	-do-	19-20/9/ 2011
156	Dr Rajan Varghese PVC, M G University Kottayam	UGC sponsored National Seminar on Quality Enhancement in Teaching, Learning and Evaluation	19-20 September 2011
157	Dr Babu Joseph Director, SIET Kerala	-do-	19-20/9/ 2011
158	Dr Jose P Mattam NAAC Peer Team Member	-do-	19-20/9/ 2011

3.7.5. How many of the linkages/collaborations have actually resulted in formal MoUs and agreements?

Sl. No.	Institute/ Organization	Purpose
1	KELTRON, Govt. of Kerala	Training programmes in network engineering.
2	Regional Cancer Centre, Thiruvananthapuram	Visiting Faculty and Internship & On-the-Job Training for project work for MSc Biostatistics.
3	Christian Medical College Vellore	Software training and project works to MSc Biostatistics students.
4	Institute of Chartered Accountants of India (ICAI)	Accredited Training Centre for Common Proficiency Test (CPT)
5	Department of Higher Education, Govt. of Kerala	Training Centre for Additional Skill Acquisition Programme (ASAP)
6	Indira Gandhi National Open University (IGNOU)	Study Centre under Convergence Scheme for B.Com and M.Com.
7	Coconut Development Board, Govt. of India.	For developing value added formulation of Ayurvedic drug <i>Ksheerabala</i> by using <i>Virgin Coconut Oil</i> .
8	KISCO Palai	To impart on the job training to students
9	Indian Institute of Science and Region, Pune	To support the activities of St. Thomas Society for Science and Religion in the college.
10	IPSR Solutions Ltd., Kottayam-686001, Kerala.	For providing internship and training of the students of the Hardware and Networking maintenance diploma course.
11.	Micro Tracks Industries, Cochin-34, Kerala.	For providing training for the students of the Renewable Energy diploma course.
12.	Vayalil Spices, Pala, Kottayam-686575	For the internship of the students of the Food Processing degree course.
13.	Pala Social Welfare Society, Pala, Kottayam-686575	For the training and internship of the students of the Sustainable Agriculture degree course.
14.	Coconut Development Board, Government of India.	For survey of elite dwarf coconut palms of Kottayam District by Dr. Dennis Thomas.

3.7.6. Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

- The research level linkages/ collaborations are planned, established and implemented under the auspices of the Research Monitoring Cell functioning in the college.
- Experts who visit the college as part of collaborative research are provided free local hospitality.
- The college promotes department-level collaborations. Departments of Statistics, Chemistry, Botany and Physics have established collaborative research works with experts in reputed institutes.
- Necessary infrastructural facilities are provided to researchers to establish labs and fields under collaborative projects.
- Faculty members with good research potential are given study leave/duty leave in concurrence with Govt. policies for collaborative works.

3.7.7. Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

1. Science Popularization Mission

- As part of this venture of the college, our faculty members visit nearby schools and colleges and deliver talks on topics related to science.

Sl. No	Faculty	Topic of the Talk	Venue	Date
1.	Ison V. Vanchipurackal	Solar Photovoltaics	St. Joseph's College Moolamattom	09-7-2014
2.	Sunny Kuriakose	New Challenges in Chemical Science Research	Alphonsa College, Pala	March 26, 2014
3.	Ison V. Vanchipurackal	God Particle	SVR NSS College, Vazhoor	19-02-2014
4.	Ginson P. Joseph	Polymer nanocomposites	Noorul Islam University, Kanyakumari.	29-10-2013
5.	Ison V. Vanchipurackal	Organic Solar Cells	St. Mary's College, Manarkadu	18-12-2012
6.	Ison V. Vanchipurackal	Nanoscience	Marthoma College Thiruvalla	11-12-2012
7.	Ison V. Vanchipurackal	Electromagnetic waves	St. Aloysius College, Edathua.	15-11-2012
8.	Ison V. Vanchipurackal	Solar Photovoltaics: Principles and Practices	Devamatha College, Kuravilangadu.	18-10-2012
9.	Ison V. Vanchipurackal	Clean Energy Options	St. Stephen's College, Uzhavoor.	27-02-2012
10.	Ison V. Vanchipurackal	Solar Cell Architecture	Pavanathma College, Murikkassery.	07-02-2012
11.	Ison V. Vanchipurackal	Optoelectronics - an introduction	St. Mary's College Manarcadu.	16-09-2011
12.	Ison V. Vanchipurackal	Digital Signal Processing	Baselius College, Kottayam.	11-07-2011
13.	Ison V. Vanchipurackal	Thin films and Properties	Newmann College, Thodupuzha.	01-04-2011
14.	Ison V. Vanchipurackal	On Confinement in Quantum Dots	Maharaja's college Ernakulam.	02-02-2011
15.	Ison V.	Non-linear optics	Baselius College,	06-11-2010

	Vanchipurackal		Kottayam.	
16.	Ison V. Vanchipurackal	Integrated optics	Baselius College, Kottayam.	29-10-2010
17.	Ison V. Vanchipurackal	Distribution Functions in Statistical Mechanics	B.C.M. College for Women, Kottayam.	01-07-2010
18.	Ison V. Vanchipurackal	Photonics and Photonic Devices	M.A. College, Ramapuram.	03-09-2009
19	Dr Sunil C Mathew	Fuzzy Set Theory	Government Victoria College Palakkad	07/03/2012
20	Dr Sunil C Mathew	Number theory and its Applications	St. Joseph's Teacher Training Institution Mutholy	04/01/2013
21	Dr Sunil C Mathew	Coding Theory and Its Applications	Nirmala College Muvattupuzha	29/01/2010
22	Dr Sunil C Mathew	Mathematics: The Man Made Science	Deva Matha College Kuravilangad	27/11/2012
23	Dr Sunil C Mathew	Fuzzy Set Theory	B. V. M. Holy Cross College Cherpunkal	19/09/2012
24	Dr Sunil C Mathew	Coding Theory	St Stephen's College Uzhavoor	07/08/2012
25	Dr Sunil C Mathew	Fuzzy Topological Spaces	UGC-Academic Staff College, University of Kerala, Trivandrum	31-08-2013
26	Dr Sunil C Mathew	Coding Theory and Cryptography	MES College Nedumkandam	19/02/2010
27	Sunny Kuriakose	Science, Spirituality and Sustainability	Ramakrishna Math, Kottayam	Feb.2, 2008
28	Sunny Kuriakose	The Chemistry of Alcohol and Narcotics	Anti-Narcotic Club, St.Thomas College, Pala	Nov.21,2008
29	Sunny Kuriakose	Advances in NMR Spectroscopy	Post Graduate Dept.of Chemistry, St.Thomas College, Ranny	Nov.27, 2008
30	Sunny Kuriakose	Applications of Spectroscopy in the Structural Investigations of Organic Compounds	Post Graduate Dept. of Chemistry, St.Mary's College, Manarcad	Dec.05, 2008
31	Sunny Kuriakose	Efficient and Curreption Free Municipalities	Pala Municipality	Dec.18, 2008
32	Sunny Kuriakose	The Chemistry of Global Warming	Holy Cross College Cherpunkal and Kozhuvanal Grama Panchayat	Feb.1, 2009
33	Sunny Kuriakose	Science-Religion Dialogue	St.Thomas College, Pala	08-09 March 2010
34	Sunny Kuriakose	How to Write Major and Minor Research Projects	St. Stephens College, Uzhavoor	17,March, 2010
35	Sunny Kuriakose	New Trends in Chemical Sciences Research	Corporate Agency, Pala	May 02,2010
36	Sunny Kuriakose	Applications of	Devamatha College,	Sept.16,2010

		Nanochemistry in Medicine	Kuravilangad	
37	Sunny Kuriakose	Applications of Spectroscopy in Structural Studies	SCS, M.G. University	April-May, 2011
38	Sunny Kuriakose	Applications of Spectroscopy in Structural Studies, M.S and M.Phil Courses	Nanocentre, M.G.University	May 30, 2011
39	Sunny Kuriakose	Applications of Spectroscopy in Structural Studies, M.S and M.Phil Courses	Nanocentre, M.G.University	August 06, 2011
40	Sunny Kuriakose	Talk to the Molecules-with Spectroscopy	BCM College, Kottayam	August 08, 2011
41	Sunny Kuriakose	Chemistry-Our Life, Our Future	CHEMQUEST-2011 Sasthrapadham State level Workshop	Sept. 7, 2011
42	Sunny Kuriakose	Structure Elucidation Using Spectroscopic Methods	St. Teresas College, Kochi	Sept.30, 2011
43	Sunny Kuriakose	The Global Perspectives of Science and Technology	BVM Holy Cross College, Cherpunkal	March 08, 2012
44	Sunny Kuriakose	New Trends in Nanochemistry	Marthoma College, Thiruvalla	June, 20, 2012
45	Sunny Kuriakose	Emerging Nanoscience and its Future in Biology	St. Aloysius College, Edathua	August, 22, 2012
46	Sunny Kuriakose	Chemistry and its Future: A Student Perspective	St. Stephens College, Uzhavoor	Jan.04, 2013
47	Dr Jose K Xavier	Green Chemistry	CHEMQUEST-2011 Sasthrapadham State level Workshop	Sept. 7, 2011
48	Dr G D Gem Mathew	Nobel Prize Winners in Chemistry	-do-	Sept. 7, 2011
49	Dr Jose K Xavier	Career Prospects in Chemistry	Deva Matha College Kuravilangad	27/10/2009

- Besides, the faculty members of Science Depts. are being consulted by Science Education Trust Palai in publishing '*Sasthrapadham*' a science magazine for the young supported by CSIR, New Delhi. Seven faculty members are in the Editorial Board of this magazine of which Dr G D Gem Mathew, Dept. of Chemistry is the Associate Editor.
- Many of the faculty members have authored articles of general interest with a view to familiarizing the young with current areas of Science and new discoveries.

Sl. No.	Faculty	Title of the Article	Name of the Magazine and details
1.	Dr. Ison V. Vanchipurackal	Sun- as a source of energy.	Sastrapadham, Vol. 19, No. 10, p.5-8, 2008.
2.	Dr. Ison V. Vanchipurackal	Large Hadron Collider	Sastrapadham, Vol. 21, No. 6, p. 10-14, 2010.
3.	Dr. Ison V.	Semiconductor Solar	Sastrapadham, Vol. 22, No. 11, p. 24-

	Vanchipurackal	Cell	28, 2011.
4.	Dr. Ison V. Vanchipurackal	Women Physicists	Sastrapadham, Vol. 23, No. 2, p. 13-15, 2012.
5.	Dr. Ison V. Vanchipurackal	Discovery of the God Particle	Sastrapadham, Vol. 24, No. 2, p. 5-7, 2013.
6.	Dr. Ison V. Vanchipurackal	Hydroelectricity	Sastrapadham, Vol. 24, No. 6, p. 25-28, 2013.
7.	Dr. Ison V. Vanchipurackal	Light pollution	Sastrapadham, Vol. 24, No. 9, p. 38-40, 2013.
8.	Dr. Ison V. Vanchipurackal	Energy Conservation	Sastrapadham, Vol. 25, No. 1, p. 5-9, 2014.
9.	Dr Sunil C Mathew	Hailstone sequences	Sastrapadham, 21(12), 2010, 34-35
10.	Dr Sunil C Mathew	Amazing Geometry	Sastrapadham, 14(1), 2008, 40-43
11.	Dr Sunil C Mathew	Criptarithms or Alphametics	Sastrapadham, 22(3), 2011, 39-41
12.	Dr Sunil C Mathew	Lady Mathematicians	Sastrapadham, 23(2), 2012, 23-28
13.	Dr Sunil C Mathew	Euler-the foremost mathematician	Sastrapadham, 19(2), 2008, 14-18
14.	Sunny Kuriakose	The Chemistry of Hard Water	Saasthrapadham, 48-49, Feb. 2008
15.	Sunny Kuriakose	Photochemistry in Medical Sciences	Saasthrapadham, 5-11, Aug. 2008
16.	Sunny Kuriakose	The Chemistry of Global Warming	Saasthrapadham, 5-11, March, 2009
17.	Sunny Kuriakose	Collagen and Bone Strength	Saasthrapadham, 32, Oct., 2009
18.	Sunny Kuriakose	Nanomedicines in Medical Sciences	Saasthrapadham, 28-31, Nov., 2009
19.	Sunny Kuriakose	The Chemistry of Carbon	Saasthrapadham, 5-8, February, 2010
20.	Sunny Kuriakose	Quality of Food and Medicines	Saasthrapadham, May, 2010
21.	Sunny Kuriakose	Green Chemistry	Saasthrapadham, December, 2010
22.	Sunny Kuriakose	The Horoscope of Elements	Saasthrapadham, October, 2011
23.	Sunny Kuriakose	A Journey with the Elements-1: Hydrogen	Saasthrapadham, November, 2011
24.	Sunny Kuriakose	A Journey with the Elements-2: Helium	Saasthrapadham, January, 2012
25.	Sunny Kuriakose	A Journey with the Elements-3: Lithium	Saasthrapadham, March, 2012
26.	Sunny Kuriakose	A Journey with the Elements-4: Beryllium	Saasthrapadham, May, 2012
27.	Sunny Kuriakose	A Journey with the Elements-5: Boron	Saasthrapadham, June, 2012
28.	Sunny Kuriakose	A Journey with the Elements-6: Carbon	Saasthrapadham, August, 2012

29.	Sunny Kuriakose	A Journey with the Elements-7: Nitrogen	Saasthrapadham, September, 2012
30.	Sunny Kuriakose	A Journey with the Elements-8: Oxygen	Saasthrapadham, October, 2012
31.	Sunny Kuriakose	A Journey with the Elements-9: Fluorine	Saasthrapadham, November, 2012
32.	Sunny Kuriakose	Visudha Thanmathrakal- Chemistry of Water	Saasthrapadham, June, 2013
33.	Sunny Kuriakose	A Journey with the Elements-10: Neon	Saasthrapadham, July, 2013
34.	Sunny Kuriakose	A Journey with the Elements-11: Sodium	Saasthrapadham, Aug, 2013
35.	Sunny Kuriakose	A Journey with the Elements-12: Magnesium	Saasthrapadham, Oct, 2013
36.	Sunny Kuriakose	A Journey with the Elements-13: Aluminium	Saasthrapadham, Nov, 2013
37.	Sunny Kuriakose	A Journey with the Elements-14: Silicon	Saasthrapadham, Dec, 2013
38.	Sunny Kuriakose	A Journey with the Elements-15: Phosphorus	Saasthrapadham, January 2014
39.	Sunny Kuriakose	A Journey with the Elements-16: Sulphur	Saasthrapadham, February 2014
40.	Sunny Kuriakose	A Journey with the Elements-17: Chlorine	Saasthrapadham, April, 2014
41.	Sunny Kuriakose	A Journey with the Elements-18: Argon	Saasthrapadham, May, 2014
42.	Sunny Kuriakose	Chemistry and Medical Science	Saasthrapadham, June, 2014
43.	Sunny Kuriakose	A Journey with the Elements-19: Potassium	Saasthrapadham, August 2014

2. Societal Enlightenment Through Media

- The college acts as a live wire when it comes to important social issues. The Learned Articles published by its faculty in periodicals and newspapers and Expert Talks through Radio and TV broadcasts have great magnitude both in size and impact.

Details of Talks for Societal Enlightenment

Sl. No.	Faculty	Topic of the Talk	Venue	Date
1.	Dr C T Francis	Vidyarambham	Sri Ramakrishna Matham, Vyttila, Ernakulam	09-10-08
2.	Dr C T Francis	Healthy Practices	Intercollegiate leadership camp at STCP in collaboration with M. G. Uty, Kottayam.	22-11-08
3.	Dr C T Francis	National Security and Women	Upasana, Thodupuzha – a centre for religio- cultural integration.	23-02-09
4.	Dr C T Francis	Modern trends in literature	Sahitya Vedi, Thodupuzha.	14-02-09
5.	Dr C T Francis	The Dhvani	D.B. College Thalayolapparampu.	19-02-09
6.	Dr C T Francis	The Elements of Women Empowerment	Upasana, Thodupuzha – a centre for religio- cultural integration.	04-04-09

		in Puranas		
7.	Dr C T Francis	Appreciation of Poetry	Thodupuzha Kalakendra and Nanma, Thodupuzha	10-05-09
8.	Dr C T Francis	Concept of Mother in Ramayana	Satsanga Samithy, Manakkad, Thodupuzha.	08-08-09
9.	Dr C T Francis	Pollution a Social Menace	“Dirt free beat Programme” of the community police Thodupuzha.	03-11-09
10.	Dr C T Francis	Adulteration free food for health	St.Mary’s U.P.School Nediyaasala, at Parakkadavu colony, Thodupuzha	24-02-10
11.	Dr C T Francis	The lusture of Natya in Rigveda	Sree Ramakrishna Adarsa Sanskrit College, Arunapuram.	28-02-10
12.	Dr C T Francis	Sanskrit and indian Culture	A.U.P. School, Kidangoor	12-03-10
13.	Dr C T Francis	Kavi Karma	Vikas Kaviyarangu, Karimannoor	20-03-10
14.	Dr C T Francis	Media and Language	Thodupuzha Sahithyavedi	21-03-10
15.	Dr C T Francis	Influence of families in local history	Olikkal Kudumbayoga, Vazhakkulam	09-05-10
16.	Dr C T Francis	Ancient and modern education	M.G.M.N.S.S.Higher Secondary School, Lakkattoor, Kottayam.	01-06-10
17.	Dr C T Francis	Concept of education in Vedas	M.D.S.Higher Secondary School, Kottayam.	13-08-10
18.	Dr C T Francis	Vedic Culture of India	Subrahmanya Swami Temple, Arpookkara, Kottayam.	11-12-10
19.	Dr C T Francis	Aranyaka Culture	Thirunakkara Temple, Kottayam	26-12-10
20.	Dr C T Francis	Women characters in Puranas	Sahithya vedi, Thodupuzha	12-02-11
21.	Dr C T Francis	Indian Spirituality	Thrikkapaleeswaram Dakshinamoorthy Temple, Niranam.	26-02-11
22.	Dr C T Francis	Sanskrit and Indian Culture	Iraveeswaram Mahaaadeva temple , Kudamalur, Kottayam.	01-03-11
23.	Dr C T Francis	Sympolic representations of the puranic characters	Mahadeva temple, Amayannoor, Kottayam.	19-03-11
24.	Dr C T Francis	Influence of Sanskrit in Indian Culture	N.S.S. Higher Secondary School, Kidangoor.	02-04-11
25.	Dr C T Francis	Traditional concept of Morality	Malayala Brahmana Samajam, Kottayam	07-05-11
26.	Dr C T Francis	Social life in Rigveda	Malayala Brahmana Samajam, Kottayam.	08-05-11
27.	Dr C T Francis	Sree Narayana Guru- a social reformer	S.N.D.P.Yoga, Kaithakkad, Pattimattam.	28-05-11
28.	Dr C T Francis	Smruthi and Indian Culture	A.U.P.School, Kidangoor	10-06-11
29.	Dr C T Francis	Necessity of Ecological awareness	The Kerala State Service Pensioners’Union, Thodupuzha.	04-10-11
30.	Dr C T Francis	Ecology and Vedic culture	Prasaram Samskrita Samajam, Kooayam	08-10-11
31.	Dr C T Francis	Vedic Concepts in Puranas and Ithihasas	Hindu Dharma Parishad, Thirunakkara temple, Kottayam.	22-12-11

32.	Dr C T Francis	Personality Development	Neelankulangara Residents' Association, Iringole, Perumpavoor	12-02-12
33.	Dr C T Francis	The concepts of Guru and Acharya	Vivekananda Vidyalayam, Panakkappalam.	19-02-12
34.	Dr C T Francis	Indian Spirituality	Kottaram Devi Temple, Mannanam, Kottayam	07-03-12
35.	Dr C T Francis	Vivekananda and Sree Ramakrishna Paramahansa	Vivekananda Pathanavedi, Kidangoor	11-03-12
36.	Dr C T Francis	Ecological awareness	Govt. U.P.S.Vempally	16-03-12
37.	Dr C T Francis	Deplasticization	Govt. Harijan welfare L.P.School, Thalappalam	16-03-12
38.	Dr C T Francis	The Ramayana	Sasthamangalam Temple South Vazhakkulam, Aluva.	15-08-12
39.	Dr C T Francis	Siva and Sakthi as parents	Bhagavathy temple, Airapuram, Perumpavoor	16-02-13
40.	Dr C T Francis	Influence of Sanskrit poems in Malayalam	St.Paul's Girls High School, Vettimukal, Ettumanoor.	19-02-13
41.	Dr C T Francis	Concepts of Gender Equality in Vedas	Sree Subrahmanya temple, Arpookkara, Kottayam.	19-04-13
42.	Dr C T Francis	The Vedas, Itihasas and the Philosophy of Sree Narayana Guru	Vayalvaram Kudumbayoga of The S.N.D.P., Chingavanam.	04-05-13
43.	Dr C T Francis	Religious faith and cultural righteousness	Cheriya Thrikkovil Mahadeva temple, Vellur, Pampady.	21-02-14
44.	Dr C T Francis	The Traditional Indian Perspectives of Edn.	Sree Sankara College, Kalady	27-11-13
45.	Dr C T Francis	The Concept of Guru and Dronacharya	The Meenachil Hindu Mahasangamam, Pala.	18-01-14
46.	Prof. Cherian Vadakkekunnel	Career Orientation Programme for Plus Two batches	Library Hall, St. Thomas College, Pala	27.3.2009
47.	Dr. Siby James	Presenting <i>The Midnight's Children</i>	W.M.C.A. Hall, Pala,	5.4.2009
48.	Prof. Cherian Vadakkekunnel	Motivation Class for students of Std.X	Chavara Public School, Pala.	26.4.2009
49.	Prof. Cherian Vadakkekunnel	'Future Makers'	Hosana Mount, Edamattom, Pala	29.5.2009
50.	Prof. Franci Mathew	New Age Parenting-Class for the Parents	Auditorium, Carmel Public School, Vazhakulam.	11.7.2009
51.	Prof. Cherian Vadakkekunnel	'Why, Who are You?'	Rifle Club, Muttom	11.7.2009
52.	Prof. Cherian Vadakkekunnel	Inauguration of the English Association	Beselius College, Kottayam.	15/7/2010
53.	Dr. Siby James	Women and Creativity.	Alphonsa College, Palai.	21.1.2012
54.	Dr. Siby James	Orientation Class for Degree students	St. George College Aruvithura.	6.7.1012
55.	Prof. Cherian Vadakkekunnel	Orientation class for Degree students	Vimala College, Trissur.	9.7.2012

56.	Prof. Cherian Vadakkekunnel	Moulders of Tomorrow	Pastoral Institute, Palai.	4-5/8/2012
57.	Dr. Siby James	Memorial Lecture	Baselius College, Kottayam.	9.10.2013
58.	Dr. Siby James	Life and Literature	Nirmala College, Muvattupuzha.	12.11.13
59.	Dr. Siby James	Character and Education	Mary Matha Public School, Kadaplamattom.	3.3.2014
60.	Dr. Siby James	Classical Indian Drama and Poetry	B.K. College, Amalagiri.	13.6.2014
61.	Prof. Shilpa Mathew	ASAP Trainers' Training Programme,	Kerala University Campus, TVM, 22-	25.4.2013
62.	Prof. Cherian Vadakkekunnel	Skill Development	Kerala University Campus,	18-21. 4. 2013
63.	Prof. Jishnu Venugopal	ASAP Trainers' Training Programme,	Kerala University Campus,	18-21. 4. 2013
64.	Prof. Joby Mathew	ASAP Trainers' Training Programme,	Kerala University Campus,	18-21. 4. 2013
65.	Dr. Siby James	Classical Indian Drama	B.K. College, Amalagiri.	13.6.2014
66.	Jishnu Venugopal	Classical Indian Poetry	B.K. College, Amalagiri.	13.6.2014
67.	Tejil Thomas	Research & Methods	MES College, Nedumkandom	03-12-13
68.	Sunny Kuriakose	Science, Spirituality and Sustainability	Ramakrishna Math, Kottayam	Feb.2, 2008
69.	Dr C T Francise	Concept of Guru in Indian Culture	Sri Rama Hanumath Devasthanam, Kottayam	12/7/14
70.	Dr C T Francise	Need of Ecological Awareness	St. Thomas College Palai	9/8/14
71.	Dr C T Francise	Vedic Philosophies reflected in Ramayana	Swamiar Matham, Kottayam	9/8/14
72.	Dr C T Francise	Sanskrit and Indian Culture	H S School Ithithanam	11/8/14
73.	Dr C T Francise	Concept of Gender Equality in Vedas	Sri Rama Krishna Sanskrit Vidyapeetham	12/8/14
74.	Dr C T Francise	Relevance of Upanishadic concepts	Sri Sankaracharya Sanskrit University, Ettumanoor Campus	13/8/14
75.	Dr C T Francise	Role of Youths in Civilized Society	Mahadeva Temple Puliyanloor	15/8/14

- In addition, many faculty members have authored a lot of articles related to public issues for the enlightenment of the society. Dr Sunny Kuriakose, Dr Davis Xavier, Dr C.T. Francise and Sri. Sijo K Manuel have contributed a lot in this regard, through their expository articles.

Details of Articles Authored for Societal Enlightenment

Sl. No.	Faculty	Title of the Article	Magazine and details
1.	Sijo K. Manuel	Mullapariyar: Threat and Reality	Pratichaya Weekly, Vol.5, No. 12, December 14, Page 14-17, 2011
2.	Sunny Kuriakose	Lokathe Jayicha Mounam	Assissi Magazine, Dec.2008
3.	Sunny Kuriakose	Maranam, Uyirppu: Jeevithathinte Nanarthangal	Assissi Magazine, April.2009

4.	Sunny Kuriakose	Prathisandhikalude Kalaghattathile Adhyapakan	Assissi Magazine,Sept.2009
5.	Sunny Kuriakose	Kayente Vamshavrikshathil Thalirkkunnavar	Assissi Magazine,February 2010
6.	Sunny Kuriakose	Pravachakanilekkulla Dhooram	Assissi Magazine,May.2010
7.	Sunny Kuriakose	Jaivaprapanchathinu AAdharamaya Visudha Thanmathrakal	Assissi Magazine,June.2010
8.	Sunny Kuriakose	Sahishnuthayude Soumyapadangal	Assissi Magazine,November, 2010
9.	Sunny Kuriakose	Parajitharude Suvishesham	Assissi Magazine,April, 2011
10.	Sunny Kuriakose	Sandhehikalude Anweshanavazhikal	Assissi Magazine,July, 2011
11.	Sunny Kuriakose	Vijayikkunnilla Daivam	Assissi Magazine,April, 2012
12.	Sunny Kuriakose	Vinodhayaathrakal, Adhava Irulil Irangipokunnavar	Assissi Magazine,April, 2013
13.	Sunny Kuriakose	Prusha Kendreekrutha Samoohathil Apamanavee-karikkapedunna Purushan	Assissi Magazine,April, 2014
14.	Sunny Kuriakose	Visudhiyude Adayalangal	Assissi Magazine,August 2014
15.	Dr. Davis Xavier	Pattinte Palazhi Theertha Rajashilpi	Oruma,4(2) 2010, 33
16.	Dr. Davis Xavier	Samvruthokaram - Vicharavum Vicharanayum	Vidhyarangam,36(4), 2010, 42
17.	Dr. Davis Xavier	Pattinte Shilagopuram Theertha Rajashilpi	Janapatham,24(10) 2010, 45
18.	Dr. Davis Xavier	Malayalam Akshara Roopavum Lipi Vyavasthayum	Vidyarangam,36(11), 2010, 36
19.	Dr. Davis Xavier	Vyakarana Bodhanathinte Naveena Reethi Sastram	Vidyarangam,37(3), 2011, 41
20.	Dr. Davis Xavier	Kerala Bhasha Lipi Charithram	Vidyarangam,38(11), 2012, 21
21.	Dr. Davis Xavier	Sandra Sundara Chamaram Veeshi Poovachal Khadar	Pramadam,XV(3), 2012, 32
22.	Dr. Davis Xavier	C.J. Roy	Mathurbhoomi Journal. 3(91), 2013, 24
23.	Dr. Davis Xavier	Athma Nishta Sadara Bodhathinte Kalaparidhikal	Pramadam,Annual Issue 2012, 76
24.	Dr. Davis Xavier	Kshemarashtra Sankalpam - Mithum Yatharthayavum	Vishala Keralam,Onam Issue 2010, 46
25.	Dr. Thomas Scaria	Cinemapadanathinte Sargamuykham	Prathichaya,5(27), 2012, 42
26.	Dr. Thomas Scaria	Film Society Prasthanam - Charithravum Prasaktiyum	Prathichaya,5(3-4), 2012,31
27.	Dr. Thomas Scaria	Thirichuvanna Kutti	Mathrubhoomi Weekly 2, 2013, 23
28.	Dr. Thomas Scaria	Sahithya Charithra Vinjaneeyam	Ashraya Mathru Nadu 4(10), 2013, 42
29.	Sijo K. Manuel	Human Rights: A Reminder	Mangalam Daily, December 10, Page 6,2013
30.	Sijo K. Manuel	Relevance of Human Rights in Global Society'	Pratichaya Weekly Vol.6, No. 21, February 13,

			Page 45 - 47,2013,
31.	Sijo K. Manuel	Right to Service Act: An Evaluation'	Pratichaya Weekly, Vol.5, No. 48, August 22, Page 45 - 47,2012,
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CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1. Physical Facilities

4.1.1. What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

- The college Management, more than anyone else, is convinced that a state of the art infrastructure is sine qua non for the proper transmission of knowledge. Hence, it leaves no stone unturned to have its infrastructure updated, and there is an effective system in place for this.
- The college is alert in the regular maintenance and replacement of infrastructure to facilitate effective teaching, learning and research. Constant efforts are being made to further improve the facilities to the level of international standards. There is a Planning Committee constituted solely for this purpose.
- To meet the quality standards and needs, the IQAC as well as the College Council makes proposals for infrastructure development to the Planning Committee chaired by the Principal.
- Depending on the nature of the construction, the Planning Committee presents the proposal before the staff and PTA for their concurrence and drafts the blueprint.
- After studying the blueprint thoroughly in consultation with the Planning Committee, the Managing Board takes the final decision on a priority basis.
- As and when the decision for a new infrastructure development is taken, a Finance Committee and a Construction Committee are formed under the leadership of the Principal. The Bursar of the college supervises the construction.
- In fulfilling the task, the Finance Committee seeks the support and participation of all stakeholders such as, management, staff, parents, students, industry and the society.
- There is a Fund Mobilization & Monitoring Committee functioning in the college for ensuring adequate funds from UGC, DST and other Govt. agencies for creation and enhancement of infrastructure.

4.1.2(a). Detail the facilities available for curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

- College premises consist of eight multi-storeyed buildings spread over 25 acres of lush green land.

Sl. No.	Facility	Details of Provisions
1.	Class Rooms -72 Nos.	Green Boards, whiteboards and interactive boards are provided in selected classrooms. Computers with internet connectivity and LCD projectors are available in selected PG and UG classrooms.
2.	Staff Rooms -15 Nos.	One spacious room for each department with computers and internet connection. It has a discussion area and a dining

		compartment. The staff room also has wi-fi facilities.
3.	Seminar Halls-3 Nos.	Cardinal Tisserant Hall (Interactive Board, Internet, LCD Projector) Msgr. Mecherikkunnel Hall and G Block Hall.
4.	Library	Spacious, full-fledged, automated with OPAC library with over 84000 books, 300 journals/periodicals, 27 copies of news papers and online books & journals under NLIST/INFLIBNET set up in a four-storey building.
5.	University Study Centre	Over 20000 books and INFLIBNET facility
6.	Computer Centre	70 PCs with internet facility, Free browsing, Conducting DCA programme in two different streams.
7.	Physics Computer Lab	7 PCs in LAN with internet facility.
8.	Chemistry Computer Lab	10 PCs in LAN with internet facility
9.	Botany Computer Lab	8 PCs with internet facility.
10.	Zoology Computer Lab	5 PCs & 1 Laptop with internet facility.
11.	Biotechnology Computer Lab	10 PCs in LAN with internet facility
12.	Maths Computer Lab	4PCs with internet facility
13.	B.Sc. Physics Laboratory	Well equipped having all the experimental facilities as per the revised syllabus comprising mechanics, properties of matter, thermal physics, electricity, magnetism, modern physics, electricity, electronics (digital and analog), etc. The lab has sufficient computers and also has facilities for carrying out the students' project work.
14.	M.Sc. Physics Laboratory	Four sections, separately for, materials science experiments, optics experiments, general physics experiments and computer experiments. The computer lab is unix based having internet facilities.
15.	Physics Research Laboratory – 4 Nos.	Two materials science laboratories, a quantum electronics laboratory and a centre for nano-bio-polymer science and technology. Our facilities include a nanomaterials research workstation with a fume hood, computing workstations, spin coating unit, LCR meter, source meter, furnaces, ovens, high-speed centrifuge, etc.
16.	B.Sc.Chemistry Laboratory	Enough work space to accommodate 48 students at a time. Equipped with a fume cup board and all necessary instruments such as Conductometer, Potentiometer, Centrifuge Machines, etc.
17.	M.Sc.Chemistry Laboratory – 2 Nos.	Two PG Labs, one for conducting Physical Chemistry experiments and the other for Organic and Inorganic Chemistry experiments. The important instruments include Vacuum Rotary Flash Evaporator, Refractometer, Muffle furnace, Polarimeter, Conductometer, Potentiometer, PH meter and Visible spectrophotometer. Two fume hoods are

		used to conduct important experiments and to handle harmful chemicals.
18.	Chemistry Research Laboratory – 2 Nos.	Both are renovated in 2013 under UGC-CPE Scheme and functioning as two centres namely, (i) Centre for Nanochemistry & Polymer Science and (ii) Centre for Environmental Chemistry. Work tables and an office room are provided for the use of research scholars.
19.	Chemistry Instrumentation Lab	FTIR Spectrophotometer (costs Rs 12 Lakhs) and a uv-visible spectrophotometer (costs Rs 5 Lakhs) are available .
20.	Botany Laboratory	Well-equipped molecular biology lab with PCR, HPLC, Spectrophotometer. Cytogenetics lab with stereomicroscope and facilities for photomicrography. Fully equipped Tissue Culture Lab with air conditioned culture room, laminar flow chamber and shaker. Microbiology lab with BOD incubator. Herbarium with over 2000 specimens.
21.	Botanical Garden	Rare collectional of medicinal plants and gymnosperms.
22.	Zoology Laboratory	Compound Microscope-30, Simple Microscope - 30, Binocular Microscope- 1, Research Microscope -1, Video Microscope - 1, Hand Lens - 30, Clinical Centrifuge -1, Micrometer, Camera Lucida- 17, Haemoglobinometer -12, Haemocytometer- 15, Sphygmomanometer-1
23.	Biochemistry Lab (Zoology)	BOD incubator, Laminar Air Flow, Rotary vacuum evaporator, Refrigerator - 2, weighing Balance- electronic - 1, Ph Meter- 1, Soxhlet extractor - 2, Clevenger Extractor - 2 , Magnetic Stirrer - 2, Electrophoretic unit - 1, Heating Mantle -1, Hot Air Oven- 2, Autoclave - 3, Rotary shaker - 1, Incubator- 2, Centrifuge - 1, Water bath – 1.
24.	Zoology Museum	Specimen display shelf - 4, Chart stand -1, Specimen - about 1000 numbers.
25.	Biotechnology Laboratory	PCR, Spectrophotometer, Carbondioxide Incubator, Ultracentrifuge, ELISA Reader, Cell Culture Room. Cooling Centrifuge. Plant Tissue Culture Lab, Mushroom Cultivation facility.
26.	Biochemistry Laboratory	Hot Air Oven, Water Bath, Centrifuge.
27.	Microbiology Laboratory	Laminar Air Flow Chambers- 6 nos., BOD incubator, Phase Contrast Microscope, Electrophoretic Apparatus, Bacteriological incubator, Electronic Microscope- 6 nos., Hot Air Oven- 2 nos., Water Quality testing facility.
28.	Statistical Laboratory	21 PCs in LAN with computing softwares MATLAB, SAS, MINITAB, SPSS and R. Interactive Board, Internet and LCD Projector are also available.
29.	Biostatistical Laboratory	20 PCs with internet, computing softwares SAS, MINITAB and SPSS are available.
30.	Language Lab	24 computers with headphones and free softwares provided

		by the British Council.
31.	Civil Service Institute	1 Seminar hall, 1 Lecture hall, 1 Library cum Study room and 1 Office Room in the D Block.
32.	IGNOU Office	One room with Internet and Reprographic facility in B Block
33.	IGNOU Computer Lab	10 PCs with internet facility in B Block
34.	Council Hall	One Air-conditioned well-furnished Hall

4.1.2(b). Detail the facilities available for Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

Sl. No.	Facility	Details
1.	Sports and Games	All activities are under the supervision of the Dept. of Physical Education. Facilities for almost all the major games are available in the college.
2.	Football Playfield	A standard football field of 85x48mts with grass surface is available in the college.
3.	Athletic Track	400m track with grass surface, with facility for field activity is available in the college.
4.	Jimmy George Stadium (Volleyball & Basketball court)	Sports Complex named after our alumnus Arjuna Awardee Late Jimmy George, with the seating capacity of two thousand is available in the campus. This stadium accommodates Volleyball & Basketball courts
5.	Beach Volleyball Court	A beach Volleyball court, adjacent to Jimmy George Stadium is available
6.	Gymnasium	A gymnasium with multi stations & option for training in competitive lifting is available.
7.	Table Tennis	Table Tennis board is available and utilised in the hall in G Block (G01)
8.	Cricket Pitch	A cricket pitch is laid in the centre of athletic field, which is used on priority basis.
9.	Karate Training	For Boys and Girls separately. Twice in a week
10.	Store for Sports Goods	One room in B Block
11.	Judo & Wrestling	Wrestling mats are available (24nos) which is ideal for conducting competitions & training in Judo.
12.	Swimming Pool	We had a swimming pool of 50 x 15 mts constructed in 1957. It has been demolished and a new swimming pool of 50x21mts is being constructed with UGC aid.
13.	Multipurpose Indoor Training Hall	A multipurpose indoor training hall is under construction with UGC aid. The size of the hall is 48x28x12.5mts with wooden flooring. It can accommodate six badminton courts at a time.
14.	Other facilities	Facilities for Archery, camping and allied activities are available in the college

15.	NSS Office	One room in E Block
16.	NCC Office	Separate rooms are available for the army and naval wings in B Block.
17.	Students Amenity Centre	This accommodates Canteen and Co-operative Store
18.	Visitors Room	Well-furnished Room in the A Block
19.	Auditorium	Separate building with 1200 seats.
20.	Water Harvesting Unit	It has a capacity of 1 Lakh litres.

4.1.3. How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

- Planning Committee and IQAC ensure optimum utilization and monitor infrastructure development in tune with the requirements.
- Classrooms are allocated based on the academic schedule and general time table.
- Auditoriums and conference halls are available to department level programmes on a priority basis.
- Working hours of the library (9am to 5pm) is beyond the office working time.
- Computer labs and internet facilities are made freely accessible to staff and students.
- Central power back-up facility is available for the optimum use of facilities.
- Play grounds and stadiums are open to students of our college as well as students of neighbouring colleges in the morning and evening.
- Staff and students utilize the facilities at the Gymnasium and Health Centre to a maximum.
- Residential facility is available in St. Philips Guest House & Hostel and Staff Quarters for teachers and non-teaching staff.
- Laboratories are allocated to different batches based on a predetermined schedule.
- Subject to prior permission and availability, higher secondary students are also allowed to utilize our science labs.
- Students and research scholars are encouraged to do their projects and DTP works in the computer labs of the college.
- The college has framed a Future Plan, titled 'Vision 2025' in consultation with all stakeholders and is uploaded in the college website.

Examples of Facilities Developed

Sl.No.	Development Project	Approx. Amount Spent (Rs.)
1	Students' Amenity Centre	85,00,000.00
2	Air conditioned Council	3,00,000.00
3	Well and Pump set for drinking water	14,00,000.00
4	Water coolers	3,20,000.00
5	Computers, Printers, Photostat Machines, LCD,etc	29,50,000.00
6	Classroom Renovation	36,00,000.00
7	G Block Annex	1,15,00,000.00
8	E Block Renovation	4,75,000.00
9	Roof work for Staff Quarters, A, G and B Blocks	42,50,000.00

10	Sports Hostel	7,00,000.00
11	Power Back-up and Generator	9,00,000.00
12	Modern Kitchen for CR Hostel	30,00,000.00
13	Modernised Lab for Chemistry	34,80,000.00
14	Research lab for Physics	8,00,000.00
15	Renovation of Jimmy George Stadium	5,00,000.00
16	LAN with Optical Fibre (10Mbps)	13,50,000.00
17	Renovation of College Chapel	25,00,000.00
18	Staffroom Renovation	18,50,000.00
19	High Tension Power Station	35,00,000.00
20	Modern Lab for Botany	30,50,000.00
21	Renovated Zoology Lab	5,50,000.00
22	Library Automation and Networking	2,00,000.00
23	New Comfort stations	22,50,000.00

- Campus Layout of the college is given on Page 239.

4.1.4. How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

- Classes of differently abled students are arranged in the ground floor of the buildings.
- Wheel chairs and walkers are available for such students.
- Vehicles of differently abled students are permitted to the door steps of the buildings.
- At the beginning of every academic year, Jesus Youth Forum identifies and trains students who are ready to offer voluntary help to differently abled students.
- Special seating arrangements are made for differently abled students during examinations.
- Reservation in admission is allowed as per university norms to such students.

4.1.5. Give details on the residential facility and various provisions available within them.

Sl. No.	Residential Facility	Provisions Available
1	Faculty Hostel	15 Rooms at St Philips Guest House & Hostel
2	Teaching and Non-Teaching Hostel	19 Rooms in the Staff Quarters
3	Guest Rooms	4 Rooms at St Philips Guest House & Hostel
4	Boys Hostel	Christhuraj Hostel for boys with 99 Rooms can accommodate 150 students. Principal is the Chief warden and Rev. Dr James John, HOD of History is the Warden. Recreation/ Reading room, Visitor's room, Parlor, Guest Room, Mess hall, Phone booth, Internet facility, Playground, Prayer Hall, Modern Kitchen, Garden, Study Hall, Biogas Plant, Gober Gas Plant, Buffallo Farm, Solar Water Heaters etc.
5	Girls Hostels	4 Hostels viz. S H Hostel, Alphonsa Hostel, Adoration Hostel and Assumption Hostel run by Rev. Sisters under the Diocese of Palai accommodate 50 students each.
6	Sports Hostel	It can accommodate 40 persons. Food and Uniforms

		of selected inmates are sponsored by the Kerala Sports Council.
Security staff and night watchmen are appointed for the protection of the above hostels.		
4.1.6. What are the provisions made available to students and staff in terms of health care on the campus and off the campus?		
• First aid facility is available in the college as well as at the department level. • A well established hospital, (viz. Marian Medical Centre Arunapuram with Inpatient (over 500 Bed), Outpatient, Emergency Care Facility, Ambulance etc.) is available within 400 metres. 'Doctor at Call' scheme is introduced as a permanent arrangement with this hospital. • Separate health awareness seminars are organised for staff and students. • Gymnasium and Fitness Centre are made available in the campus. • In emergency situations, financial assistance for medical treatment is given from the poor students fund maintained in the college. • As the situations demand, voluntary contributions from staff and students are collected for the medical treatment of poor staff and students.		
4.1.7. Give details of the Common Facilities available on the campus—spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.		
Sl. No.	Facility	Details
1.	IQAC Room	Well-furnished room with internet facility
2.	Grievance Redressal Cell	This consists of three members with Vice-Principal as Chairman and two senior faculties as members and the cell makes use of the Council hall for their sittings.
3.	Women's Cell	There are active Womens Forum and Vanitha Jagratha Samithi for which one room is allotted.
4.	Bank Test Coaching Centre	4 rooms spread over two floors of the G Block Annexe for giving training for bank recruitment to the students and alumni.
5.	Career Guidance and Placement Cell	Giving proper guidance and training to the students for campus placement. This includes, Group Discussions, Mock Interviews, English Language Proficiency Tests, etc. 2 rooms are provided for the working of this cell.
6.	Counselling Cell	Service by Rev Dr Mathew Panthalanickal, a qualified and experienced counsellor is made available to students. Moreover, the five teachers who got trained in counselling also help in this regard. A special room is allotted for this purpose.
7.	Canteen	Area - 6500 sq.ft, Modern Kitchen, Seating Capacity -250 in the Student Amenity Centre.
8.	Auditorium	Separate building with 1200 seats.

9.	Co-operative Store	Functioning in the Student Amenity Centre for providing books and stationery at discount rate.
10.	Chapel	Suitable for meditation and prayer with a capacity of 300 people.
11.	Drinking water facility	The college has a centralized water supply scheme with two open wells and one rainwater harvesting tank with a capacity of 1 Lakh litres. Besides, there are 9 water storage tanks in the campus and 10 water cooler-cum-filters are installed in different buildings of the college.
12.	Scheduled Bank	The South Indian Bank Ltd. Arunapuram branch is functioning in the campus of the college.
13.	Staff Co-operative Society	Functioning in the Staff Quarters Building for taking care of the financial needs of the staff.
14.	Photostat and DTP	This facility is available in the College Library, Computer Centre and the Co-operative Store.
15.	High Tension Transformer	Being a High Tension consumer, College owns an indoor Transformer with Output 350 KW.
16.	Power Houses-2 Nos.	Two Generators of 75 KW and 83 KW for uninterrupted electricity and underground cables have been installed at a cost of Rs. 30 lakhs.

4.2. Library as a Learning Resource

4.2.1. Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

There is a Library Advisory Committee with the Principal as Chairman and Vice Principal as Vice Chairman. A senior faculty member serves as the convener of the committee. Librarian, IQAC Coordinator and the college council secretary are members. The advisory committee meets frequently and reviews the working of the library. The library of this college has been adjudged as the Best Library in the district of Kottayam by the 'Darsana International Book Fair' in January 2013.

- The library working hours are scheduled from 9.00 am to 5.00 pm.
- Computerized id reader is installed at the entrance.
- Issue and return are automated by using bar coded identity cards.
- Computerized searching facility of books and journals is made available.
- Separate floors for Research/PG and UG.
- Reference books are kept in a separate wing.
- Reading room with over 300 journals/periodicals and 27 copies of newspapers is set up.
- New arrivals of books are displayed.
- Recent publications by faculty and research scholars are also displayed.
- Previous year university question papers are made available in the reference section.

- CCTV is installed in the library with the help of 8 colour cameras for assistance.

4.2.2. Provide details of the following: * Total area of the library (in Sq. Mts.) * Total seating capacity * Working hours (on working days, on holidays, before examination days, during examination days, during vacation) * Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources).

Total area of the library-1858.06 sq. mts.

Total seating capacity- 250 (three floors)

Working hours -- Working days: 9.00 am to 5.00 pm

-- Academic holidays: 9.00 am to 5.00 pm

-- Before Examination days: 8.30am to 5.30pm

-- During Examination days: 9.00 am to 5.00 pm

-- During vacation: 9.00 am to 4.30 pm

Separate reading room, reference section, PG & UG Sections

LAYOUT OF THE LIBRARY

Third Floor	Back Volumes of Periodicals Bound Volumes of the Journals Newspapers for the last two years Unfit/damaged books for binding
Second Floor	PG and Research Scholars Section: 48 Book Shelves, 8 Tables and 45 Chairs OPAC Facility Toilets
First Floor	Entrance to the Library: Drinking Water, Shoe Rack, Notice Board, New Book Cover Displayboard Property Counter Electronic Check Point/Id card Reader/Entrance Register Issue Counter Return Counter OPAC Service Card Catalogue New Arrivals Display Research Paper Display Staff Entrance Register Reading Section: Current Periodicals/ Newspapers/Display Racks Librarians Chamber Internet Browsing Facility Reference Section: 50 Book Shelves, 6 Tables, 24 Chairs Toilets
Ground Floor	Reprographic Centre: 3 Xerox Machines UG Section: 48 Book Shelves, 8 Tables, 32 Chairs OPAC Service Technical Section Power Supply Room Toilets

4.2.3. How does the library ensure purchase and use of current titles, print and e-

journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

(a) Purchase and Use of Current Titles

- List of recommended books is collected twice a year from the departments by the Principal. Usually new titles are included in the list.
- Catalogues as well as websites of leading publishers are regularly referred to by the librarian and the advisory committee.
- Participation of teachers is ensured in the selection and purchase of books, journals, etc.
- Research Guides, Research Scholars are also consulted before placing orders.
- Feedback and suggestions from students are also taken care of.

(b) Amount Spent on Procuring New Books, Journals, etc.

Library Holdings	2010-11		2011-12		2012-13		2013-14	
	Number	Total Cost (Rs)	Number	Total Cost (Rs)	Number	Total Cost (Rs)	Number	Total Cost (Rs)
Text books	3230	1144505	2090	729787	2870	927528	2061	537380
Reference Books	210	215325	103	120376	613	312386	192	97638
Journals	100	69485	102	70450	104	76380	106	79960
Periodicals	201	82340	213	85290	215	89215	218	90480
E-resources	N-LIST	5000	N-LIST	5000	N-LIST	5000	N-LIST	5000
CD & Video	10	Free	5	Free	15	7500	12	Free

4.2.4. Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

Online Public Access Catalogue (OPAC) facility is available in the library. The students themselves can search the books. NLIST/INFLIBNET facility is provided to all staff and students so that they can avail of this facility in and outside the campus. Information about the library is available from the college website. Issue-return and search facilities are automated. Three computers with OPAC facility are made available for the users.

4.2.5. Provide details on the following items: *Average number of walk-ins *Average number of books issued/returned *Ratio of library books to students enrolled *Average number of books added during last three years * Average number of login to opac (OPAC) *Average number of login to e-resources *Average number of e-resources downloaded/printed * Number of information literacy trainings organized *Details of "weeding out" of books and other materials.

- The average number of walk-ins in the library is 500 per day.
- The average number of books issued/returned is 250 per day.
- The ratio of library books to students enrolled is 40:1.
- The average number of books added during the last three years is 2643.

- The average number of login to OPAC is 850 per day.
- Number of information literacy trainings organized: 25 (Batchwise for newcomers)
- A book is weeded out rarely, (less than ten books per year). Books are bound and re-used.

4.2.6. Give details of the specialized services provided by the library.

- The library has a collection of copies of manuscripts published yearly by various departments of the college and various organizations, such as National Service Scheme, Women's Forum etc.
- We have a reference section of more than ten thousand volumes on various subjects apart from year books, annual volumes and specialized magazines.
- Photocopying facility with 3 machines is available in the library.
- Inter Library Loan (ILL) service is provided on special request from departments.
- Information on job/career/studies opportunities is published on notice boards placed in and outside the library.
- New arrivals are displayed at the entrance of the library.
- Library user awareness programmes are conducted for the first year UG and PG students.
- Assistance is provided in searching databases.
- INFLIBNET/NLIST facility is available in the Library.
- Allows internship to MLISc/BLISc students.
- Organizes Book Fairs atleast thrice in a year.
- Library Week celebration is held every year to enhance reading habit among staff and students.
- Separate section is arranged for career information. A number of career books and magazines are made available in this section.
- Teaching-learning is supplemented through the Library Creative Users Forum which conducts programmes like, Lecture Series, "Know this Author/Book", etc.
- Quiz programmes and essay competitions on selected topics are conducted.
- Back volumes of journals, periodicals and newspapers are kept in a separate floor.

4.2.7. Enumerate on the support provided by the Library staff to the students and teachers of the college.

- Advance reservation of books.
- Information about new arrivals of books and subscription to journals.
- Photocopying of articles on request.
- Help in using OPAC.
- Provision for keeping belongings in separate cabins at the Property Counter.
- Safe drinking water facility provided.
- Racks are provided for keeping sandals/ footwear.
- Boards indicating different sections, subjects and facilities are provided.
- Separate reading space is provided to teachers and ladies.
- The members of the Staff are deployed evenly in different sections to help out and guide the users.
- "Book-on-call" facility is provided to teachers.
- On recommendation by teachers, reference books are issued to students on Friday

evening on condition of the return of the same on Monday morning.
4.2.8. What are the special facilities offered by the library to the visually/physically challenged persons? Give details.
• Brailey books are made available • Differently abled students are supplied books of their choice at their seat. • Hearing aids are made available in the library.
4.2.9. Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)
• A standardized form is used for collecting feedback from users. • A feedback box is placed and is opened every week and the necessary changes are periodically introduced. • Library Advisory Committee analyses the feedback and necessary steps are taken.

4.3. IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.
• Number of computers available in the college- 237 • Computer student ratio-1:9 • LCD- 29 • Printers- 39 • Stand Alone Facility – 7 • LAN Facility- Available in all labs, departments, library and office. The number of computers involved is 169. • Wifi Facility – available in all buildings • Licensed software – License for SPSS, MINITAB, SAS, MAPLE, Microsoft Volume License • Number of computers with Internet facility – 227
4.3.2. Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?
• All departments are provided with sufficient number of computers with internet facility. • Members of the Staff have free access to computers and Internet in the central computer lab. • Internet facility is made available in the Departmental labs. • Students are given free access to internet for 30 minutes per day. In addition, they can use internet at a subsidized rate of Rs.20/- per hour. • Students are encouraged to use the computer labs for their project works and seminar presentations. • The college has entered into a tie-up with the Bishop Vayalil Memorial Computer Centre,

Palai for providing internet access to our students at 30% discount.

4.3.3. What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- Fully automated administrative office.
- Centralised Database and Management Information System.
- An educational television channel of the college to achieve virtual classrooms and any time learning.
- Video-conferencing facilities.
- Extend ICT facilities to all classrooms and conference halls.
- Periodical orientation and intensive training programmes to staff and students on ICT facilities and computing softwares.
- Upgrade the IT infrastructure through sponsored projects of faculty, UGC grants and voluntary donations received from students getting campus placements.
- Upgradation of the OPAC facility in the library to make it web related.

4.3.4. Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years).

Budget Provision for Procurement and Maintenance of Computers and Accessories

Items	2010-11	2011-12	2012-13	2013-14
Procurement	8,46,000	13,78,000	2,40,000	3,20,000
Up-gradation	75,000	1,15,000	1,75,000	2,50,000
Deployment	3,50,000	5,40,000	6,32,000	9,00,000
Maintenance	2,10,000	1,60,000	1,35,000	2,10,000
Total	14,81,000	21,93,000	11,82,000	16,80,000

4.3.5. How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- All departments are provided with ICT resources.
- Students are required to present ICT-Aided seminars.
- Interactive boards are arranged in selected seminar halls, computer labs and class rooms.
- Teachers are encouraged to use ICT resources in the teaching learning process.
- All classrooms are electrified and LCDs and Laptops are made available on demand.
- There are 11 smart classrooms in the college.
- Computers are installed in selected PG classrooms with broadband Internet connectivity.
- Wifi facility for using internet is made available in the campus.

4.3.6. Elaborate giving suitable examples on how the learning activities and

technologies deployed (access to on-line teaching- learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- Students are required to prepare slides for Power Point presentations.
- Slides and other materials prepared by the students are discussed in the class.
- Students are encouraged to present ICT-Aided seminars.
- Peer teaching using ICT resources are conducted by PG students and research Scholars.
- Students are given data on real life problems for data analysis using software.
- Data collection, compilation and analysis are done by students themselves.
- Students use ICT resources for organizing department level programmes.
- Students prepare CDs, short films, documentaries, etc. using ICT tools.
- Students are encouraged to use online educational resources to complement and supplement class room learning.

4.3.7. Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

- We have a 10 Mbps broadband Internet connection with a Static IP under National Mission for Education (NME). Through Optical Fibre Cables, this connection is extended to all departments and centres in the campus.
- The college has NLIST facility for online books and journals.
- The M. G. University Study Centre functioning in the college offers INFLIBNET facility to our staff and students.

4.4. Maintenance of Campus Facilities

4.4.1. How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

- Available fund is optimally allocated to different items by the Principal in consultation with the College Council, the IQAC and the Planning Committee.
- Major Developmental projects are taken up only after discussing the matter in the general staff meetings, the Council meetings, and in the IQAC in the presence of the Manager.
- A committee system is followed in the execution of projects with a view to ensuring

transparency.

- Statutory and Management Audit are compulsory for all types of fund utilization.
- The Bursar of the college supervises the utilization of funds.
- Feedbacks obtained from students, parents, alumni, industry, etc. are given due weightage.
- A formal system of tenders/quotations is followed in the college as per Govt. norms.
- Due care has been taken to limit the actual cost of projects within the budget allocation.

The following table gives details of budget allocated during last four years:-

Sl. No.	Facilities	Budget Allocation in the year (Rs.)			
		2010-11	2011-12	2012-13	2013-14
1	Building	60,00,000	1,00,00,000	1,30,00,000	3,00,00,000
2	Furniture	8,00,000	23,00,000	80,00,000	1,40,00,000
3	Equipment	62,00,000	80,00,000	1,30,00,000	2,40,00,000
4	Computers	28,00,000	33,00,000	48,00,000	60,00,000
5	Vehicles	-	-	-	-
6	Network expenditure	3,60,000	3,00,000	11,00,000	26,00,000
7	Office automation expenses	-	-	2,00,000	6,00,000
8	Restructuring of the Science Laboratories	-	-	9,00,000	16,00,000
Total		1,61,60,000	2,39,00,000	4,08,00,000	4,88,00,000

4.4.2. What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

Every year the Principal invites proposals regarding departmental requirements. The planning committee meets to evaluate the requirements and decide upon the priorities. Accordingly, the budget is allotted. During the last few years, priority was laid on the development of building, library, computer and ICT equipments, office automation, modernization of laboratories, introduction of new generation courses, books and journals and support for research and development.

The following points are also noteworthy:-

- Annual Maintenance Contracts have been made with the respective companies for the costly equipments in the science departments.
- Computers and Networks are maintained by the System Administrator (Dr Ison V Vanchipurackal) and the AMC.
- The maintenance and upkeep of the infrastructure and other facilities are undertaken by the Management through the Bursar.
- Department heads are authorized to make arrangements for minor repairs of systems in their departments.
- There is an LD Storekeeper and a Technician in the college for the maintenance of lab equipments.
- A full-time Marker is appointed in the Physical Education Department for the upkeep of grounds, gymnasium, etc.

- Carpenters, Painting workers, gardeners, etc are hired on a daily wage basis for the proper maintenances of facilities.
- A week-long workshop organized by the Physics Department of our college, in collaboration with the Western Regional Instrumentation Centre (WRIC) Mumbai (An autonomous facility of the UGC), facilitated the repair of a number of costly equipment in the Physics Laboratory of our college and also of many other institutions.
- There is an Electrician to upkeep electrical fittings and execution of electrical works.
- There is a Herbarium Keeper as well as a Gardener in the college.
- The security staff is also in place for safeguarding the facilities, infrastructure and equipments of the college round the clock.

4.4.3. How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

- All the high precision equipments are calibrated periodically by experts from the respective companies.
- Optical characterization equipments such as UV-VIS spectrophotometer, FTIR spectrophotometer, etc. and high precision balances are calibrated more frequently.
- Colorimeters and thermometers are also checked with their standards regularly.
- Incubators and deep-freezers are monitored daily.
- Only class-A glasswares are used for precision measurements.

4.4.4. What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- Sensitive equipments are well protected with power backup facilities, stabilizers, uninterrupted supply of water etc.
- The College has invested Rs. 35 lakhs for the installation of the powerhouse for the uninterrupted power supply. The college has also two generators to bridge the power cuts by the KSEB.
- Two wells and sufficient storage tanks ensure availability of water in all the buildings and floors.
- We make use of rain water harvesting facility to overcome the scarcity of water during summer season.

4.4.5. Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

- The college is at present involved in the construction of a Multi-purpose Sports Complex with an indoor stadium and a swimming pool of international standards with the financial assistance from the UGC.
- The college is on its way to a change over to Solar Energy for power supply and the works at the B Block in this regard is almost over.
- The members of the staff of the college have made a generous and voluntary contribution of more than Rs. 55 Lakhs towards the construction of the new Student Amenity Centre during 2011-13.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1. Student Mentoring and Support

5.1.1. Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

The College publishes its Prospectus and Handbook annually. Fresh applicants are given the prospectus along with the application form, which provides relevant information related to various programmes offered by the institution like common courses, core courses, complementary courses, open courses, add on courses, diploma and certificate courses, fee structure, rules governing admission and the fee to be paid at the time of admission. This gives an ample opportunity for the students to identify courses of more value in the current educational scenario. The prospectus is updated annually. Besides, the college website (www.stcp.ac.in) provides a comprehensive view of the college and is accessible to the students.

M. G. University introduced Centralized Allotment Process (CAP), for UG and PG programmes in 2009 and 2011 respectively. In this system, students apply directly to the university and the allotments are done by the university. All necessary information is comprehensively provided in the college handbook. The handbook is updated annually and is given to all students who secure admission. It contains the College Anthem, Vision and Mission, the names of the Members of the Managing Board, College Council and the IQAC, Facets of History, Programmes of Study, details of research centres, area of research and research guides, the faculty and staff with their phone numbers, details of the departments, admission rules, extract of rules and regulations of CBCSS and CSS, fee rules and fee chart, scholarships and prizes, M. G. University students' code of conduct, general discipline, UGC regulations on curbing ragging, grievance redress cell, library rules, college union, career guidance and counselling, extra-curricular activities, PTA and Alumni Association and extension centres such as IGNOU Study Centre, Civil Service Institute, etc. The handbook also includes the College Calendar with detailed year plan. This is a ready reference for students and they are advised to carry it with them to college every day.

The college 'Newsletter' an official news bulletin of the institution is published annually. It reaches out to the faculty, students, alumni and well-wishers, with an update of the college activities, achievements of teachers and students, programmes organized by the departments, clubs and forums as well as future plans. Besides, the various departments publish their own news bulletins.

5.1.2. Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The mission of the college is to impart holistic education to the youth from all strata of society. At the time of admission special consideration is given to students hailing from poor and marginalized sections and on an average 40 students are given 50% concession in college fee every year. Also there is a Poor Students Fund from which more than 50 students are given free noon meals and help for purchase of text books. There are various scholarships like Management Scholarships, cash awards instituted by various departments, well-wishers, PTA, Alumni,

Freeships, Sports scholarships and Endowment scholarships which are distributed on merit-cum-means basis. A special section has been constituted in the college office to handle scholarship matters. A total of Rs. 10,03,933/- was given away to the students as institutional scholarships and financial assistance in the last five years as detailed below:

Year	2009-10	2010-11	2011-12	2012-13	2013-14
Amount	174975	167900	203650	209972	247436

Every year scholarships are distributed during the annual PTA meeting. The details of institutional scholarships are given below:

Sl. No.	Name of the Scholarship	Instituted by	Awarded to	Amount
1	Proficiency Prize	Parent-Teacher Association	The best student in each class on the basis of marks in the Model Exam	Rs. 250 each
2	Best Athlete's Prize (2 Prizes)	Parent-Teacher Association	Two outstanding sportspersons recommended by the Physical Education Dept.	Rs.500 each
3	Best Cadet's Prize (2 Prizes)	Parent-Teacher Association	The best Army and Naval cadets	Rs. 250 each
4	Rank holders Prize	Parent-Teacher Association	Rank holders from this college in the University Examinations	I Rank Rs. 500 II Rank Rs. 400 III Rank Rs. 300
5	Fr. O.P. Eanas Scholarship (Two Scholarships)	Parent-Teacher Association	1) Student who wins a 1st class and the highest marks for MA Econ. from this college 2) The top-scorer with 1st class at the B.A Econs Exam	Rs. 750 (P.G) Rs. 500 (BA)
6	Bishop Vayalil Memorial Cash Award (Five Prizes)	Staff, St. Thomas College, Pala	Top Scorers in the Uty. Exams 1) Degree - One each for Physical Science, Bio-Science & other optionals. 2) P.G. - One each for arts and science	Rs. 100 each
7	Mgr. Joseph Kureethadom	Dr. A.M Mathai	The student who secures the highest marks for M.Sc. Statistics from St. Thomas College Palai	Rs. 2650
8	Fr. Joseph Kurias Cash Award	Prof. Cyriac Muthirakala	Top scorer in Second languages (I IDC) Syriac, Malayalam and Hindi to rotate in that order	Rs. 1200
9	Catholic Students Cash Prize. 6 Prizes	Faculty of Religion and Moral Studies	Top scorers in annual Religious exam Two prizes each for the three degree classes	Rs.250 each
10	Diocesan Religious Prizes	Diocese of Palai	Top scorers in annual Religious exam	I Prize Rs. 200 II Prize Rs. 150
11	Prof. P.M Chacko Prize	Botany Department	Top-scoring M.Sc. Botany and I DC Bot. students	Endt. Amt Rs. 5,000
12	Prof. A.V. Varkey Cash Prize	Department of Physics	Top-scoring Physics student in the IM.Sc. Physics Exams	Endt. Amt Rs. 11,500
13	Prof. A.V. Varkey Cash Prize	Prof. Joseph Moolayil	Top scorer in the II year B.Sc. Exam	Endt. Amt Rs. 5251
14	Prof. K.	Statistics	Top scorers in I M.Sc. and II DC	Endt. Amt

	Ramakrishna Pillai Scholarship	Department	Statistics Exams	Rs. 10,000
15	Bishop Vayalil Scholarship	Department of Politics	Top-scorer in M.A. Politics Exam	Rs.1000
16	Fr. Joseph Kinattukara Award	Department of Politics	Student who gets the highest marks in B.A Politics Exam	Rs. 150
17	Prof. Philip John Cash Prizes	Dept. of Commerce	II M.Com., III B.Com. and II B.Com. students standing first in the Uty. Exams.	II M.Com Rs 250 III B.ComRs 200 II B Com Rs 400
18	Prof. Abraham John Nidhiri Endt.	Nidhiri Family	Top Scorer in the Ist M.Sc. Bot. Uty Exam.	Endt. Amt Rs. 5,000
19	Fr. Joseph Nadayath	Faculty of Religion and Moral Studies	1)Rs. 1000 cash award to the Dalit Catholic who stand first in the I DC exam 2)Rs 1000 cash award to the best P.G. Arts and P.G Science Students	Endt. Amt Rs. 55000
20	Rev. Dr. Kuriakose Kottarathumkuzhy Memorial Medals	Shri. Thomas Mathew Kottarathumkuzhy	1). Student who gets the highest marks in MA (English) Previous Exam 2).Student who stands first in MA (English) Final Exam.	Endt. Amt. Rs. 8000
21	Prof. V.V. Mani Vettoor Memorial Scholarship	Dept. of Commerce	The Best student of Ist, IInd and IIIrd B.Com	Total Amt.1000
22	Sri. V.T. Joseph Memorial	His family	Top scoring II B.Sc Botany student	Endt. Amt Rs.10,0000.
23	Prof. V.J. Mathai Endowment	P.S.Mathew and O.A. Thomas	Student who gets the highest marks in M.A. (Econ.) Ist Semester Exam	Endt. Amt. Rs. 5,000
24	Prof. K.K. Abraham, Kakkatt	Prof. K.K. Abraham	5 BSc Zoology students on merit-cum means	Endt. Amt. Rs. 50,000
25	Prof. K.A. Jose Memorial Award	Family of Prof. K.A. Jose	Student who gets the highest marks in M.Sc. Mathematics Ist Semester Exam	Endt. Amt Rs. 5,000
26	St. Thomas College Founder Fathers' Trust Award	St. Thomas College Founder Fathers' Trust	An Alumni who has excelled in a selected area	Endt. Amt Rs 5 Lakhs
27	Rev. Fr. O.P. Eanas Enwt	Dept. of Economics	Top Scorer in B.A. Economics	Rs. 500
28	Principal P.M. Chacko Endowment	Parent - Teacher Association	Student who gets highest mark in Ist year Uty. Exam (For each Science subject)	Rs. 250
29	Dr. Cyriac Thomas Endwt	Dept. of Politics	Top Scorer - III B.A. Politics	Rs. 800

30	Prof. D. Ouseph Memorial Endt.	Dept. of Malayalam	For securing the highest mark in Sanskrit for M.A. Malayalam	Rs. 1000
31	Smt. Gyan Devi Endwt.	Dr. Raghuver Sharan Vyathit	Top Scorer in M.A. Hindi	Endt. Amt. Rs. 10000
32	Rev. Dr. George Ampazhathumka I Scholarship	Principal and HOD of Commerce	III year B. Com. (one), II year B.Com. (one) Dalit students	Rs. 3000
33	Prof. K. Philip John Memorial Quizzes on Commerce, Lectures	Commerce Alumni Assn. and Family members	IV Semester M. Com. (Two) including Dalit Christians. Inter collegiate seminars, workshops, symposiums, quizzes on commerce, lectures of eminent scholars in commerce, arrangements for campus selection and recruitment.	Rs. 100000
34	Prof. John Zacharias	Commerce Alumni	Students securing top marks in the Uty exam, II MCom (3), III BCom (2).	Rs 50000
35	Novartis Award	Statistics Alumni at Novartis Ltd.	On Merit cum Means to M. Sc Statistics/Biostatistics students	Endt. Amt. Rs. 20000.
36	Dr. P.J.Thomas Scholarship	Dr. P.J. Thomas Palackavayalil	From selected Degree Science students	Endt.Rs. 100000
37	Young Statistician Award	Ms. Lishamol Tomy	Best Research Scholar / M.Sc. Student in Statistics / Biostatistics	Rs. 25000
38	Biostatistics Award	First batch of M.Sc Biostat.	Top scoring student in M.Sc. Biostatistics with distinction	Rs 20000
39	Best statistician Award	Neemdu R., M.Sc. Student 2006-08	Merit-cum-Means and need	Rs 15000
40	Prof. M.M. Abraham Endwt	Commerce Alumni	Two top scorers in Ist M.Com	Rs 50000
41	Prof. George Francis Scholarship	His Family	2 top scores in Ist M.Sc. Chemistry	Rs. 25000
42	Sri. P.M. Mathew Scholarship	P.M.Mathew	Best Library use by M.A. Economics students	Rs. 10000
43	Alumni Assn. Scholarship	Alumni Association	5Students on merit-cum-means	Rs.10000
44	PASTCOS Scholarship	Kuwait Alumni	5 students on merit-cum-means	Rs.10000
45	George Thomas Kottukapally Award	Kottukappally family	Best Ethical Business Man from Kerala	Endt. Amt. Rs. 11 Lakhs
46	Dr. S. Rajasekharan Award	Dr. Rajasekharan	Best Student in I MA Malayalam	Rs 50000
47	Dr. P.C. Thomas Endwt.	Family Members	Best Student I MA Hindi	Rs. 10000
48	Diamond Jubilee Scholarship	Alumni Association	Five Students on Merit -cum-Means	Rs. 10000

49	Joseph Chandy Scholarship	Indian Jeevakarunya Charitable Soc.	6 Poor Students on Merit- cum- Means	Rs. 5000/- each
50	Prof.M.Sebastian Scholarship	His family	Top scorer in BA VI semester and MA IV semester in Politics	Total Rs. 30000/-
51	Smt. Aleyamma Joseph Koozhampala Endt.	Sunil Joseph Koozhampala	Top scorer in MA and BA Economics	Rs 25000/-
52	Prof. Antony Simon Endt.	Family members	6 students on merit-cum means	Rs. 5000/- each.
53	PASTCOS Scholarship	Alumni Kuwait	15 students on merit-cum means	Rs. 2000/- each.
54	STACS Scholarship	Alumni Dubai	6 students on merit-cum means	Rs 5000/- each

5.1.3. What percentage of students receive financial assistance from state government, central government and other national agencies?

Apart from the above mentioned institutional scholarships and financial assistance, students of the college receive numerous scholarships and financial aids from Central and State Governments, and other national / regional agencies like UGC, KSHEC, SC/ST Departments, etc. The IQAC and the Faculty Coordinator for Scholarships has taken a special initiative in encouraging students apply for scholarships. A special wing has been constituted in the college office to facilitate timely submission of applications as well as disbursal of scholarships and financial assistance to students. Now Govt. is transferring the scholarships to the bank accounts of students under DBT Scheme.

Details of Scholarships Received from Various Agencies

Sl. No	Name of the Scholarship	2010-11		2011-12		2012-13		2013-14	
		No. of Students	Amount (Rs)	No. of Students	Amount (Rs)	No. of Students	Amount (Rs)	No. of Students	Amount (Rs)
1	Central Sector Scholarship	12	180000	3	45000	27	405000	34	510000
2	KSHEC Scholarship	--	--	6	90000	28	420000	77	1155000
3	Kerala State Suvarna Jubilee Merit Scholarship	8	80000	7	70000	26	260000	24	240000
4	Post Matric Scholarship	25	87500	37	129500	166	581000	256	896000
5	UGC Merit Scholarship for Rank Holders	--	--	1	20000	2	40000	4	80000
6	Indira Gandhi Scholarship for Single girl child	3	60000	11	220000	20	400000	32	640000
7	Inspire Scholarship	--	--	--	--	1	50000	2	100000

8	UGC Scholarship for SC/ST/Minority	20	120000	20	120000	20	120000	20	120000
9	University Sports Scholarship	2	4000	6	16500	1	2000	2	4000
10	Blind/PH Scholarship	--	--	1	4000	7	34000	10	46000
11	Muslim Girls Scholarship (Paloli Committee Scholarship)	3	30000	1	10000	19	190000	9	90000
12	Hindi Scholarship	--	--	--	--	--	--	5	25000
13	State Merit Scholarship	4	2000	3	1500	13	6500	12	6000
14	Saineeek Scholarship for Children of Widows	--	--	--	--	1	180000	--	--
15	Acquire Scholarship	--	--	--	--	5	220000	--	--
16	Jindal Foundation Scholarship for Poor Students	1	24000	2	48000	5	120000	1	24000
17	Inspire Scholarship for research scholars	--	--	1	225000	1	225000	1	225000
18	University Scholarship for Research Scholars	8	480000	10	600000	14	1028000	--	--
19	Others (From other agencies like LIC, Malayala Manorama daily)	1	5000	--	--	6	71300	--	--
20	Kerala Sports Council Scholarship	19	319570	24	760570	18	255565	23	562915

On an average 50% of the students receive these scholarships of Central, State Governments and National agencies.

5.1.4. What are the specific support services/facilities available for 1) Students from SC/ST, OBC and economically weaker sections 2) Students with physical disabilities 3) Overseas students 4) Students to participate in various competitions/National and International 5) Medical assistance to students: health centre, health insurance etc. 6) Organizing coaching classes for competitive exams 7) Skill development (spoken English, computer literacy, etc.,) 8) Support for "slow learners" 9) Exposures of students to other institution of higher learning/corporate/business house etc. 10) Publication of student magazines

The institution is committed to provide the students every possible help and support they need in their pursuit to become civilized and worthy citizens. For the purpose of imparting holistic education, we provide necessary support to students.

1) Students from SC/ST, OBC and economically weaker sections

- The students belonging to SC/ST, OBC and the economically weaker sections are identified during the process of admission itself. The College maintains a detailed record

of the same.

- The institution takes a special care on SC/ST students and conducts orientation/awareness programmes with the support of the SC/ST Department of the State to convey that “education is the only weapon to solve any kind of problem” in their life and society.
- SC/ST Monitoring Cell is functioning in the college under the guidance of a senior faculty member to ensure the welfare of SC/ST students.
- Remedial coaching is conducted on a regular basis in the college aiming at improving the results of educationally backward students especially SC/ ST and economically weaker sections.
- Besides we also provide scholarships to backward students under the Dalit/Ambedkar Forum of the college.
- 20% of seats are reserved for SC/ST students in the hostel. They are given free food and accommodation with the aid from the SC/ST Department of the state government.
- Approximately, 40% of total number of students gets financial assistance from State Government.

Details of SC/ST, OBC, OEC, KPCR scholarships

	2008-09		2009-10		2010-11		2011-12		2012-13		2013-14	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
KPCR	269	276970	249	295700	249	328750	266	344325	243	534600	254	762000
SC/ST	110	528085	128	427890	111	464630	124	544930	215	1548000	234	1872000
OBC/OEC	153	390150	184	450800	147	389550	171	427500	178	391600	216	648000
SEB C/FC	34	127500	16	63200	45	164250	49	171500	115	460000	117	468000
Total	566	1322705	577	1237590	552	1347180	610	1488255	751	2934200	821	3750000

2) Students with Physical Disabilities

- 3% seats are reserved for students belonging to differently-abled category or physically challenged students as per UGC/ University/Govt. regulations.
- The institution is committed to accommodate them on the ground floor for their classes.
- They have peers to take care of them, escort them to their classes and help them in their studies.
- College takes special efforts to enable physically challenged students to secure Government freeships.
- Visually challenged students have a provision for scribes from the college during tests and final examinations.
- Sufficient number of wheel-chairs is made available in the college.
- Vehicles of such students are permitted to the door-steps of the buildings.
- Special seating arrangements are made for differently abled students during examinations.

3) Students from Lakshadweep

- Admission is given to students from other states especially from Lakshadweep as per the university guidelines. One seat per programme is reserved for Lakshadweep students.

- Children of NRIs are also given admission without charging any additional fee.

Year	2009-10	2010-11	2011-12	2012-13	2013-14
No. of Lakshadweep students	5	3	4	9	5

4) Students to participate in various competitions: National/International

The students participating in various competitions are encouraged by the institution. Deserving students are selected and deputed to participate in national conferences and state level programmes occasionally giving them attendance and financial assistance.

Year	2009-10	2010-11	2011-12	2012-13	2013-14
No. of Participants	17	21	14	11	6

5) Medical Assistance to Students: Health Centre, Health Insurance:

- All students are insured under the MG University Health Insurance Scheme with LIC. The College contributes Rs. 10/- per student per annum. Under the scheme the survivor or the insured as the case may be will get Rs. 300,000/- on the unfortunate event of death, and Rs. 100,000/- for serious injuries, sustained by the student.
- College organizes medical camps for the benefit of students. Every year medical check-up is carried out by qualified doctors.
- Proper arrangement of drinking water is provided in the campus (R.O. purified drinking water).
- First Aid facility is available in all the departments for the treatment of the sick/injured.
- The institution has a tie up with the local hospital (Marian Medical Centre) to be of help in case of any emergency.
- Besides, the service of doctors and nurses from Govt. General Hospital Palai is available for the college on request.

6) Organizing Coaching Classes for Competitive Exams

- Career guidance and personality development programmes are conducted for final year students by the Career Guidance and Placement Cell.
- Coaching for Bank Tests, UGC-NET/JRF examinations are also offered.
- Coaching for Civil Service Examination is provided by the Civil Service Institute functioning in the campus.
- Intensive coaching is given to shortlisted candidates for appearing for the campus placement drive of scheduled banks.
- Career-fests are organised every year.
- Mock interviews, group discussions and soft-skill development programmes are conducted.
- Coaching classes are conducted in many departments to equip the students to appear for various competitive examinations.
- Peer teaching system is introduced in many departments, which help candidate perform well in interviews for the selection of Assistant Professors in colleges.

7) Skill Development (Spoken English, Computer Literacy, etc.)

- Diploma in Computer Application (DCA) is on offer to all students as a value added programme.
- Students, both at PG and UG level, are to present their seminars and projects with ICT tools like Power Point presentations etc.
- Computers with Internet connectivity are installed in select PG and III DC classrooms.
- The college has entered into an MoU with the Department of Higher Education, Govt. of Kerala for offering skill development programmes under the ASAP in which special

training in Communicative English and use of ICT resources are provided.

- The Department of English has earmarked a place in the campus known as 'English Speaking Corner' to help the students to overcome their inhibitions in English communication.
- 'ComArena' is an annual inter-collegiate commerce and management festival conducted by the Department of Commerce. Students of the Department are actively involved in planning, organizing and executing the programme. The programme offers an excellent opportunity for students to highlight their communication and organization skills.
- The College is having a full-fledged Computer Centre offering Diploma in Computer Application to students.
- The College has executed an MoU with KELTRON, Govt. of Kerala for offering training programmes in computer networking and software development. A Diploma in Network Engineering and Computerised Instrumentation was held in collaboration with KELTRON Centre for Technical Education during 2012-13.
- Students can avail themselves of any of the Career Oriented Programmes (Diploma & Certificate) along with the Degree Programmes.
- Departmental associations also help students to develop their talents and enable them to develop creative and organising skills through Intra-departmental, Inter-departmental and Inter Collegiate programmes.
- The General Library has a special section which houses a rich variety of books on personality development and Leadership.

8) Support for Slow Learners:

- Students with low attention span/grasping power, students who have studied in non-English-medium schools and slow learners are identified at the beginning of the session.
- The UGC assistance for remedial coaching is fully utilized by providing remedial coaching.
- Services of guest lecturers are also utilized to give remedial coaching to slow learners.
- Issues of slow learners are discussed with their parents also during 'Meet the Parents' programme.
- Slow learners are given special care and counselling under the tutorial system.
- Remedial classes in different subjects are conducted for slow learners especially students from SC/ST and other weaker sections.

Details of Remedial Coaching

Year	2009-10	2010-11	2011-12	2012-13	2013-14
No. of Sessions	400	400	400	400	400
No. of Students	324	346	374	365	357
Amount Utilized	132000	132000	132000	132000	132000

9) Exposure of students to other institutions of higher learning/corporate houses, etc.

- Industrialists, educationists, scientists, vice-chancellors, etc. are invited to the campus and opportunities are provided to students to interact with them.
- PG students are encouraged to attend the Open Defences of Ph.D. theses.
- Students are sent abroad under various exchange programmes.
- College encourages students to interact with other institution through competitions, conferences and seminars.
- Every year students from foreign universities visit the campus and interact with our students.

- Students are sent to other reputed institutes to carry out their project works.
- Commerce students get exposed to the functioning of various financial firms and banks through on the job trainings.
- When eminent academics from foreign as well as Indian universities visit our institution, we provide ample opportunity to our students to interact with them and to get a better perspective of related subjects.
- Moreover, students are sent to other institutes when eminent scholars give invited lectures there.
- Every department conducts annual study tours. It is made mandatory that students should visit important institutions/ business houses, laboratories, etc. during the tour.

10) Publication of Student Magazines

- The College publishes its annual magazine 'Thomist' utilizing the Magazine Fund of the College Union collected at the time of admission. It provides an opportunity for the students to try their creative skills. Students come out with a range of creative products in terms of genres as well as language. The Student Editor of the college magazine is elected in a democratic way along with the election to the college students' council. The College magazine is printed under the supervision of an editorial board consisting staff and students. The staff coordinators help students in mobilizing funds through advertisements and sponsorships. All the major sections of the magazine have their staff editors as well as the student editors.
- Under the auspices of Women's Forum a manuscript magazine is published every year. Necessary fund is made available by the college.
- Under the auspices of the creative forum of NSS, a manuscript magazine is published every year.
- Hostel students also publish manuscript magazines at hostel level. The Warden provides necessary support.
- The students of the Communicative English and Malayalam Departments regularly publish campus newspapers every year.
- In most of the departments students publish their own magazines. Members of faculty help them in mobilizing necessary fund through sponsorships.

5.1.5. Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- An Entrepreneurship Development (ED) Club is functioning in the college. The purpose of the Club is to develop entrepreneurial abilities and aptitude among students. It tries to fulfill its mission through:
 - Identification of opportunities for self-employment
 - Augmenting entrepreneurship among students through training and
 - Inculcating the "Spirit of Entrepreneurship" in youth.
- Activities of the ED Club were formally inaugurated on 17 January 2012 by Ms.V.B. Prasannakumari, Manager, District Industries Centre (DIC), Kottayam. Dr.T.C Joseph, M.D., Dolphin Group of Companies participated.
- Following are some of the activities held under the auspices of the ED Club.

1. Motivational training programme

A motivational training programme was held on 14 August 2012. The sessions handled by Mr. K.J.Jayanth, Chief Mentoring Influencer, Deeksha Mentors, Palakkad were very useful for the participants. Participants came forward with innovative ideas during the

brainstorming session.

2. Workshop on Web application development

Conducted a workshop on Web Application Development and Content Management System using 'Joomla' on 19 Feb 2013. Thirty seven students from different departments participated.

3. Certificate course in Professional Photography

A certificate course in Professional Photography was organized for one batch. Classes were arranged on four Saturdays with the technical support of Creative Hut, an institute of photography and film. The certificates for the students were distributed on 5th April 2013.

4. Workshop on starting a new venture

A team of six students and a teacher participated in the 'One Day Workshop on Starting a New Venture' organised by District Industries Centre, Kottayam on 8th March 2013.

5. Kaithary Exhibition, Seminar, Quiz, and Kaithary dressing competition

District Industries Centre in association with Kerala Handloom Directorate organised a one day programme under the auspices of ED Club on 28th February 2014. The programme consisted of Kaithary Exhibition, Seminar, Quiz, and Kaithary dressing competition. Prizes were distributed to the winners.

6. Start up Boot Camp

A team of four students with accompanying teachers participated in the 'Startup Boot Camp' held at M.G University, Kottayam on 15th March 2014. The classes were a great inspiration to the participants. The programme focused on how to start a venture in IT field.

- Career Counseling and Guidance cell assesses the needs of entrepreneurs and prepares a comprehensive training module to equip the outgoing students with necessary skills.
- Department of Commerce conducts a commerce and management fest called COMAREENA every year. It gives ample opportunity for students to showcase their organization skills and leadership qualities.
- A 'Meet the Entrepreneurs Programme' is conducted by the IGNOU Study Centre as well.

5.1.6. Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

*** additional academic support, flexibility in examinations *special dietary requirements, sports uniform and materials *any other**

- The institution is committed to encourage students to participate in various extracurricular and co-curricular activities. The necessary facilities are provided and adequate funds are allotted in this regard.
- The Department of Physical Education and the college youth festival / cultural committees under the guidance of staff coordinators supervise the extracurricular activities.
- The students who participate in the sports activities or other extracurricular and extra-mural activities are given special internal exams, if they could not attend these due to the competitions.

Support for Students Participating in Sports and Games:

- Talented students with high performance in sports and games are admitted through sports quota in UG and PG programme as per rules.

- Selected students are provided with free boarding facility in the sports hostel throughout the degree programme.
- Care is also taken to extend the dietary requirements throughout the year to the sports student to undergo sustained physical training. With the financial support of Kerala State Sports Council and the college, the dietary allowance is fixed as Rs150/- per day.
- Sports Training kit and uniform are also provided to all the team members of the college.
- The PTA of the college also extends financial support for the needy sports person and has instituted scholarship for excellence in sports.
- Kerala State Sports Council supports the college through sponsoring young athletes and extending the service of experienced and qualified coaches in various sports items for imparting training to the budding stars with a special focus on the Sports Hostel for Volleyball and Athletics.
- The travelling and daily allowance is also provided to the athletes to represent the college in various sports activity.

The sports activities consist of Athletic Meets, All Kerala Bishop Vayalil Memorial Volley Ball Tournament, All Kerala Sports Quiz and College Annual Sports Meet. Another intercollegiate competition, Prof. M.T. Tharian Trophy Intercollegiate Cricket Tournament, is conducted by the College Union. Friendly matches are also held between staff and students.

Details of Achievements in Sports and Games

a) Performance at all India inter-university and national level competitions

a) Performance at an India Inter university and National level competitions							
Year		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Number of Participants		118	120	100	80	76	51
Position	Gold	7	16	8	2	10	5
	Silver	4	4	3	4	4	1
	Bronze	2	9	2	8	3	--

b) Performance at State level competitions

Year		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Number of Participants		22	17	15	15	17	11
Position	Gold	5	4	2	1	--	1
	Silver	3	--	1	--	3	--
	Bronze	--	2	1	--	--	3

c) Performance at inter-collegiate competitions

Year		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Number of Participants		100	140	110	126	130	120
	Silver	9	26	14	9	6	5
	Bronze	6	16	17	20	16	24

St. Thomas College Youth Festival

- The St. Thomas College Youth Festival provides opportunity for the students to come to a common platform to display their cultural and artistic talents. The programme also aims at promoting friendship and fellowship among the students together with recognizing and appreciating the rich and glorious cultural heritage of our country and the institution.

Every year, competitions are held for about 50 events in the college, that includes story writing, essay writing, poetry writing, elocution, quiz, film review, photography, cartooning, painting, collage, clay modelling, light music, classical music, group song, fancy dress, mime, mono-act, mimicry, photography, kavithaparayanam, poster designing, collage, poetry recitation, dance events, one act play, etc. The Festival is conducted as a five-day programme, three days for the off-stage items and two days for the stage events. The winners of the college Youth Festival move to the University as well as to the Inter University level competitions.

- In 2010-11 our college was the overall champion for the literary events at the University level. In this year, our quiz team won I prize in the University and participated in inter-university youth festival.
- During 2011-12 our team won prizes for Film Review and Mimicry at the University level.
- During 2012-13 our team won five prizes at the university level, including Ms. Indu Peter, who won II Prize in English poetry writing, Ms. Parvathy Krishnan who got A-grade in story writing, Sri. Prince T. Jose who won A-grade for Film Review, Sri. Arjunlal, who got A-grade for collage, etc. Ms. Indu Peter got a second prize at the Inter University festival as well.
- During 2013-14, our college stood at the seventh position in the University Youth Festival. Our final year BA student Sri. Arjunlal was the Kalaprathibha in the University. He got two first prizes with A-grade, in collage and clay modelling. Our MA Malayalam student Sri. Prince T. Jose got a first prize and a second prize in Film review and Malayalam essay writing, respectively. Our M.Sc. Physics student Ms. Chandini Anand got a second prize in Kavyakeli.
- Many of our students won prizes in several intercollegiate competitions like Quiz, Debate, Speech, English Quiz, Mathematics Quiz, Chemistry Quiz, Physics Quiz, Economics Fest, Commerce Fest, Management Fests, Malayalam Fest, English Literary Fest, etc. conducted at various colleges.

Dr. Ison V Vanchipurackal, Asst. Professor, Dept. of Physics serves as the coordinator of the Youth Festival.

Book Lovers' Club:

A voluntary Organisation of students - Book Lovers' Club - intends to promote reading habits among students. Every month members of the club meet and one of them would introduce a book. Introduction is followed by active discussion and concluding remarks by a faculty member.

Readers' Forum:

Readers' Forum is an association of students who are interested current affairs. The main motto of the forum is to inculcate the habit of reading and to nourish it. In order to encourage the students a quiz competition is held on the last working day of every month. The quiz competition is based on the newspapers and magazines of the current month. Prizes are distributed on the spot to the winners.

Oratory & Debate Club:

Oratory & Debate Club is an association of students who are interested in speech and debate. Training is given to the students to develop their skills in public speaking. The members of the club participate in inter-collegiate oratory and debate competitions. The club inspires the students to think over contemporary issues like environmental pollution, temperance movement,

drug abuse, gender issues, social issues, economic issues etc. and to respond positively in the larger interests of the society. Thus the club plays a vital role in moulding the future society. Further the club helps the students to appear in interviews and discussions with self-confidence and clear convictions on various issues. The members of the club meet twice a month.

St. Thomas Society for Science and Religion:

The St. Thomas Society for Science and Religion is founded in the college with the following objectives:

- To encourage greater understanding of the religious and spiritual significance of science for the benefit of humanity.
- To promote the study of science and religion in a network of groups consisting of members of the faculty and staff and students of the college as well as those of neighboring institutions of higher learning, high schools and the local community.
- To increase awareness in recent scientific discoveries and the ethical and moral issues posed by them and to encourage participation of individuals in science-religion dialogue.
- To train the youth to give more emphasis for values and morality in the modern scientific society.

The society conducts seminars, discussions and debates on topics related to science and religion in the college. It organizes outreach programmes as well.

National Cadet Corps (N.C.C.):

- Membership of the N.C.C is optional. The main purpose of N.C.C is to provide military training to the students, inculcating in their minds the twin ideals of duty and discipline.
- Through training camps the N.C.C. provides valuable opportunities for developing one's physical and intellectual potential.
- Students who pass the B and C examinations will find it easy to get commissioned posts in the army/navy.
- It may be noted that membership in the N.C.C. entitles one to get weightage in admissions to various programmes of study.
- We have both the Navy and the Army wings of N.C.C.
- A maximum of 10 days duty leave per semester is provided to cadets for participating NCC activities.
- Both Army and Naval cadets participate in State/National level Training Programmes, Tal Sainik Camps, Republic Day Parades etc.

List of Students Attended the Republic Day Parade at Delhi

Academic Year	Participants
2009-10	Gokul Raj, I DC Chemistry, No.139
2010-11	Joseph John, I DC English, No. 464 Pranavu P. R, II DC Botany, No. 201
2011-12	Vishnu Raj, I DC Chemistry, No. 151 Arun Reji, III DC Mathematics, No. 8 Arun M, I DC Physics, No. 74 Christymon George, I DC Politics, No. 389
2012-13	Abhijith Prasad, I DC Physics, No. 61 Justine Simu Baby, I DC Mathematics, No. 17 Vishak K. T, II DC Zoology, No. 271 Rakesh K.R, I DC Malayalam, No. 557
2013-14	Joby Varghese, II DC Politics, No. 401

Manu Thomas, IDC Politics, No. 406

National Service Scheme (N.S.S.):

- We have three units of NSS with more than three hundred volunteers. Admission is open to I DC and II DC students only. The duration of the programme is two years. In order to become eligible for the NSS certificate, the volunteers have to put in 240 hours of regular activities and attend a ten day work camp.
- Membership in the NSS carries a weightage of 15 marks for admission to degree classes and 5 marks for admission to PG courses in addition to grace marks for university examinations.
- The NSS units of our college are engaged in social awareness and cultural programmes. A Nature Club and a Bhoomithra Sena are functioning under the auspices of the NSS.
- In 2008–09 academic year, Akash Paul Koshy of this college participated in the Republic Day Parade held at Delhi.
- A maximum of 10 days duty leave per semester is provided to cadets for participating in NSS activities.

Women's Forum & Vanitha Jagratha Samithi:

- As part of women empowerment, various programmes are organised under the auspices of the Women's Forum.
- In collaboration with Jana Maithri Police, problems faced by women are discussed and solutions are found out by the Vanitha Jagratha Samithi.
- This forum consists of all lady students/teachers of the college along with representatives from the staff, PTA, etc.

Catholic Students Movement (C.S.M.) & Jesus Youth:

- C.S.M. is an organisation in the campus which extends services and facilities towards character formation of all the students.
- The basic aim of the activities of the C.S.M. is the integral personality development of youth in the campus. To realise this objective C.S.M has three dimensional activities, spiritual, cultural and social.
- To promote their intellectual and cultural development, the students are given various training programmes like value education camps, leadership training camps, mass media awareness programmes etc.
- Under social action students are guided for ensuring peace and harmony.
- Jesus Youth functioning in the college also organises prayer meetings, visits to orphanages, donates clothes, distribute food packets etc.
- Through, 'Miss-a-Meal Programme', on Fridays, students voluntarily contribute food packets or its cost to Mariasadanam Orphanage.

5.1.7. Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

- The college has a Career Guidance and Placement Cell for providing support and guidance to the students in preparing for competitive examinations
- Students who appear for various competitive examinations are helped by teachers.
- The college library provides a separate section for books on competitive examinations.
- The college takes adequate measures to equip students for civil services exams, and

- UGC-CSIR-NET/SET exams providing them with adequate reading material.
- Coaching for Bank Tests, UGC NET/JRF exam are also offered.
- Two guide books on Bank Tests- for clerical and POs, prepared by our faculty have extensively been used.
- Career fests are organised every year.
- The Management of the College has established a 'Civil Service Institute' in the campus to provide coaching for Civil Service Examinations.

Number of students qualified in various competitive examinations

Exam.	Number of students qualified					
	2008	2009	2010	2011	2012	2013
UGC/CSIR	24	22	24	22	48	37
GATE	2	1	1	4	3	7
IAS/ IPS/ IFS/ISS etc.	1	3	1	1	2	1
SET	12	10	11	14	12	10

5.1.8. What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)

Academic and Personal Counselling

- Tutors/mentors are assigned for each degree and PG batch to closely monitor the students and provide them necessary academic counselling.
- Besides, the students are provided personal counseling by trained teacher counselors. Four members of the faculty are trained personal counselors.
- The college owns a team of highly qualified teachers who provide academic counselling and motivation to the students for their holistic development.
- Five of our teachers have successfully completed a six-months training programme in Counseling conducted by Santhwana Counseling Centre, Palai. These teachers also provide counselling support to students.

Career Counseling and Guidance:

- There is an active Career Guidance and Placement Cell functioning in the college which provides counselling in all career related matters. It provides training in group discussions, interviews, communication skills, etc.
- The college is having the services of four teachers as Career Counselors. After attending a 3-week course at the Institute for Career Studies at Lucknow, they have been certified as professional Career Counsellors. Students and parents contact them for proper guidance and advice related to career choices, professional courses and their eligibility criteria as well as their future prospects etc. They also conduct career orientation programmes.
- A programme for career guidance and personality development is conducted for all final year students by the career guidance centre every year.
- Coaching for Bank Tests and UGC NET/JRF exam are also offered at the college level.
- Campus Recruitments and Career Fests are organised every year.

Personal and Psycho-Social Counseling Service:

- With the active support of the PTA, the Faculty of Religion and Moral Studies offers counselling service to students.
- The college has Rev. Sr Anna Mary Bezawada, a member of the faculty as counsellor for

lady students.

- A specialist counselor, Rev. Dr. Mathew Panthalanickal, is available in the college on all working Wednesdays and provides personal and psycho-social counselling services to the students.
- These activities are carried out under the auspices of Faculty of Religion and Moral Studies. It is a voluntary association of teachers.
- The Faculty conducts religious/moral instruction classes regularly for students. It also organises retreats, seminars, orientation programmes, HRD programmes, prayer meetings etc. for students to ensure their mental health.

5.1.9. Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

We have a Career Guidance and Placement Cell supported by UGC, which renders effective career formation to the students. The placement cell extends its services to students in career guidance, organizes lectures concerning career planning and invites companies for campus recruitment. The students of the institute are sent to off campus interviews also. The following services are provided by the Career Guidance and Placement Cell:-

- **Information on Job Opportunities:** The students are informed about the vacancies notified by govt. and other agencies. Newspaper and other advertisements are exhibited on the College Notice Board.
- **Preparation of Curriculum Vitae:** Members of the Placement Cell render guidance to the students in formal and informal meetings. They are given training in preparation of CV/ Biodata.
- **G.Ds/Interviews:** The College organizes sessions of Group Discussions and Mock Interviews for the candidates who have succeeded in the written test. The drilling exercise takes place till the candidate is totally confident regarding his performance for the final interview.
- **Model Tests:** Career Guidance and Placement Cell conducts model tests for various written examinations.
- **Bank Test Coaching Centre:** The College has a full-fledged Bank Test Coaching Centre with an experienced team of teachers to provide regular coaching for the Banking Service Examinations for recruitment of POs and clerks. Coaching is provided to regular students of the college and alumni. On an average 400 students participate in the coaching programme annually.

Table Showing Details of Placement/Campus Recruitment

Employer	No. of placements in the year					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
South Indian Bank Ltd.	21	20	18	19	22	40
Federal Bank Ltd	-	3	11	13	17	19
S B T & S B I	19	15	18	21	19	21
Canara Bank, Syndicate Bank	-	6	7	5	3	4
Novartis, TCS, Cognizant Tech.	20	14	22	21	18	23
Colleges / Universities	32	21	24	34	41	45

Govt. Depts & MNCs	45	66	42	68	52	78
Schools, Insurance Sector, etc.	51	32	45	80	76	63
Total	188	177	187	261	248	293
Percentage of Outgoing Students	42.7	35.40	37.4	43.5	49.3	53.3

5.1.10. Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

- The college has a Grievance Redressal Cell consisting of three members with Vice-Principal as Chairman and two senior faculty members. The Cell looks into the grievances of students.
- The students can either approach the cell in person or deposit their grievances in the complaint/feedback box placed in front of the Principal's Office. Students are also free to share their grievances with the class teachers/tutors and also with the Principal. During the last four years, the cell of the college has settled complaints registered by the students.
- Grievance related to internal assessment are heard and redressed at the Department level and if needed, taken up at the college level.
- Suggestion boxes were set up at major locations in the campus.
- Besides, the College Union establishes a linkage between the university and students to address the anomalies related to exams and results.
- In addition, the High Power Committee helps to settle complaints relating to transportation facilities.

Sl No.	Grievance	Action Taken	Status
1	Poor Canteen facilities	Better and improved canteen with modern facility provided.	Solved
2	Separate space for girls in the Canteen	Canteen facility made available to girls in a separate room.	Solved
3	Inadequacy of toilets for girls.	Ladies toilet facility improved and a common room allotted.	Partly solved and ladies room in every block is in the pipeline.
4	Inadequacy of toilets for boys	New toilets for boys have been constructed.	Solved
5	Lack of Drinking water inside the buildings	Water purifiers installed at major points in the College.	Partly solved and planning to install water purifiers in each floor.
6	Inadequate generator facility	A new generator installed for uninterrupted supply of power.	Solved
7	Small computer lab	A spacious computer lab with sufficient number of PCs has been set up.	Solved
8	Very slow internet connection	Speed of the internet connection has been increased by optical fibre cabling	Solved

9	Lack of fans in class rooms	Fans are installed in class rooms	Solved
10	Library working time is not user friendly	Library time extended.	Partly solved and plans to extend the working time from 8 am to 8 pm.
11	Complaints regarding Bus travel concession	Sought the help of Janamaithry Police under the leadership of the High-power committee.	Solved to a large extent.
12	Limited facility for fitness and health	Request for a gymnasium and fitness centre open to all was fulfilled.	Solved
13	Lack of convenience in the Sports Hostel.	Renovated the Sports Hostel.	Solved
14	Inadequacy of water	Dug new well, fitted new tanks and constructed a water harvesting plant of one Lakh litre capacity.	Solved
15	Dining hall for students	Required facility is provided in the canteen and decided to build a students centre.	Partly solved
16	Harassment of girls at bus stops and during travel	Started Vanitha Jagratha Samithi and alerted Womens Forum to empower girl students.	Solved to a large extent.
17	No regular lady teachers	Lady teachers were appointed on regular basis.	Solved

5.1.11. What are the institutional provisions for resolving issues pertaining to sexual harassment?

- **Women's Forum:** To prevent sexual harassment against women, Women's Forum has been strengthened.
- **Vanitha Jagratha Samithi:** In addition, a Vanitha Jagratha Samithi has been constituted in association with Jana Maithri Police. This Samithi consists of all lady students/teachers of the college along with representatives from the staff, PTA, etc.
- **Anti-harassment Cell:** There exists an Anti-harassment Cell, consisting of the ladies hostel wardens and the lady teachers, to prevent harassment against women. Continuous vigilance by college authorities and the recent govt. orders ensuring legal protection to women have gone a long way in preventing sexual harassments.
- **Ethics Committee:** As per G.O. No. 1102/05 dt. 24-06-05 a committee with the Principal as Chairman, PTA President as Coordinator, Staff Secretary as Convener and College Union Chairman as Joint Convener is formed to ensure ethics in the use of IT resources and the conduct of cultural activities. The staff coordinator of Women's Forum and College Union Vice-Chairperson are also its members. The committee would constitute a squad for surprise checking for mobile phones, unethical pamphlets, books, CD's etc. The squad is empowered to confiscate any such things and report the matter to the Principal at the earliest to prevent unethical activities.

5.1.12. Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

- The College has set up the **Anti-Ragging Committee** for the purpose of preventing the menace of ragging of all sorts. However, no such instances have been reported till date.
- The details of the Anti-Ragging Committee are given in the college website and calendar with phone/mobile numbers of the members for immediate contact.
- **Anti-Ragging Squad** is nominated by the Head of Institution with such representation as considered necessary. The squad should make surprise raids in hostels and other hot spots and be empowered to inspect places of potential ragging. It works under the overall guidance of the Anti-ragging Committee.
- **Monitoring Cell** ensures the involvement of senior students as 'Mentors' for the 'Freshers'. This cell is formed at the end of every academic year. There are as many levels of Mentors as the number of batches in the institution. The Anti-ragging squad and the Head of institutions are involved in selecting the members of the cell.

5.1.13. Enumerate the welfare schemes made available to students by the institution.

The institution is working towards ensuring social justice through the various student welfare schemes. The induction program clearly presents the welfare schemes available to the students. There are various welfare schemes such as SC/ST welfare fund, KPCR Commission Fee Concession, Welfare fund for Sportspersons, etc. In addition, the Poor Students Fund, Free Meals Programme etc. are instituted by the college for the benefit of poor students. The college Cooperative Store gives discounts to students in the purchase of books and stationery. The college canteen gives meals and other items at reduced rates to the students. Students get technical help from the college office to avail themselves of educational loans from the nationalized banks. The playground of the college and other facilities for sports and games are made available to the entire student community.

The following is a list of welfare facilities for students available in the college:

- Endowments, Freeships and Scholarships
- St. Thomas Society for Science and Religion
- Catholic Students Movement (C.S.M.) & Jesus Youth
- Women's Forum & Vanitha Jagratha Samithi
- Poor Students Fund
- Free Meals Programme
- Career Counselling and Guidance
- JRF/NET Coaching
- Bank Test Coaching
- Career Guidance and Placement Cell
- Organizing coaching classes for competitive exams
- College Cooperative Store for staff and students
- Subsidized Meals for students from College Canteen
- Grievance Redress Cell
- SC/ST Monitoring Cell
- Purified drinking water facilities and water coolers
- English Speaking Corner, English Quest
- Commerce and Management Fest
- Economic Fest
- Subject Associations for each department
- Soft skill training and personality development programmes

- Entrepreneurship Development (ED) Club
- Personal and Psychosocial Counselling Service
- Most Ethical Business Man Award instituted by Alumni
- Value education classes, Life orientation programmes and annual retreat
- Health Club and Multi-gym
- Multipurpose Indoor Stadium
- Sports hostel and special diet for the sports persons
- Miss a Meal Programme for Orphanages
- Civil Service Institute
- Blood Donors Club (Red Ribbon Club)
- Legal Aid Service
- Grievance Redressal Cell
- Opening Bank account with zero balance

5.1.14. Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

- The college has a registered alumni association with Reg. No. KTM/13/2013. All students who pass out from this college are given membership in the association. St. Thomas College Alumni Association is an active organisation which aims at the inculcation of intimate fellowship and promotion of frequent interaction among the former students of the College.
- The Alumni Association is having different chapters abroad, such as PASTCOS - Kuwait, Bahrain, Doha, Dubai, USA, etc.
- Besides this, each department has its own Alumni Association.
- The College Alumni Association organises a rich variety of programmes aimed at the integral growth of the college. Its activities include organizing Seminars, Memorial Lectures, Conferences, Quiz Programmes, Debates and Discussions etc.
- It also assists the college in conducting various academic programmes as well as sports activities utilizing the expertise of the members. They are actively involved in the infrastructure development of the college.
- Alumni Association extended financial support of more than Rs. 25 Lakhs for the construction of the Golden Jubilee Memorial Library Building.
- They celebrate the Alumni Day on 7th August, being the day of the foundation of the college.
- The Alumni serve as resource persons for various enrichment programmes.
- The Alumni Debate Forum meets every month on first Saturdays and discusses current issues and organises debates at HRD Centre, Pala.
- It has instituted an Endowment fund with corpus amount Rs. 7.50 Lakhs to gratefully acknowledge the services of the Founder Fathers namely, Late Bishop Mar Sebastian Vayalil, the founder-Patron of the college, Late Msgr. Joseph Kureethadam, former Principal and Late Prof. V.J. Joseph, the first Vice-Principal of the college.
- The Founding Fathers Trust of the Alumni Association has instituted awards for those excelling in various fields such as Education, Science & Technology, Social Service, Agriculture, Literature and Administration.
- The Alumni Association together with Sri. George Thomas Kottukapally Trust has

instituted an award worth Rupees One Lakh for the “Best Ethical Business Man of Kerala” in memory of Sri. George Thomas Kottukapally, former M.P. who was instrumental in the starting of the college. A corpus sum of Rs. 11 lakhs has been paid by Kottukapally family.

- The Commerce Alumni Association has sponsored the renovation work of two classrooms for M.Com students at cost of 2.37 lakhs.
- Statistics Alumni Association sponsors Prof. Ramakrishna Pillai Statistics Quiz Competition.

5.2. Student Progression

5.2.1. Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Student Progression	Percentage of students in the year				
	2008-09	2009-10	2010-11	2011-12	2012-13
UG to PG	51	54	53	55	57
PG to M.Phil./Ph.D.	9	12	10	10	9
Employed (Out of Outgoing UG & PG)					
Campus selection	14.7	12.2	11	13.5	12
Other than Campus selection	68	63.2	68.4	46	39.3

The data above show that majority of the undergraduate students go for higher studies. But, in the case of Post Graduates, about 10% go for higher studies. Majority of the PG students go for B.Ed. after appearing the PG examinations since they can complete the B.Ed. course by the time the results are announced.

5.2.2. Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

a) Number of top 3 ranks obtained in university examinations

	2008-09	2009-10	2010-11	2011-12	2012-13
I Rank	5	6	8	4	2
II Rank	4	3	4	4	3
III Rank	4	5	3	2	2
Total	13	14	15	10*	7*

*From 2011-12 academic year onwards, university is not declaring ranks for UG.

b) Completion Rate for various programmes

b) Completion Rate for various programmes							
Sl. No.	Programme	Completion Rate (%)					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
UG							
1	B.A. Economics	100	100	98.6	99.3	100	99.4

programmes not offered there, we have used the results of two more colleges. (Bold entries correspond to St. Thomas College Palai)						
Sl. No.	Programme	Percentage of Pass				
		2008-09	2009-10	2010-11	2011-12	2012-13
UG						
1	B.A. Economics	97.62	85.11	96	96.3	76.19
		74.28	76.92	76.31	72.97	64.71
2	B.A. Politics (College 3)	100	91.49	88.88	100	86.84
		91	100	96	76	50
3	B.A. Eng. Lang. & Literature	73.53	75.68	80	100	92
		82.05	70.00	69.23	94.73	89.66
4	B.A. Malayalam	100	100	72.7	100	86.67
		86.36	80.95	89.47	94.44	62.50
5	B.A. History with Archaeology & Museology (Vocational)	100	100	71.42	100	50
		50.00	50.00	68.18	72.22	81.82
6	B.A. Eng. Lit. & Comm. Studies (Self Financing)	100	100	100	100	90.63
		79.16	85.71	--	--	--
7	B.Sc. Mathematics	96.15	66.67	77.78	95.5	90
		82.75	67.74	68.00	83.78	95.24
8	B.Sc. Physics	80.65	100	67.86	100	94.28
		60	68.88	66.66	81.25	80.77
9	B. Sc. Chemistry	68.75	65.22	45.45	89	83.87
		76.31	66.67	82.50	82.75	65.22
10	B. Sc. Botany	100	83.33	88.24	85.7	92.85
		85.71	81.81	78.79	80.00	82.61
11	B.Sc. Zoology	71.43	57.14	66.67	83.3	50
		68.96	60.00	78.78	67.74	71.43
12	B.Com.	88.68	75.93	92.59	100	93.10
		73.80	78.72	100	97.56	95.24
PG						
1	M. A. Economics (College 2)	93.75	80	90.91	100	86.36
		94	93	82	82	78
2	M. A. Politics (College 3)	71.42	46.7	83.33	77.3	45
		75	76	68	71	62
3	M.A. English	86.36	83.33	88.46	100	95.83
		73.68	85.71	93.33	77.78	78.57
4	M.A. Hindi (College 2)	80	75	92.31	84	57.89
		93.75	92.31	85.71	78.57	82
5	M. A. Malayalam (College 2)	73.33	86.66	92.31	100	83.33
		100	78	85	74	94.44

6	M.Sc. Mathematics	53.33	55.55	100	100	81.25
		54.54	50.00	50.00	26.27	20.00
7	M. Sc. Statistics (College 2)	100	100	100	100	92.85
		93	87.5	100	88.88	94.11
8	M. Sc. Physics	31.25	100	87.5	88.5	87.5
		80.00	37.55	27.27	53.85	50.00
9	M. Sc. Chemistry	72.22	81.25	81.25	95	57.89
		55.55	70	55.56	36.36	42.85
10	M. Sc. Botany	100	100	91.67	100	83.33
		62.50	33.33	40.00	60.00	40.00
11	M.Sc. Bio-Statistics (Ours is the only college offering this programme in Kerala)	87	100	100	100	100
		NA	NA	NA	NA	NA
12	M. Sc. Bio- Technology	75	54.54	63.16	100	40
		100	100	100	80.00	71.42
13	M. Sc. Appl. Microbiology (Ours is the only college offering this programme in Kerala)	91.66	91.66	95.24	92	100
		NA	NA	NA	NA	NA
14	M.Com.	75	93.75	100	86.66	94.44
		81.81	100	86.67	73.33	90.00

5.2.3. How does the institution facilitate student progression to higher level of education and/or towards employment?

- Academic excellence, teamwork and innovative methodologies of our teachers for inculcating research aptitude, and pursuit for excellence in higher education have been instrumental in facilitating progression to higher levels of education among our students.
- The college offers 15 postgraduate programmes and 10 research disciplines leading to Ph.D. which itself should naturally motivate our students to pursue higher education.
- The college organizes a number of national/international conferences and seminars ensuring participation and interaction of our students with internationally reputed experts.
- There are 207 research scholars and 77 research guides in our campus who act as catalysts for academic progression. A phenomenal and rare sight.
- The research scholars conduct seminars on their research topics and undertake peer teaching with a view to motivating students to pursue research.
- Many of our research guides, teachers, scholars and students get international exposure through exchange programmes and summer internship programmes.
- We conduct orientation programmes on career prospects as well as opportunities for higher education, scholarships, etc. Such sessions are conducted by experts including Chartered Accountants, Scientists, Civil Servants, Managers, University Professors, Researchers, Industry Experts, etc.
- Dr. A.P.J. Abdul Kalam, Dr. C.N.R.Rao, Dr. Shashi Tharoor and Dr. V. N. Rajasekharan Pillai were among the many luminaries who visited the campus and inspired the students for higher levels of education and research.

- The institution facilitates student progression towards employment through proper career guidance and placement.
- The college offers soft skill development programmes as well as Additional Skill Acquisition Programmes (ASAP) for promoting a variety of skills.
- We offer 5 UGC sponsored career oriented add-on programmes as well as self-financed value added certificate programmes with a view to improving employability.
- Our faculty undertake sponsored major/minor research projects in which PG students get ample opportunities to acquaint themselves with research activities.

5.2.4. Enumerate the special support provided to students who are at risk of failure and drop out?

The institution is committed to achieve cent per cent pass in university exams. Socioeconomic, cultural and psychological issues contribute to the failure of students. Special support provided to the students include:-

- Slow learners are identified and they are given additional model exams.
- Question banks are prepared and made available to them.
- Special counseling to weak students and their parents.
- Personal attention to the slow learners by the faculty and interface with parents.
- Special lectures on Spoken English and difficult topics.
- College arranges free-of-cost remedial classes for the weak students after College hours.
- Career Counseling and Guidance.
- Additional Revision Classes for slow learners.
- Sessions for answering question papers of previous years.
- Organizing coaching classes for competitive exams.
- Financial assistance to the students belonging to economically weaker sections.
- Special study materials are made available to them.
- Students at the risk of dropout due to financial problems are given assistance from college.

5.3. Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

- The College has a wide range of sports, games, cultural and extra-curricular activities that are available to the students. The College has always carved a niche for itself in the field of sports.
- In sports, our College provides indoor and outdoor games to students. A spacious playground is available for outdoor games like cricket, football, volleyball, basketball, athletics, Kabaddi, Kho-Kho, etc., inside the College campus.
- Facilities for the indoor sports and games such as shuttle, table tennis, chess, carrom, etc. are provided to students inside the College campus.
- Our College has a well-stocked gymnasium with all modern state-of-the-art equipment to help students maintain health and hygiene.
- There are opportunities galore for the expression of various cultural and extracurricular activities like folk dances, classical songs, group songs, theatrical arts, traditional heritage

arts, fine arts, quiz, creative writing, painting, modeling, cartoon drawing, dramas and literary items on many occasions as the table below attests.

PROGRAMME CALENDAR

Sl. No.	Programme	Tentative Time
1.	Sports Selection Meet	III & IV weeks of June
2.	VanaMahotsava Week	I week of July
3.	Freshers Day	II week of July
4.	Cross Country Race	III week of July
5.	Spiritual Fest	IV week of July
6.	Football Mania	I week of August
7.	Association Inaugurations	II week of August
8.	Onam Celebrations	IV week of August
9.	Bishop Vayalil Tournament	II week of September
10.	Com Arena	IV week of September
11.	Literary Fest	I week of October
12.	College Union Inauguration	II week of October
13.	Womens Forum Inauguration	III week of October
14.	Keralappiravi	I week of November
15.	Arts Fest	II week of November
16.	Christmas Celebration	III week of December
17.	NCC & NSS Camps	IV week of December
18.	Library week	I week of January
19.	STC Youth Festival	II week of January
20.	Athletic Meet	III week of January
21.	Interdepartmental Competitions	I week of February
22.	Career Fest	II week of February
23.	Annual Sports Meet	III week of February
24.	Science Fest	IV week of February
25.	Valedictory of Dept. Associations	I week of March
26.	Womens day	II week of March
27.	College Day	III week of March

5.3.2 Furnish the details of major student achievements in co- curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

- As many as 67 students have participated in various National Level competitions in co-curricular, extracurricular and cultural activities during the last 5 years.

DETAILS OF STUDENT PARTICIPATION IN NATIONAL LEVEL COMPETITIONS

Sl. No.	Name of Student, Class & Subject	Item	Prize, if any	Venue	Year
1	Anjaly Shanker M.Sc. Statistics	Essay competition by MOSPI	V Prize of Rs 5000	Kottayam Centre	2014
2	Neethu Ann Jose M.Sc. Statistics	Essay competition by MOSPI	V Prize of Rs 5000	Kottayam Centre	2014
3	Jomy Jose	Essay competition	V Prize of Rs	Kottayam Centre	2014

	M.Sc. Biostatistics	by MOSPI	5000		
4	Neethimol Kurian M.Sc. Statistics	Essay competition by MOSPI	III Prize of Rs 12,500/-	Kottayam Centre	2012
5	Aswathy S. M.Sc. Statistics	Essay competition by MOSPI	V Prize of Rs 5000	Kottayam Centre	2012
6	Rowthar S Safar MSc Bioststistics	Essay competition by MOSPI	II Prize of Rs 15,000/-	Kottayam Centre	2011
7	Vijith Vijayan, II DC Zoology	4x400 Athletics	Bronze	University of Madras	2009
8	Aswin Kumar, I MA Economics	Decathalon Athletics	Bronze	University of Madras	2009
9	Sujumon K S, I BA Economics	Cross Country	Gold	Aiiu At STC Palai , M.G.Uty	2009
10	Vipin Francis, I M.Sc Chemistry	Cross Country	Gold	Aiiu At STC Palai , M.G.Uty	2009
11	Sreejith S, III BA Economics	Cross Country	Gold	Aiiu At STC Palai , M.G.Uty	2009
12	Shan K, I MA Pol.	Kabaddi	Participation	Annamalai Uty	2009
13	Jaison, II BA Mal.	Swimming	Participation	Gndu Amritsar	2009
14	Jiby Peter, I MA Politics	Athletics	Participation	University of Madras	2009
15	Vijith, II B.Sc Zoology.	Athletics	Gold	University of Madras	2009
16	Dileep Venugopal, I BA Politics	Athletics	Participation	University of Madras	2009
17	Sanal Andrews, III BA Economics	Athletics	Participation	University of Madras	2009
18	Nibu T Ninan I MA Malayalam	Athletics	Participation	University of Madras	2009
19	Antony Jose, II BA Economics	Athletics	Participation	University of Madras	2009
20	Vipin Francis, I M.Sc Chemistry	Athletics	Participation	University of Madras	2009
21	Aswin Kumar, I MA Economics	Athletics	Participation	University of Madras	2009
22	Robin Jose, II B.Com	Powerlifting	Participation	Panjab, Patiala	2009
23	Aswin Kumar	Decathalon	Silver	Kakatiya University, Warangal	2010
24	Dileep Venugopal	4x400	Gold	Kakatiya University, Warangal	2010
25	Jaimon K C	4x400	Gold	-do-	2010
26	Vijith Vijayan	400 H	Participation	-do-	2010
27	Anoop	Pole Vault	Participation	-do-	2010
28	Sumesh	Cross Country	Participation	Hmu Gharwal	2010

29	Nibu T Ninan	Shot Put	Participation	Kakatiya University, Warangal	2010
30	Nibu George	110h	Bronze	-do-	2010
31	Vipin Francis	Cross Country	Participation	All India Inter University	2011
32	Subin G S	Cross Country	Participation	All India Inter University	2011
33	Vimal V Kumar	Cross Country	Participation	-do-	2011
34	Manu Johnny	Cross Country	Participation	-do-	2011
35	Winny J Dhas	Cross Country	Participation	-do-	2011
36	Nadirsha	Volleyball	Participation	South Zone Inter Uty Bhartiyar Coimbatore	2011
37	Daniel Zacharias	Swimming	Participation	All India Inter University, Calcutta	2011
38	Vipin Francis	Athletics	IV (800m)	All India Inter University Mangalore University	2011
39	Alex Shaji	Athletics	IV (4x400)	All India Inter University	2011
40	Anoop Johnny	Athletics	IV (Pole Vault)	(Mangalore University)	2011
41	Vijith Vijayan	Athletics	IV (4x400)	All India Inter University	2011
42	Anish K G	Power Lifting	Participation	South India Power Lifting (Coimbatore) All India Inter Uty (Amritsar)	2011
43	Robin Jose	Power Lifting	Participation	South India Power Lifting (Coimbatore) All India Inter Uty (Amritsar)	2011
44	Jitin Rajendran	Volleyball	Winner	Youth Nationals (Calcutta)	2011
45	Vipin Francis	Cross Country	Participation	All India Inter University	2012
46	Subin G S	Cross Country	Participation	All India Inter University	2012
47	Sumesh S	Cross Country	Participation	-do-	2012
48	Vishnu S	Cross Country		-do-	2012
49	Nadirsha	Volleyball	Participation	South Zone (SRM University)	2012
50	Shinto Elias	Volleyball	Participation	-do-	2012
51	Vipin Francis	Athletics	Silver Medal 1500m	All India Inter University	2012
52	Vishnu S	Athletics	Participation	All India Inter University	2012

53	Anoop Johnny	Athletics	IV (Pole Vault)	AIIU	2012
54	Vijith Vijayan	Athletics	Participation	All India Inter University	2012
55	Satyan S	Athletics	Participaion	AIIU	2012
56	Anish G	Athletics	Participation	AIIU	2012
57	Vishnu	Power Lifting	Participation	All India Inter University	2012
58	Rijas Muhammed	Volleyball	Runner Up	Youth National (Sz)	2012
59	Shinto Elias	Volleyball	Runner Up	Youth National (Sz)	2012
60	Binu	Best Physique	Participation	Junior National	2012
61	Anoop P V	General Quiz	Participation	Chennai	2011
62	Rakesh R	General Quiz	Participation	Chennai	2011
63	Georgekutty Jose	General Quiz	Participation	Chennai	2011
64	Arjun Raj	Poster designing	Participation	Bangalore	2013
65	Indu Peter	Poem writing	Participation	Bangalore	2013
66	Ashly Thomas	English Speech	I Prize	Bangalore	2013
67	Sovin Thomas K. III B.Sc. Physics.	Project Presentation	One of the best 20papers in all India Level	Loyola College Chennai	2012

- Our students have also brought laurels by winning many a prize and overall trophies in various Management/Commerce fests, Economics Fest, English Fest, English Literary Quiz, Maths Quiz, Stat Quiz, Physics Quiz, and Chemistry Quiz held at inter-collegiate/university/state level competitions.

The following table gives the number of students who won prizes in various intercollegiate competitions.

Sl. No.	Item/Event	2009-10	2010-11	2011-12	2012-13	2013-14
1	Commerce Fest	25	38	46	58	60
2	Economics Fest	4	8	6	11	18
3	English Quiz	3	6	7	13	15
4	Maths Quiz	5	7	5	9	3
5	Statistics Quiz	2	4	3	5	3
6	Physics Quiz	4	4	7	9	6
7	Chemistry Quiz	3	5	4	6	8
8	Biotech Quiz	3	3	4	3	3
9	General Quiz	15	20	24	12	17
10	Essay Contest	4	5	4	6	9
11	Debate/Speech	10	12	16	18	9
12	Short Films	4	3	5	7	5

- The college has an enviable record as far as the extra-curricular activities are concerned. Many of our students have secured prizes/recognitions at intercollegiate/University level on various extra-curricular and cultural events. The table below is self evident.

- Hostel students also publish a manuscript magazine titled '*Hridayajyoti*'.
- In most of the departments students publish their own magazines with such titles as '*Scholar*', '*Explorer*', '*Reflections*' etc.
- Students/research scholars publish their articles in *STARS: Int. Journal* in Sciences as well as Humanities and Social Sciences.
- Students of Dept of Malayalam produce campus news papers titled '*Malayala Sabdam*' and '*Navasahidi*'.
- Students of Political Science publish '*The Opinion*' campus news paper.
- '*The Spectator*' is another publication of the students of Communicative English Dept.
- One of our students, Karthika C of the Communicative English Department published 10 articles on various topics in the New Indian Express daily during 2009.

5.3.5. Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

The election to the College Union is conducted based on the Parliamentary Model as per para 6.2.4 of the J.M.Lyngdoh Commission Report and the order passed by the Supreme Court of India in SLP No. 24295/2004 and the High court of Kerala. The college union comprises a students' general council and an executive. All students are members of the students' general council. In order to conduct election to the executive council, an electoral council consisting of two elected representatives from each class is formed. The Electoral council would elect the executive committee consisting of the following office bearers: the Chairman, Vice-Chairman, General Secretary, University Union Councilors, Magazine Editor and the Arts Club Secretary. There shall be a Secretary of sports who will be nominated by the committee consisting of the Principal, The Head of the Dept. of Physical Education and the Staff Advisor of the students' council. An SC/ST representative also will be nominated, if there is no SC/ST among those elected to the executive. One member representing the students of each degree and P.G. classes elected by and from among the student representatives of the respective years in the electoral council would also represent in the executive council. Two Lady representatives will also be there elected by and from among the lady representatives in the students general council. The language secretaries of Malayalam, English and Hindi will function as assistant editors for the respective sections of the college magazine. The candidates contesting to the electoral council should possess a minimum of 75% attendance in the previous year (except in the case of first year students) and should have passed all the examinations held so far. Those who were granted relaxation of attendance in the previous year are not eligible to contest in the election. Similarly, anyone against whom disciplinary action of any kind has been taken (inside or outside the campus, civil or criminal) ipso facto stands debarred from contesting elections to the electoral council.

The College Union organizes various activities with the following objectives:

- To train the students of the college in the parliamentary democracy so that they may be responsible future citizens of India, aware of their duties, responsibilities and rights.
- To promote opportunities for the development of character, leadership, efficiency and spirit of service among students.
- To organize cultural programs, quizzes, debates, seminars, work squads, touring parties so that the students may acquire knowledge on current topics and develop considered opinions about them.
- The Arts Club of the College Union organizes competitions in literary events, dance, music, drama etc.

- To encourage extracurricular activities like Youth Festival, Sports Meet etc., in tune with the above objectives.

The Principal is the ex-officio Treasurer and patron of the College Union. There is also a Staff Advisor to the college union. Expense for the activities of the college union is met from the college union fund. Additional fund is collected by finding sponsors as well as advertisements in College Magazine.

5.3.6. Give details of various academic and administrative bodies that have student representatives on them.

The institution believes in giving equal opportunity to students in supporting the authorities and the College faculty in running the affairs of the College. For this, the College endeavours to provide them with opportunities to participate in various academic and administrative bodies. The details of academic and administrative bodies having student representation are the following:

- The college Union of students is in charge of conducting Youth Festival, Annual Sports Fest, College Day, etc.
- The College Union Chairman presides in all meetings and programmes of the College Union. He is a member of the High Power Committee of the college.
- Editorial Board of the College Magazine -- Magazine Editor and language secretaries of Malayalam, English and Hindi will function as assistant editors for the respective sections of the college magazine.
- The College Union Councilors represent the students in the University Union.
- Arts Club Secretary coordinates extra-curricular and cultural activities
- Sports Secretary coordinates competitions in sports and games
- Two student representatives are there in the Director Board of St. Thomas College Co-operative Society Ltd.
- Representatives of freshers and senior students are nominated as members of Anti-Ragging Committee.
- College Union Vice-Chairperson and Lady Representatives are members of the Executive Committee of 'Vanitha Jagratha Samithi'.
- College Union Chairman and Vice-Chairperson are members of Ethics Committee also.

5.3.7. How does the institution network and collaborate with the Alumni and former faculty of the Institution.

(i) Alumni Association

- There is a registered alumni association at the college level. The college encourages department level associations of alumni as well.
- There is a representative of the alumni in the IQAC of the College.
- The Alumni serve as resource persons for various enrichment programmes.
- The Alumni Association conducts regular Seminars, Lectures, Conferences, and assists the college in conducting various academic programmes.
- The Alumni Association supports infrastructure development of the college.
- The Alumni Sports Forum is very active. They assist the sports students
- The Alumni Debate Forum meets every month on first Saturdays and discusses current issues.
- The Departmental Alumni Associations support the activities in each Department.
- It has instituted an Endowment fund in memory of Bishop Mar Sebastian Vayalil, the founder-Patron of the college, Msgr. Joseph Kureethadom, former Principal, Dr. P.J.

Thomas, the first Principal and Prof. V.J. Joseph, the first Vice-Principal of the college.

- The Alumni Association has different chapters abroad, such as PASTCOS - Kuwait, Bahrain, Doha, Dubai, USA, etc.
- George Thomas Kottukapally Trust in association with the Alumni Association has instituted an award worth Rupees One Lakh for the “Best Ethical Business Man of Kerala” in memory of Sri. George Thomas Kottukapally M.P who was instrumental in the starting of the college. A corpus sum of Rupees Eleven lakhs has been paid by Kottukapally family.
- The Association conducts an All Kerala Quiz Competition also in memory of founders of the college every year.

(ii) Former Faculty

- There is an active Retired Teachers’ Forum that meets periodically in the college.
- Former faculty members are invited as resource persons for various programmes.
- They extend financial support also for the development projects of the college.
- They provide consultancy services in administrative matters as well as pension related issues.
- They Participate in the programmes and memorial lectures organised by the college.
- They also provide valuable inputs by way of feedback for the better functioning of the college.
- Further, they convey the feedback and comments about the college obtained from various sections of the society.
- Former faculty have instituted a number of scholarships for the benefit of students.

5.3.8. Any other relevant information regarding Student Support and Progression which the college would like to include.

Legal Aid Service

Two lawyers from the District Level Legal Aid Cell are available in the college from 1.30 to 4.30 pm on 15th or the next working day of every month for providing legal support and guidance to students and staff on any matter. The college is grateful to the Department of Law, Govt. of Kerala for offering this service free of charge. We also organize legal awareness seminars and distribute handbooks and pamphlets to students.

Smart Memory and Life Management Course

The department of Physics has introduced a Training Program for Physics students named “Smart Memory and Life Management course” from 2013-14 academic year.

Training Mode: Yoga, Meditation, Lectures on Indian Culture.

Objectives: 1. To improve the memory of the students considerably
 2. To equip them to effectively manage the stress and strain in their day to day life.
 3. To convert the emotional energy of the youth to intellectual energy (Kayakalpa)
 4. To make them well aware of Indian Culture.

Duration: 3 Months

Course Coordination: Dr. Simon Augustine, Asso. Professor, Dept. of Physics

Resource Person: Prof. Suresh Babu, Specialist in Simplified Kundalini Yoga (SKY)

Student Coverage -

2013 – 14 : All M Sc Final Year Students

2014 – 15: Two Batches of 40 Physics Students and this will continue every year.

This programme is envisaged as a regular training for the students of the department in the years to come.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1. Institutional Vision and Leadership

6.1.1. State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision:

To create a center of excellence through the formation of young people empowered to create a bright future for themselves and others, irrespective of caste, creed, religion or language through dissemination of knowledge, skills and noble values.

Mission:

- To inculcate the students with faith in God, love for their fellow-men and devotion to the motherland by imparting moral, religious, intellectual and physical discipline.
- To empower the students with deeper knowledge and awareness of current developments in their chosen subjects.
- To equip the students with skills necessary to succeed at the very highest level in a competitive world.
- To assist the students in developing a sense of personal worth, social consciousness, emotional maturity, loyal citizenship, respect for labor and proactive leadership.
- To encourage scholarship and research, especially those that are locally relevant yet globally acceptable.

These will be achieved through teamwork and innovative methodologies making optimum use of opportunities both inside and outside the classroom. The college is located in a rural agrarian milieu inhabited by people of various religions, caste and culture. The multi-religious realm is noted for its social harmony. The vision and mission have been set forth with a view to providing excellence which in turn would promote communal harmony, social consciousness, emotional maturity, and loyal citizenship all of which form the cornerstone to meet the emerging local and global challenges. The college is committed to uplift the marginalized agrarian families of the locality in the following ways:-

- Providing quality and excellence in education and skill development.
- Ensuring holistic personality development and balanced judgment.
- Insisting on accountability and commitment in all endeavors.
- Inculcating innovation and research without compromising on values.
- Making the youth globally competent to face the challenges of the modern world.
- Promoting employability and entrepreneurship for sustainable development.

6.1.2. What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

- The College has a well-defined, de-centralized organizational structure to co-ordinate and monitor the academic and administrative planning and policy making of the institution. The management has been keen in providing necessary infrastructure for imparting quality education.

- The college has a Managing Board consisting of the Patron, the Manager, the Pro-Manager, the Principal, the Vice-Principal, Bursar and two educationists to formulate the broad policy matters. The Managing Board usually meets twice a year.
- There is a Staff Council consisting of the Principal, Vice-Principal, Bursar, Heads of Departments, Librarian and three elected teacher representatives, all of whom assist the Principal in the day-to-day activities of the college.
- The IQAC monitors quality initiatives to ensure the satisfaction of all the stakeholders. All major policy changes of the college are implemented taking the Managing Board, IQAC, Planning Board and Staff Council into confidence.
- The Manager of the college is the appointing authority and hence oversees its activities.
- The Pro-Manager assists the Manager in proper implementation of all policies.
- The Principal is the administrative authority of the college. He is the link between the Management and staff of the college. The administrative staff help in the proper execution of the policies and decisions.
- The Vice-Principal discharges all the duties of the Principal in his absence.
- The Bursar of the college is in charge of all construction and development activities.
- Heads of Departments and Course Coordinators with the cooperation of faculty members lead from the front for the proper implementation of the decisions at the department level.
- Faculty coordinators and committees are entrusted with the task of proper coordination of co-curricular and extra-curricular activities.

6.1.3. What is the involvement of the leadership in ensuring:

- the policy statements and action plans for fulfillment of the stated mission
- formulation of action plans for all operations and incorporation of the same into the institutional strategic plan
- Interaction with stakeholders
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders
- Reinforcing the culture of excellence
- Champion organizational change

(a) Fulfillment of the Stated Mission

- Moral and spiritual guidance classes are conducted for all students without collecting any fee from them with a view to nurture faith in God.
- Scholarships have been instituted to encourage students to attend moral classes.
- The college promotes the activities of NCC, NSS, Blood Donors' Club, etc to inculcate love for fellow men and devotion to the motherland.
- There has been no compromise on the quality of faculty recruited to achieve excellence in instruction.
- The Management is committed to ensure that seminars, conferences, workshops, training programmes, etc on current developments are conducted regularly in the college.
- The college organises personality development programmes, leadership training workshops, spiritual renewal programmes, counselling sessions, value education programmes, etc.
- Provides all facilities including modern labs, a well stocked library, updated infrastructure, etc. and encourages collaborations, linkages and exchange programmes for promoting scholarship and research.

(b) Formulation of Action Plans and Institutional Strategic Plan

- The Management has developed a master plan namely, VISION 2025 with a view to developing the institution as a centre of excellence by 2025.
- IQAC is constituted to monitor the timely and systematic implementation of quality sustenance measures.
- The Management conducts internal academic audit every year and gives suggestions for improvement.

(c) Interaction with Stakeholders

- PTA meetings are regularly conducted to assess the progress of students.
- Promotes Alumni Associations and ensures the participation of the alumni in the planning and development process.
- Feedback collected from parents, alumni, employers, etc. has been utilized in framing policies.
- Staff meetings are held regularly at college and departmental levels.
- College union activities are encouraged and their suggestions are given due attention.

(d) Support for Policy and Planning

- The Managing Board, Principal, Bursar, College Council, HODs, and so on identify the priority areas and adopt a committee system for the effective implementation of the action plans.
- Stakeholders are consulted and needs are prioritised to redefine policies and plans.

(e) Reinforcing the Culture of Excellence

- The culture of excellence is reinforced through a well planned and student centered teaching learning process leading to research. Necessary infrastructure is made available by the Management.
- The research scholars and research guides are given opportunities for international exposure through exchange programmes, collaborations and linkages, summer internships, visits to national/international institutes, etc.

(f) Champion Organizational Change

- The Principal champions organizational change by understanding the potential of each member and acting as a link in building unity and integrity among the faculty.
- Promotes participative style of management through IQAC, Staff Council, HODs, committees, etc. coordinated by the Principal.
- Offering innovative, job oriented self-financed programmes to promote employability of learners and self sufficiency of the college.

6.1.4. What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- Internal and external academic audits have been conducted annually.
- Feedback is collected from all stakeholders and reported to the Management.
- Statutory audit of all grants and funds is carried out every year and presented in the Governing Body for evaluation of policies and plans.
- Principal and Bursar report important matters to the Managing Board.
- Staff meetings and meetings of IQAC, Staff Council, College Union, PTA etc are conducted regularly.
- Academic review is conducted by the Managing Board for analyzing the overall

performance of the institution every year.

- Usually the administrative and the quality related policies are presented and discussed in the college council before implementation. The college council meetings also serve the purpose of gaining feedback for the management on the various policies.
- There is a formal work record for the appraisal of the performance and efficiency of teachers and non-teaching staff. The teachers are required to submit the self-appraisal form duly attested by the departmental heads to the Principal.

6.1.5. Give details of the academic leadership provided to the faculty by the top management?

- The Patron, Manager, Pro-Manager and members of Governing Body interact with the faculty often and encourage them to take up leadership in research and carry out major and minor projects.
- Facilities are provided to organize national/international seminars/conferences/workshops etc.
- Members are encouraged to improve their expertise through TFS of UGC, attending Refresher Courses and presenting research papers in seminars, conferences, etc.
- The Manager and Principal convene staff meetings and give necessary instruction to ensure academic excellence.

6.1.6. How does the college groom leadership at various levels?

- Efforts have been taken by the management to make sure that everyone is involved in some or other aspects of the administration and the tasks are devolved through various committees to increase the efficiency.
- The Management helps identify and nurture leadership among faculty by entrusting them with the overall charge of academic and non-academic activities such as NSS, NCC, IQAC, Arts Club, Music Club, Anti-Ragging Cell, Grievance Redressal Cell, etc.
- The Principal plays the key role in planning and mobilization of the human resource of the college. HODs are entrusted with coordinating activities at department level.
- To develop leadership qualities among students, college union elections are held and executive committee is constituted for organizing co-curricular and extra-curricular activities.
- Student leaders of subject associations organize various competitions and fests.
- Leadership training and personality development programmes are organized for students.

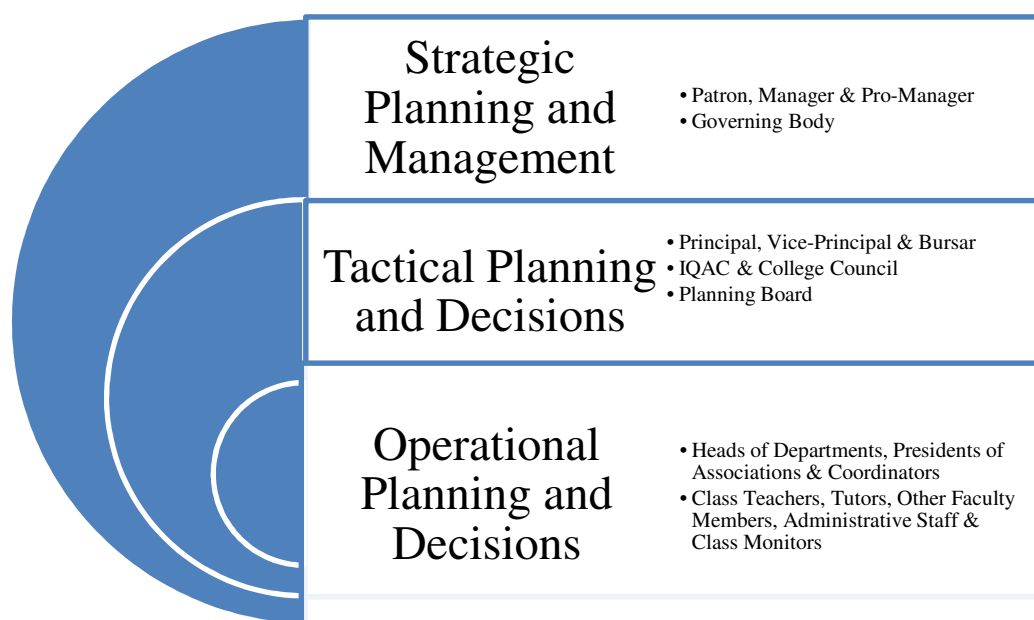
6.1.7. How does the college delegate authority and provide operational autonomy to the departments/ units of the institution and work towards decentralized governance system?

- The college has a de-centralized organizational structure to ensure smooth functioning of the institution. The college has 18 Departments of which 4 are self-financing and each department works as an independent unit under the Head of the Department.
- Authority to assign duties to faculty members, to allocate facilities to students and teachers, to schedule classes, to prepare lesson plan, etc has been delegated to HODs. Only policy decisions are taken by the Principal in consultation with the Manager.
- The departments are given autonomy to host seminars, workshops and association related activities etc.
- The departments formulate their own annual action plans, research activities, innovative teaching and learning methods, etc.

- The departments are given freedom to utilize PG grants as per UGC guidelines.
- The departmental staff meetings are held regularly. At the same time the departments are in constant communication with the Management through the Principal and the HOD.

6.1.8. Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

- Principal, Vice-Principal and Bursars are members of the Governing Body.
- Representatives of HODs, the President of Alumni Association, and representatives of the staff are members of IQAC.
- All HODs and elected representatives of staff are members of the College Council which meets atleast once a month.
- Staff meetings are held regularly and every member of teaching and non-teaching staff get sufficient opportunity to express their opinion and to participate in the decision making process.
- Important decisions are taken after dialogues and consultations with all stakeholders.
- A committee system is adopted for the implementation of all developmental projects as well as academic and extra curricular activities.
- PTA meetings are regularly held to frame strategies for the all round development of the college.
- The Principal convenes meetings of the executive committee of College Union to discuss and solve students' problems, extra and co-curricular activities, etc.



6.2. Strategy Development and Deployment

6.2.1. Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

- The quality policy of the college was developed in tune with the institutional vision and mission.
- Much care is taken by the Management to uphold the great ideals of the institution and to implement them to the minutest detail in the day-to-day functioning of the college.
- The policies are reviewed from time to time taking into consideration the needs of the changing scenario.
- The revision is made in consultation with the stakeholders as well as the various strata of the Management.

6.2.2. Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

- The College has a perspective plan for development that envisages the college to rise to the level of an institution of excellence from its present position as one having the potential for excellence.
- In the long run the institution wishes to see it rise to the level of an autonomous college and subsequently to a Deemed University.
- A master plan called VISION 2025 has been developed by the college Management in consultation with the academia and other stakeholders. It serves as a guideline for all development projects.

6.2.3. Describe the internal organizational structure and decision making processes.

- Bishop Mar Joseph Kallarangattu, Bishop of Pala Diocese is the Patron of the college.
- At the top of administration is the Manager, Mar Jacob Muricken, Auxiliary Bishop of Pala Diocese; assisted by the Pro-Manager, Rev. Dr. Joseph Kollampampil, Vicar General of the Diocese and the Managing Board.
- Major policy decisions are taken in the meetings of the Managing Board which meets at least twice a year.

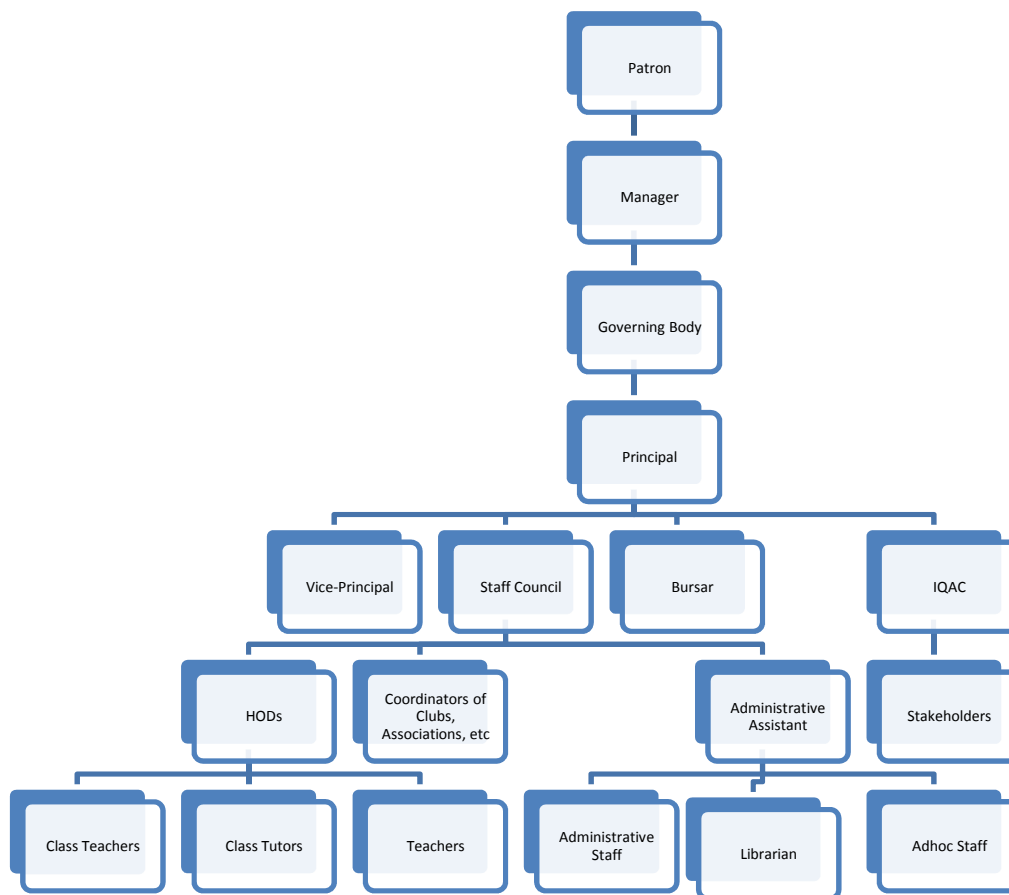
Managing Board

1. Mar Jacob Muricken, Manager (Chairman)
 2. Rev. Dr. Joseph Kollampampil, Pro-Manager
 3. Rev. Fr. George Choorakkattu, Vicar General
 4. Rev. Fr. Philip Njaralakkattu, Vicar General
 5. Rev. Fr. Joseph Kuzhinjalil, Vicar General
 6. Rev. Fr. N. V. Joseph Njarakkattil, Principal (Secretary)
 7. Dr. A.T. Devasia Arackal, Former V.C., MG University, Kottayam.
 8. Prof. Mathew T. Matheikal, Former Vice-Principal.
- At the college, the Principal is the apex authority who is assisted by the Vice Principal, Bursar, Staff Council and IQAC. There is the Students' union, anti-ragging committee, the grievance redress cell, the women's forum (vanita jagratha samiti), ethics committee, etc. to assist Principal in making and implementing decisions.
 - A staff adviser monitors the students' union activities. The anti-ragging committee has participation from various streams of the society. Each of these components has an

important role in the decision making process.

- **Staff Meetings:** Decisions about curricular and extra curricular activities are taken by the Principal after discussing the same in the staff meeting. Such meetings are held as and when necessary. Minutes of staff meetings are kept.
- **Staff Council:** The Staff Council consists of 20 members including three elected members of the staff as per the University Statutes. All HODs, Vice-Principal, Bursar, and Librarian are members. Principal is the Chairman of the Council. The Staff Council meets frequently. The secretary is responsible for maintaining the minutes. Decisions regarding schedule of examinations, schedule of classes, disciplinary actions, etc. are taken in the Staff Council Meetings.
- **Internal Quality Assurance Cell (IQAC):** IQAC meetings are regularly held. IQAC usually makes recommendations about matters affecting the all-round performance of the college. It aims at quality enhancement and sustenance. Based on the recommendations of IQAC, Principal takes decisions on such matters in consultation with the Management.

The Chart given below shows the hierarchy of the organizational structure and the process of decision making.



6.2.4. Give a broad description of the quality improvement strategies of the institution for each of the following: (1) Teaching & Learning (2) Research & Development (3)Community engagement (4)Human resource management (5)Industry interaction

(i) Teaching and Learning:

- Teachers are recruited solely on merit, adhering to the norms stipulated by the State, University and other regulatory bodies.
- Teachers maintain performance record to keep a track of their academic duties and achievements.
- They conduct periodic tests in the classroom to assess the performance of the students.
- Remedial coaching is being given to slow learners.
- Selected departments have smart classrooms to keep pace with the increasing technical demands.
- Student-centered teaching practices are adopted in all departments.
- Choice Based Credit and Semester System (CBCSS) is introduced at UG and Credit and Semester System (CSS) at PG level.
- A total of 13 Open Courses are offered to provide flexibility with an interdisciplinary thrust.
- Seminars and Assignments are compulsory components of internal assessment.
- Students are required to do project works also.
- Peer teaching is introduced at the PG level.
- ICT methods are adopted by teachers and students in the teaching-learning process.
- Students are encouraged to make use of the library as well as web resources.
- Attendance in both theory and practicals is closely monitored.
- Internal examinations and model examinations are conducted and results are communicated to the parents also.
- Feedback is collected from students and parents and assessed at various levels.

(ii) Research and Development

- A Research Monitoring Cell (RMC) is functioning in the college.
- Sponsored research projects are monitored by the RMC.
- Funding agencies are identified and proposals for financial assistance are submitted in time.
- Labs and other facilities have been developed to facilitate the implementation of sponsored projects.
- Research collaborations, linkages, exchange visits, etc. are encouraged.
- Two research journals with ISSN are published from the college.
- Research scholars are required to make presentations about the work done at regular intervals.
- The college offers course work for the research scholars of the affiliating university.
- Ten departments are approved research centers. Besides, research guides are available for History and Sanskrit.
- There are 77 Research Guides on different disciplines in the college.
- Experienced supervisors of other institutions and universities are also enrolled as research guides at this college.
- Seminars/workshops on emerging areas of research as well as on Research Methodology,

Data Analysis, etc. are organised every year.

- The college allows the faculty to offer their research expertise even outside the parent institution/university. Accordingly, many of the faculty act as external research guides to various universities like, Anna University Coimbatore, Bharathiar University Coimbatore etc.

(iii) Community Engagement

- Mutholy village has been adopted by Rev. Dr. Kurian Mattam Foundation, a voluntary association of faculty members and alumni. The Foundation works for the holistic development of the underprivileged of the village identified.
- The NSS and the NCC units of the college are involved in a series of activities for community development and engagement as stated in 3.6.4.
- Members of the Blood Donors Forum donate blood for more than 150 patients every year.
- In the year 2010-11 our college won the award from the AIDS Control Society for the 'Best Blood Donating College' in Kottayam District.
- Santhom Farmers' Club, a subsidiary of the Botany Alumni Association organises various training programmes for the benefit of the farmers in the locality.
- Awareness programmes on cancer, diabetics, heart diseases, life style diseases, road accidents, etc. are organised every year in collaboration with Lions Club, Indian Medical Association, Heart Club, TRADA, Jana Maitry Police, etc.
- The UGC has approved our proposal for a Community College which will strengthen our community engagement on a significant scale.

(iv) Human Resource Management

- The Recruitment of Staff is made with transparency.
- Induction programmes have been organised to identify and nurture the potential of the staff.
- The members of the staff are required to attend training programmes, refresher courses, orientation programmes, conferences and seminars.
- Every member of the staff is assigned with the responsibility to coordinate one or more extra/co-curricular programmes.
- The Faculty enjoys sufficient freedom of operation with regard to academic as well as research activities.

(v) Industry Interaction

- Collaborations have been established with Cognizant Technology Solutions, NOVARTIS International, Kizhathadiyoor Service Co-operative Bank, etc.
- Our students visit industries, banks, security markets, hospitals, medical colleges, etc as part of on-the-job training.
- The college in collaboration with George Thomas Kottukappally Trust has instituted an award of Rs. One lakh for the Best Ethical Businessman to stress our commitment to moral values.
- Consultancy services are offered to industries by departments of Statistics, Chemistry, Botany, etc.
- The ED Club closely monitors entrepreneurship development programmes in collaboration with various industries.
- The UGC has sanctioned funds to start two B. Voc. Degree programmes in collaboration

with industries.

6.2.5. How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

1. Information to Top Management

- The Principal of the college is the Secretary of the Governing Body and he presents the Performance Report of the Institution in its meetings every year.
- The Principal collects feedback from students and parents about the performance of teachers, supporting staff, library and other facilities.
- Manager and Pro-Manager of the college are invited to attend the meetings of IQAC, Staff Meetings, Staff Council Meetings, Annual Staff Get-together, etc.
- The top Management is kept updated with inputs through the annual report of the Principal, Internal Academic Audit Report, Budget and Future Plans, AQAR, etc periodically.
- Important decisions are taken by the Principal only after discussions with the Management.
- The Principal, Vice-principal and the Bursar act as a link between the Management and the College. A weekly review ensures a smooth linkage in this regard.

2. Information to Stakeholders

- The college has a user friendly website in which all information about the college is uploaded.
- College publishes Prospectus, College Handbook and Calendar, Departmental Manuals, Brochures, etc for the benefit of all stakeholders.
- The college publishes a Newsletter annually in which news about every event held is published. Copies are made available to all stakeholders.
- Press release is given regularly. Press conferences are conducted on important occasions.
- PTA meeting is held regularly and important announcements are made in such meetings.
- General body meeting of the Alumni Association is held every year.
- A college Magazine is published every year and copies are given to all students.
- Audited statements, accounts, AQAR, etc of projects and other statutory reports are rendered to Govt, UGC, NAAC, etc.

6.2.6. How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- Promotions, career advancements, etc. are given without any delay.
- Research guides are given special facilities including research labs.
- A participative system of management is adopted. Committees are constituted to implement developmental projects as well as to coordinate various administrative responsibilities such as admissions, internal assessment, etc.
- The staff is allowed a free run of the computer lab, internet etc.
- Involvement of staff in the institutional process is given due recognition in various staff meetings.
- Achievements and involvement of the staff in the institutional process is duly acknowledged and published in the Newsletter of the college.
- Mementos/prizes are given away on Merit Day to the members of the staff for their significant achievements.

6.2.7. Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Sl. No.	Decisions/ Resolutions	Stage of Implementation
1.	To fill up all vacancies of Teaching and Non-Teaching staff	37 teachers & 13 Non-Teaching staff appointed on regular basis
2.	To implement Choice Based Credit Semester System	Implemented at PG and UG levels
3.	To construct G Block Annex	Implemented
4.	To set up a modern computer lab	Completed with 70 new PCs
5.	To strengthen Career Guidance and Placement Cell	Well furnished office and rooms
6.	To construct sports hostel	Constructed
7.	To renovate staff quarters	Renovated
8.	To protect and renovate old buildings with roofing	Implemented
9.	To construct a new Student Amenity Centre and Canteen	Constructed
10.	To construct a modern kitchen in CR hostel	Constructed
11.	To renovate classrooms and set up smart classrooms	Ongoing
12.	To modernize departmental office and staffroom	Completed
13.	To start new academic programmes	3 new programmes started
14.	To apply for UGC-innovative programmes	3 courses applied and 1 started
15.	To commence career oriented programmes	5 programmes started
16.	To strengthen extension activities	IGNOU Convergence Centre begun
17.	To construct a new prayer hall and meditation centre	Construction works started
18.	To make available more ICT tools	Implemented
19.	To air condition Seminar Hall, Council Hall	Implemented
20.	To strengthen Library with NLIST/INFLIBNET	Implemented
21.	To enhance campus placement records	Significantly enhanced
22.	To strengthen research and collaborations	Significant achievements obtained

6.2.8. Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

- During the year 2007-08 the college applied for autonomous status and UGC shortlisted the college for granting autonomy. But MG University refused to give NOC as other Govt. policy regulations stood in the way.
- The Govt. of Kerala has taken a policy decision to grant autonomy to selected Arts and Science Colleges in the State only very recently.
- The Management of the college is currently conducting discussions with various stakeholders on applying for autonomy.

6.2.9. How does the Institution ensure that grievances/ complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

- There is a Grievance Redressal Cell in the college to redress the grievances and complaints of students. Grievances are looked into within 24 hours by the Cell.
- Class tutors regularly interact with their wards and give individual care and attention. Tutors keep a personal record of their wards and maintain a relation with their parents as well.
- Feedback/Complaint Boxes are placed at various locations of the college to collect feedback (suggestions and complaints) from all stakeholders. Boxes are opened everyday evening and a report on action taken is rendered to the aggrieved.
- PTA and Alumni meetings are organized every year and the suggestions of parents and alumni are collected for further action.
- All issues relating to the travel facilities of the students is resolved by the High Power Committee in consultation with Police and Transport Officers.
- The college adheres to UGC guidelines, Govt regulations, University Statute and Court Orders on ragging, use of mobile phones, ethics, etc.

6.2.10. During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

- The court case filed by a pre-degree board teacher staying appointment of Assistant Professors in English in 2010 was vacated by getting a verdict in favour of the college.
- The stay order on admissions to the newly sanctioned self-financed courses in 2013 was vacated by the High Court of Kerala on our petition.

6.2.11. Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

- As mentioned already, the College has several feedback mechanisms such as 'Open House' conducted by IQAC, direct feedback obtained by the Principal, etc.
- Feedback boxes placed at various locations are opened every evening for appropriate action.
- The institution sympathetically looks into the students' suggestions and complaints through a hierarchically ordered mechanism of the Managing Board, Grievance Redress Cell, College Council, Students' Union and PTA. As a result we are able to identify areas requiring improvement and find solutions for the same.
- The reconstruction of the canteen building with modern facilities was recently undertaken by the college based on the feedback obtained from the students.
- More details on the outcome and response of the student feedback are given in 5.1.10.

6.3. Faculty Empowerment Strategies

6.3.1. What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

- The institution conducts orientation programmes for the newly recruited teaching and non-teaching staff.
- We also arrange Human Resource Development Programmes, workshops on Innovative

Teaching Learning Techniques, and training on ICT methods and computer applications.

- Both teaching and non-teaching staff are encouraged to participate in Orientation Programmes, Refresher Courses, Exchange programmes, etc.
- Moreover, the college encourages the staff to organize workshops, seminars and conferences.
- The college promotes staff participation in seminars/ conferences/ workshops and other training programmes. Our faculty have more than 450 participations in such programmes. Details are provided in Item 2.4.3.
- Many teachers have availed themselves of the TFS of UGC for the completion of their Ph. D. degree.
- A few teachers have secured additional degrees and diplomas like D.Litt., MBA, MPA, PGDCA etc. while in service.
- Teachers are sent for professional training in Student Counseling, Career Counseling, Soft Skill Development, etc.
- Teachers are advised to become members of National/ International Professional Societies and Associations.

6.3.2. What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- The institution promotes participation of its staff in refresher courses, orientation programmes, summer schools, seminars, workshops, conferences, exchange programmes, etc.
- The Principal regularly convenes staff meetings to assess performance and to motivate the faculty.
- Spiritual retreat programmes are conducted.
- Recreational facilities are also provided.
- Healthy environment, advanced library, modern technology, etc. are provided in the campus.
- Due recognition and appreciation are given by the top authorities.
- Due appreciation of staff achievements and services are acknowledged in College Newsletter and College Magazine as well as in the website of the college.

6.3.3. Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

- Feedback about the performance of teachers is collected from students and systematically evaluated by quantifying it under the auspices of IQAC. The score sheet is given to individual teachers as a confidential report. The questionnaire was in the format suggested by NAAC/UGC.
- The Principal also collects feedback from students at the time of their leaving from the college. A standardized form with multiple choice questions is used to collect feedback. Suitable suggestions for improvement are conveyed to teachers by the Principal.
- A questionnaire in the regional language is prepared and used to collect feedback from parents about the performance of teachers as well as the college in general.
- At the college level there is a Teacher Performance Record for the use of teachers. In this book there are provisions to record all the curricular and extra-curricular activities that are taken up by the person concerned. The teachers are required to submit self-appraisal

to the Principal duly attested by the HODs.

- The minutes of the Grievance Redress Cell also provide data for performance appraisal.
- The performance of non-teaching staff is monitored and appraised by the Administrative Assistant.

6.3.4. What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- The institution periodically evaluates the teacher performance records and the major observations are reported to the Management.
- It is decided to compensate classes lost due to leave taken by teachers by engaging classes during holidays and zero hours.
- From the recent Self-Appraisal Forms it is evident that most of the teachers engaged extra classes with a view to compensate loss of classes and this in turn has contributed to a significant improvement in University examination results.
- Teachers are advised to undergo Orientation as well as Refresher Courses regularly.
- It is decided to ensure that atleast 50% of the faculty in every department are active researchers with Ph.D guidance.
- During the last five years, the Research Output (Refer Item 3.4.3), Number of Projects (Refer Item 3.2.7), Participation in Seminars (Refer Item 2.4.3) etc. have increased significantly.
- Outcome of the review of the performance appraisal reports of the staff is communicated to the informed staff meetings, PTA meetings, as the case may be.
- Achievements, recognitions etc. of the staff are published in College Newsletter, Magazine etc. and are also uploaded to the college website. In addition to this, major recognitions are conveyed to stakeholders through news releases.

6.3.5. What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- A govt. approved financial institution called the St. Thomas College Staff Co-operative Society Ltd. No. K. 434 caters to the financial well being of the members of the staff. It mobilizes the savings of teachers and non-teaching staff of the college as well as to give loans for purposes such as housing, purchase of cars, domestic needs, Cash Credit to meet contingencies, etc. The Society has 212 members with a working capital of Rs. 9.75 crores. The Society also conducts Group Deposit Credit Schemes for the benefit of members. The Society is capable of meeting almost all financial requirements of the staff. It gives loans at a low interest rate of 11% per annum and has instituted Scholarships for the benefit of the children of the members of staff.
- Drinking water, rest room, financial assistance for critical diseases, etc as well as training in the use of computers are also provided to the staff.
- Besides, there is a well furnished student amenity centre and canteen under the management and administration of St. Thomas College Cooperative Society (STCCS) Ltd No. K. 4175. Meals and other refreshments, books and stationery, cosmetics, Photostat services, etc are available to staff at reasonable rates. The Principal is the President of the Society.
- Two sections of quarters, viz St. Philips Hostel and Staff Quarters are available in the campus, for the staff residential requirements.

- The college has hosted a branch of The South Indian Bank also in the campus.
- Parking facility, library, reading room, meditation hall, health club, etc are also made available to all teaching and non-teaching staff of the college.
- The play ground of the college and other facilities for sports and games are also made available to the staff. Tug of War, Cricket matches, Football, Volleyball, Chess competitions, etc. are conducted as friendly matches between teams among the staff as well as between the staff and the students.
- All statutory welfare schemes such as provident fund, pension scheme, earned leaves and other leaves, group insurance, family benefit scheme, state life insurance, etc have been implemented.

Monetary Welfare Schemes	Percentage of staff benefitted during the years			
	2010-11	2011-12	2012-13	2013-14
PF Loan	34	24	31	27
STCSCS Loan	67	69	73	78
STCCS Advances	19	19	19	16

6.3.6. What are the measures taken by the Institution for attracting and retaining eminent faculty?

- All appointments are made solely on merit and as per Govt./University rules. No capitation fee or donation is accepted by the college for appointments. The college appoints well qualified teachers from different parts of the State to avoid inbreeding.
- Candidates with higher degrees such as Ph.D., M. Phil., etc are given weightage in appointments.
- Residence facility is provided in the campus.
- The Management promotes team work, mutual respect, care for each other as well as a style of participative management. Staff meetings, Annual Get Together of Staff, etc. are conducted for effective staff interaction.
- A sound mechanism for grievance redressal is established in the college.
- The Manager of the college is available in the campus every week and members of the staff are free to meet him personally. Their suggestions and complaints are examined.
- The college respects the rights and privileges of the staff and there has hardly been a case of the denial of any right of anyone.
- Promotions and increments are given as per rules without any administrative delay.
- Refresher courses, training programmes, and other facilities for career advancement are provided to staff.
- Research labs, research library, spacious staff rooms, smart class rooms, seminar halls, canteen facilities, advanced software and Internet facilities are made available.
- The college offers 10 Research Programmes, 15 Post Graduate Programmes and 15 Under Graduate Programmes.
- Being a member of teaching faculty/administrative staff of St. Thomas College, Palai has always carried a fair share of prestige, as the institution has been able to stand head and shoulders above its peers in the state.
- The institution has been identified as a “College with Potential for Excellence” by the UGC.

6.4. Finance Management and Resource Mobilization

6.4.1. What is the institutional mechanism to monitor effective and efficient use of available financial resources?

- A system of budgeting is place. An annual budget is prepared by the Principal in consultation with the Vice-Principal, Bursar, Administrative Assistant, HODs, etc. and presented to the Governing Body for approval.
- Proper plans and estimates are prepared by qualified engineers/designers before the commencement of every developmental project.
- In consultation with the Planning Committee, IQAC and the College Council, the Managing Board takes the final decision on the allocation of the available finance on a priority basis.
- A committee with a faculty member as secretary is constituted for every such projects.
- All projects and programmes that involve financial commitment are under the direct supervision of the Bursar.
- Statutory Audit and Management Audit are conducted regularly and recommendations are implemented.
- Store Purchase Manual of the Govt. of Kerala and UGC norms are strictly adhered to with respect to all activities involving financial outlay.
- The above measures facilitate specialization and decentralized financial control as well as effective and efficient use of available financial resources.

6.4.2. What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

- The Management conducts internal financial audit every year.
- The statutory financial audit is conducted during April every year and reports are sent to UGC, DST and National and State Govt. agencies.
- The Directorate of Collegiate Education (DCE) and the affiliating University seek annual financial statements which serve the purpose of an audit.
- The accounts of sponsored projects/ seminars are audited by Chartered Accountants and audited statements are sent to the sponsoring agencies.
- The audit wing of DCE as well as Accountant General's Office conduct periodical statutory audits on all financial transactions based on public funds.

Objections and Compliance

- There were no major audit objections during the last 5 years.
- The objections as well as major observations of the various audits are presented in the Managing Board Meetings for necessary action.

6.4.3. What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

- The college being an aided private institution, the salary of the staff is paid by the Govt. of Kerala.
- The development projects are funded by the UGC, DST, etc under various schemes such

as UGC Plan Grant, UGC-CPE Grant, UGC-BSR Grant, UGC-Major and Minor Research Project Grant, DST-FIST Grant, etc.

- Special fees, tuition fee, etc collected from students are other sources of receipts.
- The college runs certain self-financed UG and PG programmes and career oriented certificate/ diploma courses. The fee collected from the students constitutes another source of fund.
- We have a Bank Test Coaching Centre, Career Guidance & Placement Cell and an IGNOU Study Centre under the Convergence Scheme. These are also sources of institutional receipts.
- We have very active Alumni Associations and PTA. The alumni, parents, benefactors, staff and management complement the deficit.
- The deficit for the conduct of seminars, conferences, extra and co-curricular activities is usually compensated by local sponsors.
- Students are given scholarships/ stipends and other incentives by various governmental agencies.

Audited income and expenditure statement of academic and administrative activities of the previous four years (2009-2013) is given on pages 235-238.

6.4.4. Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

- The Research Monitoring Cell functioning in the college encourages faculty members and research scholars to apply for sponsored projects. The Cell plays a key role in identifying priority areas in the emerging fields.
- The Principal and the RMC ensure proper utilization of the funds as per the allocation and guidelines of the funding agencies.
- The PTA is playing an active role in providing additional funds for the development of the college. Over the last four years the PTA has spent more than Rs. 50 lakhs for this purpose.
- The college has succeeded in raising almost Rs. 15 lakhs from the alumni for financing various renovation works. The contribution of Commerce Alumni Association deserves special mention in this regard.
- More than Rs. 2 lakhs has been raised by consultancy services by different departments during the last four years.

6.5. Internal Quality Assurance System (IQAS)

6.5.1(a). Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

- The College established an Internal Quality Assurance Cell in 2004 itself which was reconstituted in March 2011 and January 2014 as per NAAC guidelines.
- The IQAC has thirteen members including an industrialist and a local representative. Principal Rev. Fr. N V Joseph is the Chairman and Dr. Sunil C Mathew, Associate Professor, Department of Mathematics is the Coordinator.

Some of the programmes of the Cell include the following:

Students' Open House

An Open House for collecting feedback from all students is conducted every year during March. Students are given two sets of questionnaires prepared as per the NAAC guidelines; one is to collect feedback about teacher performance and the other is to collect feedback about the college and curriculum. Students actively participate in the programme and share their experiences without any fear. The data about teacher performance obtained through the session is processed and performance scores in the previous years were reported to teachers highlighting their strengths as well as areas that called for more attention. The feedback about the college and curriculum is discussed in the meeting of IQAC and based on the deliberations the meeting made recommendation to renovate the college canteen, expand the working-time of college library and to conduct orientation programmes for new CBCSS batches of students.

Orientation on CBCSS

An orientation programme is conducted for I DC and II DC students about the newly introduced Choice Based Credit and Semester System of Mahatma Gandhi University as well as about the details of open courses offered during the V Semester. The new system of grading and evaluation is also illustrated to the students. Students were given opportunity to clarify their doubts about the new system.

National Seminar

The IQAC conducted a UGC-sponsored national seminar on 'Quality Enhancement in Teaching, Learning and Evaluation: Recent Trends and Challenges' during 19-20 September 2011. The seminar was co-sponsored by Mahatma Gandhi University, Kottayam. Quality enhancement and sustenance of quality in higher education are the two vital issues facing all institutions of higher education in India. The seminar underlined the fact that quality is an ongoing process and hence, a culture with a thirst for quality is to be developed among all stakeholders. The seminar proposed:

- To bring together all elements associated with enhancing quality of higher education.
- To chalk out plans for achieving excellence of international standard with the help of discussion with national level experts.
- To develop an action plan in the form of a Vision Document with short-term as well as long-term targets.
- To develop new methodologies and techniques, by considering the strengths and weaknesses of higher education institutions.

Internal/ External Academic Audit

Under the auspices of the IQAC an internal academic audit is conducted every year. The audit team consists of the Manager, Principal, Vice-Principal and IQAC Coordinator. The audit team visits all teaching departments, library, hostels, facilities and college office. All departments have to submit copies of seven-criteria-based report of their activities during the year. A detailed report of the observations and recommendations is given to all departments with a view to assisting them in their initiatives to improve the performance and quality.

In July 2014, an external audit was conducted for assessing the performance of the college. Dr Tharsis Joseph, NAAC Peer Team Member and Dr K V Thomas, Former IQAC Coordinator, Bharath Matha College, Thrikkakara, Kochi were the external experts. They presented the detailed report of the assessment in the exit meeting.

Other Initiatives

Following is a list of other major activities that have been initiated by IQAC:

- Steps have been taken to set up smart classrooms in every department

- Online transmission and documentation of internal marks
- Steps have been taken to improve UG and PG labs.
- Prepared a consolidated list of publications from all departments
- Introduced group-mail communication system in the college
- Constituted a committee for monitoring research projects
- Timely submission of Annual Quality Assurance Report to NAAC
- Acted as catalysts for infrastructure development in the college
- Monthly meetings to monitor quality enhancement and sustenance.

6.5.1(b). How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

Following are the 33 major recommendations made by IQAC and so far 31 recommendations were implemented by the Management.

Sl. No.	Suggestion/ decision of IQAC	Status
1	Induction/ Orientation programme to all newcomers	Implemented
2	Awareness programme on the prospects of different open courses offered by the college under CBCSS	Implemented
3	Arrange 'Smart Class Rooms' in every department.	Partially implemented
4	Renovation and updatation of Science Labs	Implemented
5	New Computer Lab and more PCs	Implemented
6	Improving the performance of the College Library	Implemented
7	Infrastructure development with more toilets and new roofing	Implemented
8	Open House to collect feedback about teachers, college, etc.	Implemented
9	Construction of a Student Amenity Centre	Implemented
10	Renovation of the Chapel	Implemented
11	Use of more solar energy	Implemented
12	Construction of a Research Block	Not implemented
13	Construction of a new Administrative Block	Not implemented
14	Making feedback online	Under implementation
15	Internal Academic Audit every year	Implemented
16	Use of ICT methods at all levels.	Partially implemented
17	High Speed Internet connection	Implemented
18	Water Harvesting facility	Implemented
19	Bimonthly Newsletter	Under implementation
20	Undertaking more research projects	Implemented
21	Publication of more research papers in refereed journals	Implemented
22	Strengthen the departmental Alumni Associations	Implemented
23	Online transmission and documentation of internal marks	Implemented
24	Ensure uninterrupted power supply	Implemented
25	Effective Water supply	Implemented
26	More attractive and informative college website	Implemented

27	Partnership in Additional Skill Acquisition Programme(ASAP)	Implemented
28	New Block for Self Financing Programmes	Under implementation
29	Sports infrastructure development	Under implementation
30	Start New Programmes of Study	Implemented
31	Starting of a Community College	Implemented
32	Start innovative/ vocational programmes	Implemented
33	New Career-Oriented Programmes	Implemented

6.5.1(c). Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

- Mr. Jose Mampampil, an industrialist, and Adv. K. T. Joseph are the two external members of the IQAC.
- Mr. Jose Mampampil serves as the President of Commerce Alumni Association.
- Mr Jose is an inspiring entrepreneur and has agreed to collaborate in the implementation of the new B. Voc. Programmes.
- Adv. K. T. Joseph is the local representative and serves as the President of the Alumni Association of the College and played a crucial role in installing various scholarship schemes for the students.
- Both these persons play an active role in implementing various developmental projects as well as in organizing meetings and campus placement drives.
- They have succeeded in materializing the visit of Dr. A.P.J.Abdul Kalam, Former President of India and Dr. Sashi Tharoor, Union Minister of State for HRD.

6.5.1(d). How do students and alumni contribute to the effective functioning of the IQAC?

- The Alumni have financially supported the classroom renovation program suggested by the IQAC.
- They have also conducted seminars for students on entrepreneurship and other careers.
- The students give feedback on college performance to IQAC.
- It is based on the students' feedback that IQAC recommended to construct a Student Amenity Centre and reschedule the library timings.
- Three of our alumni serve the IQAC in different capacities.

6.5.1(e). How does the IQAC communicate and engage staff from different constituents of the institution?

- The IQAC consists of 10 representatives of staff from different constituents of the institution.
- The IQAC consists of 2 HODs, 3 Associate Professors, the Administrative Assistant, as well as the Principal, 2 Vice-Principals and Bursar.
- The IQAC communicates with all staff through e-mail.
- The IQAC has two Notice Boards fixed in front of the main office and the IQAC room.
- Suggestion and feedback boxes are also installed in the college by IQAC.

6.5.2. Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

- Continuous evaluation of performance of students through internal and external evaluations under the CBCS System.
- ICT enabled teaching-learning process is ensured.

- Classroom teaching complemented through student-centered methods such as seminars, assignments, creative writing, group discussions, instant quizzes, etc.
- Use of library and Internet resources by students is encouraged and rewarded.
- Teachers are encouraged to improve their qualifications, participate in exchange programmes, refresher courses, etc.
- Documents such as teacher's performance record, tutorial work record of students etc. have been maintained to ensure proper performance/delivery of teacher expertise.
- A college level general timetable is adopted for the effective and efficient implementation of the curriculum.
- Feedback is collected and analysed regularly for ensuring quality.
- Office automation and networking has been initiated to make administration effective.
- Admissions, Internal assessments, attendance, etc. are computerized and data are made readily available.

6.5.3. Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

- Teaching training programmes such as 'Moulders of Tomorrow' (for the newly recruited teachers), 'Teacher as a Leader', 'Spiritually Enlightened Teachers', 'FEEL' (Faculty Excellence in Effective Leadership), etc. have been conducted by the Management to motivate teachers for better classroom management and relations.
- Training programme on General Informatics and Computer Applications was conducted for the benefit of both teaching and non-teaching staff.
- Science Academies Refresher Courses, KSHEC's Workshops, etc. are also conducted in the college to train teachers to cope with the modern developments and trends.
- The teaching staff is encouraged to participate in seminars/workshops/conferences conducted by the higher education council, professional bodies, universities, etc.

6.5.4. Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

- Internal academic audits have been conducted annually.
- An external audit for assessing the performance of the college during 2009-14 was conducted on 14-15 July 2014.
- Audit Reports with recommendations for improvement are given to departments and the progress has been constantly monitored.
- Every year the IQAC, The College Council and The Managing Board closely evaluate the performance of students in the university exams and national level tests.

6.5.5. How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- The IQAC has been constituted as per the NAAC guidelines. The Cell monitors all quality assurance measures.
- Quality bench marks have been developed and insisted on with regard to the performance in exams, research publications, sponsored projects, etc.
- Internal academic audit and external audit have been regularly conducted in tune with NAAC guidelines.
- Departments are required to prepare their reports based on the seven criteria laid down by

the NAAC.

6.5.6. What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

- Teacher performance record, internal evaluation, feedback system, group discussions, peer teaching, departmental quiz programs etc. are the major mechanisms to review the teaching learning process.
- A mentoring system is adopted and tutorial work record is kept for every student to closely monitor the progress of the student.
- Feedback is collected from all stakeholders and the teaching-learning process has been reviewed regularly.
- HODs are entrusted with the task of ensuring effective teaching learning process and the lapses, if any, are reported to the Principal.
- Semesterwise tutor meet is convened by the Principal to review the academic progress and overcome the difficulties, if any.
- PTA meetings are conducted twice in a semester and score sheets given to parents are used to improve the system.

6.5.7. How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The college resort mainly to the following means to communicate its quality assurance policies to the stakeholders:

- Group mail by the Principal
- Website of the College
- College Noticeboard
- Brochures and Pamphlets
- College calendar and handbook
- News Letters and College Magazine
- Periodical Reports to UGC, University, NAAC, and Govt.
- Press releases

6.5.8. Any other relevant information regarding Governance, Leadership and Management which the college would like to include.

The Diocese of Palai, the largest educational agency in the Kerala state, owns and manages the college. It is running 10 colleges, 15 higher secondary schools, 41 High Schools, 31 Upper Primary Schools, 65 Lower Primary Schools, 2 Teacher Training Institutes and also some special schools. This management has been playing a significant role in the educational uplift of the Kerala state in general and Kottayam, Ernakulam & Idukki districts in particular. The college is known all over Kerala for its reputation in academics, research outputs, and achievements in sports and games. Students from northern and the highranges of Kerala opt for this college as a source of their academic progress. Looking at the progress of the college during the last five years, it is evident that the college has made dedicated efforts to sustain and enhance the quality of higher education and research. As a result, UGC has conferred CPE status to our college.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1. Environment Consciousness

7.1.1. Does the Institute conduct a Green Audit of its campus and facilities?

- The last Green Audit of our campus was held in the academic year 2013-14 and we ourselves were pleasantly surprised by the biodiversity that we were a part of.
- That ours is a green campus well kept and maintained is a matter of modest pride for us.
- Under the leadership of the Study Group on Environment functioning in the college, a Herbal Garden is maintained in the campus.
- The college is committed to protect the environment and inculcate an environment consciousness among our students and other stakeholders.
- The college campus is known for its natural beauty and diversity of plants and trees.
- That, all the trees and plants are enumerated and labeled with botanical names, only adds to its richness.
- The NSS volunteers and Bhoomitra Sena celebrate 'Vanamahotsav' every year and plant trees in the campus as well as public places including road sides.
- In collaboration with the Malayala Manorama and the Department of Forest the college distributes seedlings and saplings to students and staff periodically.
- Dr. APJ Abdul Kalam visited our campus and inspired our students by planting a tree by himself in the campus.
- NCC cadets also organize various awareness programmes for protecting plants and preventing deforestation.
- Dr. Jommy Augustine, HOD of Botany is a noted environmentalist who has conducted extensive bio-diversity studies in the 'Sahyadris'.
- The 'Nature Club' also conducts environmental awareness programmes.
- The college has produced a CD on the rich variety of flowers in the campus.

7.1.2. What are the initiatives taken by the college to make the campus eco-friendly?

- **Energy Conservation:** The College has installed solar powered lamps in the campus. With the construction of a new rain water harvesting tank, free flow of water to the college canteen, toilets and auditorium is ensured.
- **Use of Renewable Energy:** A bio-gas plant is constructed in the college hostel. The college canteen also boasts of a bio-gas plant and a waste disposal unit.
- **Water Harvesting:** A water harvesting tank with a capacity of 1 lakh litres is completed. The college has a well and a pond with pure water for drinking. The college maintains the topography of the campus in order to ensure proper water bed.
- **Check Dam Construction:** Every year during January/February, the NSS unit in collaboration with the local people and the Pala Municipality constructs temporary check dams in the Meenachil River at Palakkayam near the College Hostel. The check dam helps to maintain the water level in the wells and ponds of the locality.
- **Plantation:** The college campus is filled with plants and trees such as Mahagani, Teak, Mango trees, Coconut plants, etc. Medicinal plants and rare plants are also grown in the campus. Besides, we have a rubber plantation of more than 10 acres in the campus. The college has a well maintained beautiful garden with a rich variety of flowers and

decorative plants.

- **Hazardous Waste Management:** The waste from the Chemistry and other science labs are disposed of/ managed properly.
- **E-waste Management:** E-waste is collected and stored separately and disposed every year.

7.2. Innovations

7.2.1. Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

- Choice Based Credit & Semester System for UG and Credit & Semester System for PG.
- Continuous internal assessment with seminars, assignments, test papers, projects, etc.
- Open courses are offered by all departments promoting academic flexibility.
- Five UGC sponsored Career Oriented Add-on Programmes and other value oriented certificate programmes.
- Extensive use of ICT methods in teaching-learning process.
- Open House for collecting feedback from students conducted by IQAC
- Additional Skill Acquisition Programmes (ASAP) in collaboration with Govt. of Kerala.
- Career Guidance and Placement Cell
- Bank Test Coaching Centre
- Online Centralised Allotment Process for admission.
- Online registration for examination and transmission of internal marks
- UGC/CSIR/GATE test coaching programme.
- Research Monitoring Cell to mobilize and monitor research projects and grants.
- Office automation and networking.
- Library automation and networking for issue and return of books.
- INFLBNET/NLIST online subscription for books and journals.
- Interaction with national/international experts in different fields.
- Collaborations and exchange visits to national/international institutions.
- Alumni Association sponsored developmental projects.
- College News Letter to acknowledge achievements of faculty and students.
- Infrastructure development with the support of staff and parents.
- Renovated laboratories with modern equipments.
- Expansion of the IGNOU Study Centre under the Convergence Scheme.
- Modern Computer labs with advanced softwares.
- English Speaking Corner to promote communication skill.
- Online feedback facility
- Community College with Vocational Diploma Courses
- Innovative Programme in Sports Studies
- UGC sponsored B.Voc. Programmes
- Installation of Solar Energy Panels.
- Transformer and Generators for uninterrupted power supply
- High speed Internet Broadband connection with optical fibres.

7.3. Best Practices

7.3.1. Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

1. INTENSIVE VALUE EDUCATION PROGRAMME

The college has a Faculty of Religion and Moral Studies to conduct value education programmes. The Faculty is a voluntary association of teachers. At present there are 50 teachers as members. It aims at moulding a community that is intellectually mature, morally upright, emotionally stable, spiritually inspired and socially committed. The faculty spearheads a chain of activities in fulfillment of this aim and with the express intent of giving a holistic formation to students in consonance with a secular curriculum.

Goal

- 'Information, Formation and Transformation' of staff and students.
- Moulding intellectually mature, morally upright, emotionally stable, spiritually inspired and socially committed students.
- To conduct moral/spiritual classes in a systematic manner.
- To provide them training in personality development, responsible citizenship, emotional and spiritual maturity etc.
- To organize renewal programmes and retreats for staff and students.
- To instill love towards the poor and the marginalized.
- To conserve the environment and biodiversity.
- To promote patriotism and other values among staff and students.

The Context

The curricula designed by the University for Various Programmes do not contain any course on value education. The younger generation is exposed to many perils such as alcoholism, drug addiction, sexual abuse, gender discrimination, mental stress hypertension, etc. leading to frustration and anxiety. Even though the college has had good representation in university academic and administrative bodies we were unable to incorporate value education as a part of the curriculum. Hence, the Faculty of Religion and Moral Studies was formed to supplement the university curriculum by courses on value education.

The Practice

The Faculty of Religion and Moral Studies has an Executive Committee consisting of the Patron, Chancellor, Dean, President, Director, Secretary and Treasurer. The committee meets at least three times a year to chalk out the plan of action and evaluate the performances. One hour a week is earmarked for value education programmes. Separate curriculum has been developed for moral and spiritual studies. A text book developed by a team under the leadership of the Patron of the college and well known on books on spirituality have been utilized to impart moral and spiritual values. Spiritual and moral classes are conducted based on a predetermined schedule. Examinations are conducted at college level and top-scorers are given cash awards and other prizes.

These initiatives from the college show its impact as students visit orphanages, destitute homes, old age homes, hospitals etc to interact and help the inmates. On every Friday, under the leadership of the Jesus Youth, students collect food packets and distribute them to the inmates of

the Mariyasadanam Orphanage Pala. In addition, students of various classes visit orphanages, special schools etc during festival seasons like Onam, Christmas etc. and distribute sweets, dress etc. and organise cultural programmes for them.

Evidence of Success

- On an average more than 90% of the students attend the classroom programmes and examinations.
- Spiritual renewal programmes are regularly conducted with the participation of almost all students and they are received warmly.
- Our students have brought laurels to the college by winning overall championship in value education.
- Not even a single case of suicide attempt, drug addiction, sexual abuse, ragging, etc. has been reported from among the students so far.
- Better stress management skills for students leading to high results and placements.
- Better team spirit among students resulting in a tension-free and peaceful campus.
- Better relations between staff and students and among the students themselves.
- Active participation of staff and students in community activities, charity projects, Independence Day celebrations, campus cleaning, tree planting, waste disposal, etc.

Problems Encountered and Resources Required

- It is difficult to allocate sufficient time for proper conduct of value education programmes.
- Even though the University and Govt. realize the need for value education, the college is not getting support from any external agencies.
- Participation of students in the value education programmes is not considered for internal or external evaluation.
- Teachers are not given any weightage for value education programmes in API Score computation.
- The resources required are internally raised by the Management of the College.

Contact Details

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2. SKILL ENHANCEMENT AND CAREER ORIENTATION PROGRAMME.

The College is running an intensive skill enhancement and career orientation programme under the leadership of the Career Guidance and Placement Cell. Within the framework of the affiliating system, we conduct Certificate and Diploma courses, regular career counselling and training programmes and skill development sessions to equip the students to meet the challenges of modern job market. Our college is already a recognized centre for Additional Skill Acquisition Program (ASAP) of the Govt. of Kerala.

Goal

- To equip the students with skills necessary to succeed at the very highest level in the competitive modern world.
- To assist the students in developing a sense of personal worth, social consciousness, emotional maturity, loyal citizenship, respect for labour and proactive leadership.
- To inculcate Core Skills – Awareness of Industry Requirements, New Age Work-place Environment, Job-specific Knowledge and Skills, IT Skills etc.
- To develop Soft Skills – Communication, English Fluency, Body Language, Presentation, People Management, Team Work, Decision Making, Problem Solving, Creativity, Public Speaking etc.
- To nurture Personal Skills – Ethics, Values, Manners etc.
- To obtain educational and occupational information to aid students' career and educational planning and to develop their understanding of the world of work.

The Context

In this modern era one should learn the appropriate skills to get and keep a job. Most of our students are from rural background and they seldom get the chance to train and nurture their skills leading to the selection of a good job. Moreover, there are still a great number of college students who are still unsure about their career choices due to the lack of information and orientation. Many of them end up quitting college, becoming intimidated by academic works and finding it difficult to find a job after graduation. The college, being well aware of a serious lacuna in the educational system that does not always make its graduates employable, makes a concerted attempt to address the issue of employability.

The Practice

There are five UGC sponsored career oriented add-on programmes namely; Diploma in Communicative English, Certificate in Latex Type Setting and Scientific Journalism, Certificate in Financial Accounting using Tally, Certificate in Statistical Computing and Data Analysis and Diploma in Hindi Translation and Documentation are offered by the college. In addition to this the following value added programmes are offered by various departments on a self-financing basis:-

- Diploma in Computer Applications
- Market Research and Sample Surveys
- Diploma in R-programming
- Certificate Course in Apiary Management
- Bio-informatics & Biotechnology
- Computational Training using MATLAB
- Under the auspices of the Govt. of Kerala, a new programme known by the acronym, ASAP (Additional Skill Acquisition Programme) for students is underway, and in which 15 of our teachers serve as facilitators. Notably enough the number of students from our college (78) selected for the programme by the Govt. in the scheme is the highest in the state of Kerala.
- The college computer centre and IGNOU centre offer Diploma in Computer Applications for the development of ICT skills of students.
- Training in Statistical Softwares for computation and data analysis is offered for the development of computational and analytical skills.
- Group discussions, mock-interviews, Spoken English, personality development programmes etc. are offered by the Career Guidance and Placement Cell for the

development of soft skills.

- The Career Guidance and Placement Cell offers special coaching programmes to promote clerical aptitude, verbal ability, numerical aptitude, general mental ability, etc. for competitive examinations conducted by UPSC, SSC, PSC, Banks, Railways, etc. A large number of students got placement through these initiatives.
- With a view to promoting skills in teaching and research UGC/CSIR NET/JRF test coaching is offered to students.
- Career guidance cell provides the students with career awareness and soft skill development sessions.
- Entrepreneurial Development Club organizes programmes for promoting innovations and entrepreneurial abilities. Efforts are being made to establish an incubation centre in consultation with industries, engineering colleges and Department of Science and Technology.
- Students were given opportunity to interact with representatives of major industries and alumni with industry experience on Industry-Academy collaborations. This would help in moulding the students to prepare themselves for the employment market.
- The Civil Service Institute functioning in the campus offers coaching for the students for the civil services examination.

Evidence of Success

This program builds one's confidence and gives a foundation to build from to reach other goals and even go to further education. Students appear to be more confident at viva-voce and interviews. During 2012-13, the Civil Service Institute had marvellous results with 25 selections including I, II and IV ranks at all India level. During 2012-13, 55 students qualified UGC-CSIR exams and in 2013-14, 40 students have passed the same. In the ASAP training our College was ranked as the First among all the 196 colleges all over Kerala. In addition to this, our student was the top scorer in the test conducted by the British Council. As a result the percentage of pass in all UG and PG programmes increased significantly. As many as 52 students got selection in Banks under Campus Recruitment in 2012-13 and 55 in 2013-14. Also, UGC has sanctioned financial assistance for starting B.Voc. Programmes and Voc. Diploma Programmes in 2014.

Problems Encountered and Resources Required

Under the semester system, students and teachers are not getting sufficient time for co-curricular activities. Since exams are not conducted in time as per schedule, programmes cannot be pre-planned and implemented effectively. Adequate funds are to be generated through PTA, Alumni, well-wishers etc.

Contact Details

Name of Principal: Rev. Fr. N. V. Joseph

Name of the Institution: St. Thomas College Palai

City: Pala, Pin Code: 686574

Accredited Status: B++

Work Phone: 04822 212317, Website: www.stcp.ac.in

Mobile: 09446560608, Fax: 91-4822-216313

E-mail: principal@stcp.ac.in, principal.stc@gmail.com

FINANCIAL STATEMENT FOR THE PERIOD FROM 01/04/2009 TO 31/03/2010

Receipts			Payments		
Sl. No	Particulars	Rs.	Sl. No.	Particulars	Rs.
1.	Opening Balance	5255548	1.	Remittance to Treasury	887310
2.	Collection of Tuition fees	525130	2.	Registration fee	30590
3.	Registration fees	30590	3.	P.D. Account Special fees-Expenditure	432440
4.	Special fees	806865	4.	Payment to Staff	46864037
5.	Establishment Pay bills	46860637	5.	UGC Grant Expenses	3261734
6.	UGC Grants	3273944	6.	Other Grants Payments	5656132
7.	Other Grants	5656141	7.	Scholarships Paid	410400
8.	Scholarships	429065	8.	Stipends and Concessions to B.C. Students	2152169
9.	KPCR Concession	783487	9.	KPCR Concession	955035
10.	Stipends and Concession to B.C. Students	1744765	10.	Caution Money refund	546706
11.	Caution money	304407	11.	University exam. Fees remitted to M.U. Uty.	787710
12.	Uty. Exam. Fees Collected	787710	12.	Matriculation fee remitted to M.U. Uty.	26200
13.	Uty. Affiliation fees collected	117800	13.	Uty. Affiliation fees remitted to M.G.	117800
14.	Uty. Sports affiliation fees	78471	14.	Uty. Sports afili. fee remitted to M.G. Uty.	78480
15.	Uty. Union fees	36800	15.	Uty. Union fees remitted	36800
16.	Conduct of Uty. Exam	123717	16.	Insurance amount remitted to M.G. Uty.	2886
17.	Uty. Insurance fees	2886	17.	Student welfare fees remitted	12270
18.	Grant for NSS	84000	18.	Grant for NSS deposited in a/c (SIB)	84000
19.	Matriculation fees	26200	19.	Conduct of uty. Examination a/c	123717
20.	Student welfare fees	12270	20.	Sports hostel a/c	381345
21.	Sports hostel a/c	381345	21.	NCC allowance paid	54806
22.	NCC allowance	54806	22.	Contingency	249152
23.	Loan/Contribution by the Management	370047	23.	Maintenance	88197
24.	Sale of Appl. (DC & PG)	30590	24.	Expenses for Library/Lab Grant	32698
25.	Job Appln.	108250	25.	Advertisement Charge	16201
	-	-	26.	Closing Balance	4596656
	Total	67885471		Total	67885471

FINANCIAL STATEMENT FOR THE PERIOD FROM 01/04/2010 TO 31/03/2011

Receipts			Payments		
Sl. No	Particulars	Rs.	Sl. No.	Particulars	Rs.
1.	Opening Balance	4596656	1.	Remittance to Treasury	1328185
2.	Collection of Tuition fees	1328185	2.	Registration fee	19060
3.	Registration fees	19060	3.	P.D. Account Special fees-Expenditure	1319976
4.	Special fees	828806	4.	Payment to Staff	72563616
5.	Establishment Pay bills	72563616	5.	UGC Grant Expenses	10665930
6.	UGC Grants	12266196	6.	Other Grants Payments	2958784
7.	Other Grants	2958784	7.	Scholarships Paid	497849
8.	Scholarships	479184	8.	Stipends and Concessions to B.C. Students	1594074
9.	KPCR Concession	1670685	9.	KPCR Concession	1598410
10.	Stipends and Concession to B.C. Students	1570289	10.	Caution Money refund	149445
11.	Caution money	287851	11.	University exam. Fees remitted to M.U. Uty.	1008540
12.	Uty. Exam. Fees Collected	1008540	12.	Matriculation fee remitted to M.U. Uty.	18600
13.	Uty. Affiliation fees collected	43650	13.	Uty. Affiliation fees remitted to M.G.	43650
14.	Uty. Sports affiliation fees	46730	14.	Uty. Sports afili. fee remitted to M.G. Uty.	46730
15.	Uty. Union fees	23870	15.	Uty. Union fees remitted	23870
16.	Conduct of Uty. Exam	280684	16.	Insurance amount remitted to M.G. Uty.	2548
17.	Uty. Insurance fees	2548	17.	Student welfare fees remitted	-
18.	Grant for NSS	63000	18.	Grant for NSS deposited in a/c (SIB)	63000
19.	Matriculation fees	18600	19.	Conduct of uty. Examination a/c	280684
20.	Sports hostel a/c	179309	20.	Sports hostel a/c	179309
21.	NCC allowance	74795	21.	NCC allowance paid	74795
22.	Loan/Contribution by the Management	232079	22.	Contingency	329846
23.	Sale of Appl. (DC & PG)	19060	23.	Maintenance	34454
	-	-	24.	Closing Balance	5760822
	Total	100562177		Total	100562177

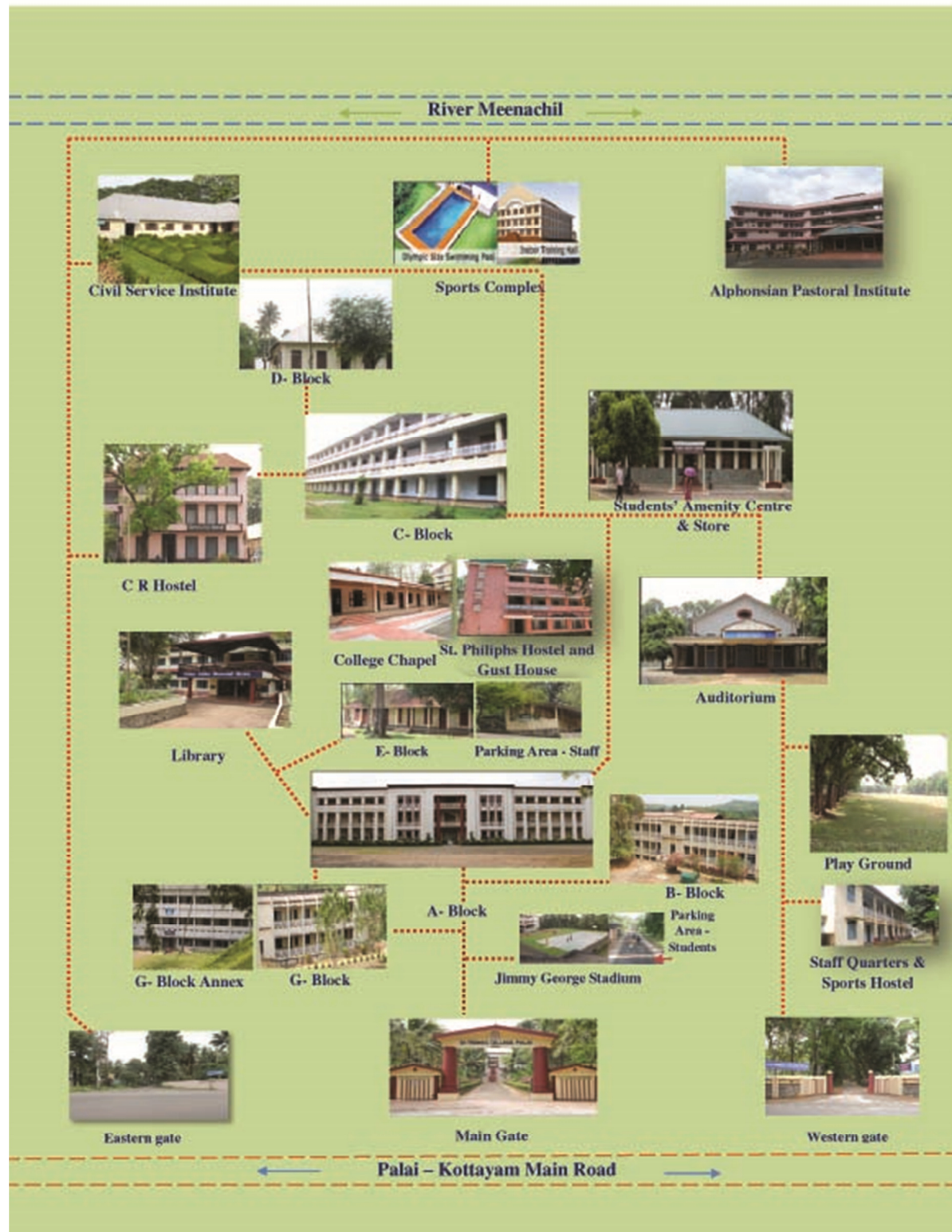
FINANCIAL STATEMENT FOR THE PERIOD FROM 1-4-2011 TO 31-03-2012

Receipts			Payments		
Sl. No	Particulars	Rs.	Sl. No.	Particulars	Rs.
1.	Opening Balance	5698722	1.	Remittance to Treasury	1151170
2.	Collection of Tuition fees	1151170	2.	Registration fee	6580
3.	Registration fees	6580	3.	P.D. Account Special fees-Expenditure	944386
4.	Special fees	715450	4.	Payment to Staff	72139856
5.	Establishment Pay bills	72139856	5.	UGC Grant Expenses	13315577
6.	UGC Grants	17520564	6.	Other Grants Payments	452659
7.	Other Grants	1562600	7.	Scholarships Paid	172973
8.	Scholarships	172973	8.	Stipends and Concessions to B.C. Students	-
9.	KPCR Concession	1099590	9.	KPCR Concession	1099590
10.	Stipends and Concession to B.C. Students	2142668	10.	Caution Money refund	145189
11.	Caution money	299783	11.	University exam. Fees remitted to M.U. Uty.	1166885
12.	Uty. Exam. Fees Collected	1166885	12.	Matriculation fee remitted to M.U. Uty.	37100
13.	Uty. Affiliation fees collected	44900	13.	Uty. Affiliation fees remitted to M.G.	44900
14.	Uty. Sports affiliation fees	45870	14.	Uty. Sports afili. fee remitted to M.G. Uty.	45870
15.	Uty. Union fees	24460	15.	Uty. Union fees remitted	24460
16.	Conduct of Uty. Exam	-	16.	Insurance amount remitted to M.G. Uty.	2840
17.	Uty. Insurance fees	2840	17.	Student welfare fees remitted	-
18.	Grant for NSS	-	18.	Grant for NSS deposited in a/c (SIB)	-
19.	Matriculation fees	37100	19.	Conduct of uty. Examination a/c	-
20.	Sports hostel a/c	-	20.	Sports hostel a/c	-
21.	NCC allowance	60955	21.	NCC allowance paid	60955
22.	Loan/Contribution by the Management	352242	22.	Contingency	153434
23.	Sale of Appl. (DC & PG)		23.	Maintenance	61609
24.	Job Appl.	173000	24.	Closing Balance	4117410
25.	Advance Library grant	10354		-	-
	Total	104428562		Total	104428562

FINANCIAL STATEMENT FOR THE PERIOD FROM 01/04/2012 TO 31/03/2013

Receipts			Payments		
Sl. No.	Particulars	Rs.	Sl. No.	Particulars	Rs.
1.	Opening Balance	4115161	1.	Remittance to Treasury	1382960
2.	Collection of Tuition fees	9560	2.	Registration fee	17300
3.	Registration fees	17300	3.	P.D. Account Special fees-Expenditure	-
4.	Special fees	2869792	4.	Payment to Staff	84155903
5.	Establishment Pay bills	84155903	5.	UGC Grants	11774726
6.	UGC Grants	11774726	6.	Other Grants Payments	1699265
7.	Other Grants	1688242	7.	Scholarships Paid	-
8.	Scholarships	-	8.	Stipends and Concessions to B.C. Students	-
9.	KPCR Concession	-	9.	KPCR Concession	-
10.	Stipends and Concession to B.C. Students	-	10.	Caution Money refund	117120
11.	Caution money	249720	11.	University exam. Fees remitted to M.U. Uty.	1150100
12.	Uty. Exam. Fees Collected	1150100	12.	Matriculation fee remitted to M.U. Uty.	37900
13.	Uty. Affiliation fees collected	53850	13.	Uty. Affiliation fees remitted to M.G.	53850
14.	Uty. Sports affiliation fees	50250	14.	Uty. Sports afili. fee remitted to M.G. Uty.	50250
15.	Uty. Union fees	26800	15.	Uty. Union fees remitted	1526800
16.	Conduct of Uty. Exam	-	16.	Insurance amount remitted to M.G. Uty.	2232
17.	Uty. Insurance fees	2232	17.	Student welfare fees remitted	-
18.	Grant for NSS	-	18.	Grant for NSS deposited in a/c (SIB)	-
19.	Matriculation fees	37900	19.	Conduct of uty. Examination a/c	-
20.	Student welfare fees	-	20.	Sports hostel a/c	-
21.	Sports hostel a/c	-	21.	NCC allowance paid	109918
22.	NCC allowance	109918	22.	Contingency	658964
23.	Loan/Contribution by the Management	31184	23.	Maintenance	31184
24.	Sale of Appl. (DC & PG)	-	24.	Expenses for Library/	-
25.	Job Appln.	-	25.	Advertisement Charge	-
	-	-	26.	Closing Balance	4834727
	Total	106342638		Total	106342638

ST. THOMAS COLLEGE PALAI – CAMPUS LAYOUT



3. Evaluative Report of the Departments

1	English	241
2	Malayalam	250
3	Hindi	259
4	Mathematics	265
5	Statistics	273
6	Physics	286
7	Chemistry	305
8	Botany	318
9	Zoology	329
10	Economics	334
11	History	342
12	Politics	348
13	Commerce	358
14	Physical Education	372
15	Biotechnology & Applied Microbiology	377
16	Communicative English	384
17	Biostatistics	389

1	Name of the Department	DEPARTMENT OF ENGLISH					
2	Year of Establishment	1950					
3	Names of Programmes/ Courses offered	B.A., M.A., Ph.D.					
4	Names of Interdisciplinary Courses and the Departments/units involved	Open Course: English for Careers is offered to the fifth Semester U.G. students					
5	Annual/semester/choice based credit system (programme wise)	B.A. – CBCSS M.A. – CSS Ph.D. – Semester (Course Work) Dip. Communicative English (UGC-COP)					
6	Participation of the Department in the Courses offered by other Departments	English is a common course for all UG Programmes. Also our fifth semester students opted for various open courses offered by other Departments.					
7	Courses in collaboration with other Universities, industries, foreign institutions	Nil					
8	Details of courses / programmes discontinued (if any) with reasons.	Nil					
9	Number of teaching posts:						
	Posts		Sanctioned		Filled		
	Professors		Nil		Nil		
	Associate Professors		8		8		
	Assistant Professors		5		5		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.) (As on 31-03-2014)						
	Sl. No.	Name	Qualification	Designation	Specialization	Expe- rience	No. of Ph.D. Students guided for the last 4 years
	1	Cherian Vadakkekunnel	M.A	Asso. Prof	Film Studies	29	--
	2	William Zacharias	M.A.	Asso. Prof.	Literary Theory	28	--
	3	Franci Mathew	M.A., B. Ed.	Asso. Prof.	American Literature	24	--
	4	Raju K. Augustine	M.A., B. Ed.	Asso. Prof.	Indian Writing	20	--
	5	P.J Johnson	M.A.	Asso. Prof.	History of Language	20	--
	6	T.J. Abraham	M.A., Ph.D.	Asso. Prof.	Literary Theory	22	8

	7	Siby James	M.A., M.A-Mal., Ph.D.	Asso. Prof.	Literary Criticism	20	8
	8	Jose Mathew	M.A., M. Phil.	Asst. Prof	European Drama	15	--
	9	Joby Mathew	M.A., B.Ed	Asst. Prof	Literary Theory	1	--
	10	Jishnu Venugopal	M.A., M. Phil	Asst. Prof	Film Studies	1	--
	11	Shilpa Mathew	M.A.	Asst. Prof	Women and Literature	1	--
	12	Joseph Sebastian	M.A., B.Ed.	Asst. Prof.	European Fiction	1	--
	13	Gibin Raja	M.A.	Guest Lect.	Literary Theory	2	--
11	List of senior visiting faculty			1. Prof. T.R.S. Iyer 2. Prof. Dr. Mathew Joseph 3. Prof. Dr. Thomas Augustine			
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G.	0	25	33	50	12	12
	P.G.	0	0	0	0	0	0
13	Student-Teacher ratio (programme wise):						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. (Core)	7:1	7:1	7:1	8:1	8:1	9:1
	P.G. (Core)	4:1	4:1	4:1	4:1	5:1	5:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.					Sanctioned – Nil Filled –Nil	
15	Qualifications of teaching faculty with DSc/D.Litt / Ph.D/M.Phil/ P.G.		Number of present faculty members with highest degree				
			Ph.D.		M.Phil.		M.A.
			2		2		9
	*Qualification of each faculty is given in item No.10 above.						
16	Number of faculty with projects during 2008-14 from a) National b) International funding agencies and the grants received. (a) National						
	Faculty	Title of Project		Major/Minor	Duration	Agency	Grant (Rs) Received
	William Zacharias	Pre-Semiosis of Language in Polycrifical Exotopy		Minor	2 yrs	UGC	50000/-

	Dr. T.J. Abraham	Travel Writing and Modern India: A Critique of Racism, Hegemony and Identity Formation.	Minor	2007-2008	UGC	40,000/-
	Dr. Siby James	The Rasa of Deconstruction and the Deconstruction of Rasa Post-Theory and Trans-epistemic Praxes	Major	2007-10	UGC	4,88,400/-
	Dr. T.J. Abraham	Ethical Criticism: Levinas and M.K. Gandhi as Alternative Voices	Minor	2009-11	UGC	1,50,000/-
	(b) International: Nil					
17	Dept. projects funded by DST-FIST; UGC, DBT, ICSSR, KSCSTE etc. and total grants received: Nil					
18	Research Centre/facility recognized by the University:					
	Research Centre with 12 research guides					
19	Publications:					
	(a) Books/ Monographs					
	Faculty	Title of Books/ Monographs Authored /Edited	Publisher , Year and ISBN			
	Dr. Siby James	Understanding Manipravalam	Edwin Mellen, 2009, ISBN: 077-344-820-9			
	Dr. T. J. Abraham	Postmodern Ethical Criticism in the West and the East with Special Reference to Emmanuel Levinas and M.K. Gandhi	Department of English, St. Thomas College, Pala. 2012			
	(b) Journal Papers					
	Authors	Title	Journal Details	Year		
	T. J. Abraham	Levinas and Ecology	Journal Dharma	2009		
	T. J. Abraham	Paleoecologic Sacrality in Life of Pi	STARS	2009		
	Joy Jacob	Anger Against Grand Narratives	Research Lines, June	2009		
	Joy Jacob	A Lady Oracle in the Wild: Eco-feminist ethos in Margaret Atwood's Novels	Research Lines, December	2009		
	Joy Jacob	Politics of Gender in Travel Writing	Research Lines, June	2010		
	T. J. Abraham	Deep Ecology, Postmodernism and Co-realization	Viswa Bharathi Quarterly	2010		
	T. J. Abraham	Unhomy India: Life of Pi	STARS	2010		
20	Areas of consultancy and income generated: Nil					

21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards						
	Faculty		Membership				Year
	Dr. T.J. Abraham		Editorial Board of STARS, International Journal published from St. Thomas College, Pala				2008-2014
22	Student Projects						
	(a) Percentage of students who have done in-house projects including inter-departmental programme						
	(b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies						
	(i) U.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	--	--	--	100	100	100
	(b)	Nil	Nil	Nil	Nil	Nil	Nil
	(ii) P.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	100	100	100	100	100	100
	(b)	Nil	Nil	Nil	Nil	Nil	Nil
23	Awards/ recognitions received by faculty and students						
	Year	Name	Student/ Faculty	Recognition/ Award		Awarded by	
	2009	Prof. Cherian Vadakkekunnel	Faculty	Master Practioner of NLP		UK based NLP training Institute.	
	2011	Dr. Joy Jacob	Faculty	Appointed Principal of Devamatha College, Kuravilangadu		College Management	
	2011	Dr. Siby James	Faculty	Nominated as Subject Expert for the appointment of teachers in Aided Colleges under the M.G. University		M.G. University	
	2011	Dr. T.J. Abraham	Faculty	Nominated as Subject Expert for the appointment of teachers in Aided Colleges under the M.G. University		M.G. University	
	24	List of eminent academicians and scientists/ visitors to the department.					
Name		Position		Occasion/ Purpose		Date of Visit	
Dr. Indulal		Prof. S.D. College, Alapuzha		Two day seminar on Postmodern Theories for P.G. students.		24.10.2009 & 31.10.2009	
Dr. Kalyani Vallathu		Director, Training Centre for UGC/NET coaching, Tvm.		Seminar for P.G.Sudents		9.10.2009	

	George Karunakkan	H.R.A. Trainer	Orientation programme for P.G.Students	15.10.2009		
	Prof. Susan varghese	H.O.D English, C.M.S. College, Kottayam	Training for Viva for P.G. Students	21.7. 2010		
	Prof. Elizabeth J. Thomas	Prof. Marthoma College, Thiruvalla	Training for Viva for P.G. Students	21.7. 2010		
	Dr. Cynthia Merita Jose	Professor of History, Rutgers Uty., USA	Interaction with P.G. students for 3 hrs.	17.8. 2010		
	Prof. T.R.S. Iyer	Formerly Dept. of English, STC, Pala	Modernism and Postmodernism	23.8.2011		
	Abhilash Sasidharan	National School of Drama, New Delhi	A workshop on drama	5.1.2012		
	Prof Vincent John	Prof. New Man College, Thodupuzha	Training for Viva	5.7.2012		
	Twelve Researchers from the U.S.A.	From Santa Clara Uty. Sanfrancisco, California, U.S.A.	Interaction with II P.G. students.	21.1.2013		
	Dr. Mathew Joseph C.	Prof. of History, JNU, New Delhi.	Talk onInternational Politics and Indo-Pak Relations	21.6.2013		
25	Seminars/Conferences/Workshops organized and the source of funding (a) National					
	Progra- mme	Topic/ Area	Dates	Funding Agency	Amount Received	
	Seminar	Teaching and Research Methodology	22-23/12/ 2010	KSHEC	1.5 lakhs	
	Seminar	Postmodern Ethical Criticism in the West and the East with Special Reference to Emmanuel Levinas and M.K. Gandhi	28-30 March 2012	UGC	1.5 lakhs	
	(b) International: Nil					
26	Student profile programme/course wise: (a) U. G. Programme					
	Year of Pass	Applications received	Selected	Enrolled	Pass %	
				Male	Female	
	2008-09	84	23	23	0	73.53
	2009-10	98	37	37	0	75.68
	2010-11	127	26	26	0	80
	2011-12	135	32	32	0	100
	2012-13	170	38	38	0	92
	2013-14	180	37	37	0	100
	(b) P.G. Programme					
				Male	Female	
	2008-09	123	25	8	17	86.36

	2009-10	137	26	5	21	83.33	
	2010-11	84	26	7	19	88.46	
	2011-12	77	27	9	18	100	
	2012-13	94	29	7	22	95.83	
	2013-14	101	30	6	24	RA	
	(c) Ph.D.						
	Year	Admitted		Awarded	Ongoing	Dropouts	
		Male	Female				
	2008-09	7	4	1	10	--	
	2009-10	2	1	1	20	--	
	2010-11	3	1	--	23	--	
	2011-12	4	5	--	27	--	
	2012-13	1	2	--	36	--	
	2013-14	4	8	--	39	--	
27	Diversity of students						
	Year	Name of the Course	% of students From the Same state	% of students from other states	% of students from Abroad		
	2008-09	U. G.	97	3	--		
		P.G.	100	Nil	--		
		Ph.D.	100	Nil	--		
	2009-10	U.G.	97	3	--		
		P.G.	100	Nil	--		
		Ph.D.	100	Nil	--		
	2010-11	U.G.	100	Nil	--		
		P.G.	100	Nil	--		
		Ph.D.	100	Nil	--		
	2011-12	U.G.	97	3	--		
		P.G.	100	Nil	--		
		Ph.D.	100	Nil	--		
	2012-13	U.G.	97	3	--		
		P.G.	97	3	--		
		Ph.D.	100	Nil	--		
	2013-14	U.G.	100	Nil	--		
		P.G.	100	Nil	--		
		Ph.D.	100	Nil	--		
	28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.?-					
		Year	2008-09	2009-10	2010-11	2011-12	2012-13
No. passed in NET		2	2	4	1	15	10
29	Student progression against % enrolled						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	50	49	51	45	49	47
	PG to M.Phil.	10	9	9	7	5	6
	P.G. to Ph.D.	5	6	4	4	5	5

	Ph.D. to Post-Doctoral	Nil	Nil	Nil	Nil	Nil	Nil
	Employed:						
	Campus Selection	Nil	Nil	Nil	5	10	Nil
	Other than Campus recruitment	76	80	67	85	87	74
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and students			Class rooms with ICT facility	Language Lab	
	The Department has books in the General Library and in the University Study Centre.	Full time facility for staff and limited facility for students			1	1	
31	Number of students receiving financial assistance from college, university, government or other agencies.						
		2009-10	2010-11	2011-12	2012-13	2013-14	
	Central Sector Scholarship	1	--	2	1	1	
	Kerala State Suvarna Jubilee Merit Scholarship	--	1	1	2	1	
	Post Metric Scholarship	2	1	2	8	12	
	Scholarship from College	2	2	3	3	5	
	Indira Gandhi Scholarship for Single girl child	1	--	1	2	3	
	C H Muhammedkoya Scholarship	--	--	--	1	--	
	UGC Scholarship for SC/ST/Minority	1	1	1	1	1	
	University Merit Scholarship	1	--	1	--	--	
	Others: Malayala Manorama	--	--	--	1	--	
32	Details on student enrichment programmes (special lectures/workshops/seminar)with External experts						
	Programme	Expert				Dates	
	‘Awakening’, One day orientation programme for I D.C. students.	Sri. George Karunakkal and Prof. Cherian vadakkekunnel				23.7.2009	
	Interaction with P.G. III Sem students on “How to Write a Good Dissertation”.	Prof. Anu Francis, Dept. of English Beselius College, Kottayam				14.7.2010	
	Talk on Methodology of Writing a thesis for P.G and III Year U.G. Students.	Dr. Mathew Joseph, Former H.O.D. of the Dept. of English and former Vice Principal of St. Thomas College, Pala				1.3.2013	
	Orientation Programme for P.G. I Sem. students	Sri George Karunakkal, Member of Prospects International, a Kochi based HRD training organization.				29.4.2013	

	Talk on Modern Indian English Literature at Devamatha College, Kuravilangadu, attended by I Sem. PG students.	Dr. Susan Viswanathan, Prof. of History of JNU, New Delhi and Indian English writer.	13.11.2013
	Bridge Course for P.G. aspirants for 5 days	Faculty of the Dept. of English, St. Thomas College, Pala.	10.7.2013 to 14.7.2013
	UGC/NET Coaching for P.G. students	Faculty of the Dept. of English, St. Thomas College, Pala.	On all Saturdays
33	Teaching methods adopted to improve student learning		
	• Weekly test papers. • Using computer and L.C.D facilities. • Student CARE Project at the U.G. level to evaluate student performance in each class. • Seminars by students. • Model Viva • Peer teaching • Circulation of English news papers. • Orientation programme for students.		
34	Participation in Institutional Social Responsibility (ISR) and extension activities		
	1. Prof. Cherian Vadakkekunnel, organized a programme for personality development, <i>Why, Who are You?</i>, at Rifle Club, Muttom. 12.7.'09. 2. Prof. Cherian Vadakkekunnel organized the <i>Future Makers</i> programme for the students from std VI to XII and took several sessions in the three day programme. 1,2,3 May, 2009. 3. Dr. Siby James presented the novel <i>Midnight's Children</i> by Salman Rushdie, a programme organized by YMCA Book club, coordinated by Prof. Cherian Vadakkekunnel. Venue: YMCA hall. 5 April 2009. Book Club at Jcees Hall, Chethimattom, Pala. 4. Prof. Cherian Vadakkekunnel presented the novel, <i>White Tiger</i> for Jacees Book Club at YMCA Hall, Chethimattom, Pala. 5. Prof. Franci Mathew Took class in the P.T.A. General Body Meeting in Carmel CMI Public School, Vazhakulam in July 2008. Topic.: <i>New Age Parenting</i>. 6. Prof. Franci Mathew took class on Confidence Building and Stress Management to the students of Std.X of Chavara Public School, Pala. 7. Prof. Franci Mathew took class in two sessions in the Future Makers programme at Hosana Mount, Edamattom. 1,2, May 2009. 8. Prof. Cherian Vadakkekunnel acted as co-ordinator and resource person in the Orientation Programmed for the newly appointed teachers of Alphonsa college and St. Thomas college, Pala. The programme was named MOULDERS OF TOMMOROW. 9. On 22.9.'11, Prof. Jose Mathew and Dr. T.J Abraham attended the workshop on CBCSS Degree Syllabus Review under the auspices of the M.G. University held at Kottayam. 10. On 30, 31 Jan. and 1 Feb, 2012 Dr. Siby James and Prof. Jose Mathew participated in the P.G. Curriculum Revision Workshop at MG University, Kottayam. 11. Career Orientation Programme for the out going +2 batches of various schools from		

	10 a.m. to 4 p.m. on 27.3.2009, Co-coordinated by Prof. Cherian Vadakkekunnel in St. Thomas College, Pala. 12. The teachers of the Dept. acted as presiding officers in the Parliament election, 2009 13. Motivation class for students of Standard X of Chavara Public School, Pala on 26.4. 2009. Prof. Cherian Vadakkekunnel and Prof. Franci Mathew were the resource persons. 14. On 21.12.2011, The students and teachers of the English Department celebrated Christmas with the Inmates of Mariasadanam, a home for the mentally restarted at Pala.
35	SWOC analysis of the department and future plans
	(a) SWOC analysis
	Strength
	• University toppers for the last four years at P.G. level. • Multi-media facility for language acquisition. • Coaching for UGC/NET Exam. • A well-stocked C.D. library with more than 250 titles. • Stocking the general library with active faculty involvement. • Commendable pass percentage in UGC/NET Exams.
	Weakness
	• Unmanageable strength of students at U.G and P.G. levels. • Insufficient infrastructure. • Delay in sanctioning the approval of the newly appointed teachers..
	Opportunity
	• Bank test coaching. • Career guidance • Add-on course in English • Preparing students for Campus Recruitment..
	Challenges
	• To catch up with the fast changing academic scenario. • Increase in the number of unmotivated students. • Controlling the abuse of Electronic Gadgets like mobile phone by the students.
	(b) Future plans
	• Expansion of the UGC/NET coaching. • Training programmes for improving communication skills. • Annual literary fest for school and college students. • Increasing the number of invited lectures. • Collaboration with neighbouring colleges in academic and cultural activities.

1	Name of the Department	DEPARTMENT OF MALAYALAM					
2	Year of Establishment	1950					
3	Names of Programmes/ Courses offered	B.A., M.A., Ph.D.					
4	Names of Interdisciplinary Courses and the Departments/units involved	An Open Course is offered in the fifth Semester for U.G. students of other departments.					
5	Annual/semester/choice based credit system (programme wise)	B.A. – CBCSS M.A. – CSS Ph.D. – Semester (Course Work)					
6	Participation of the Department in the Courses offered by other Departments	Various Departments offer the Open Course Paper and our U.G. students opt from them. Also we offer Common Course to all U.G. Programmes.					
7	Courses in collaboration with other Universities,industries, foreign institutions	Nil.					
8	Details of courses /programmes discontinued (if any)with reasons.	Nil.					
9	Number of teaching posts:						
	Posts		Sanctioned			Filled	
	Professors		--			--	
	Associate Professors		5			5	
	Assistant Professors		5			5	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Expe- rience	No. of Ph.D. Students guided for the last 4 years
	1	Dr. Babu Sebastian (On deputation)	M.A.,M.B.A. M.F.T., Ph.D.	Associate Professor	Language and Literature	30yrs	2
	2	Dr. Baby Thomas	M.A., B.Ed. Ph.D	Associate Professor	Medieval Literature	29yrs	--
	3	Dr. Davis Xavier	M.A., B.Ed. M.Phil.,Ph.D.	Associate Professor	Grammar and Linguistics	19yrs	4
	4	Dr. Sabu De Mathew	M.A.,B.Ed. Ph.D.	Associate Professor	Modern Poetry	27yrs	2
	5	Sojan Pullattu	M.A.,B.Ed.	Assistant Professor	Folklore	5 yrs	--
	6	Dr. Thomas Scaria	M.A.,B.Ed.M.P hil., Ph.D.	Assistant Professor	Criticism and Cinema	5yrs	4

	7	Prince Mon Jose	M.A., B.Ed.	Assistant Professor	Kerala Culture	1yr	--
	8	Soumya Jose (On Leave)	M.A., B.Ed.	Assistant Professor	Feminism	1yr	--
	9	Siju Joseph	M.A., B.Ed.	Assistant Professor	Modern Literature	1 yr	--
	10	Therese Sebastian	M.A., B.Ed.	Guest Faculty	Literature	1 yr	--
	11	Manu George	M. A., B.Ed.	Guest Faculty	Literature	1 yr	--
	12	Dept. of Sanskrit Dr. C. T. Francis	M.A., M.A.(Mal) Ph.D., B.Ed.	Associate Professor	Language and Literature	26 yrs.	5
11	List of senior visiting faculty			1. Dr P J Sebastian 2. Prof. C J Sebastian 3. Prof. R S Varmaji			
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G.	20	20	20	20	10	10
	P.G.	20	20	20	20	10	10
13	Student-Teacher ratio (programme wise):						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. (Core)	20:1	23:1	16:1	22:1	26:1	35:1
	P.G.(Core)	7:1	7:1	6:1	6:1	6:1	8:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.					Sanctioned –Nil Filled - Nil	
15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/ M.Phil/ P.G.		Number of present faculty members with highest degree				
			Ph.D.		M.A.		
			6		4		
*Qualification of each faculty is given in item No.10 above.							
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received. (a) National						
	Faculty	Title of Project		Major/ Minor	Duration	Agency	Grant Received
	Dr. Sabu. De. Mathew	The cultural and religious symbol in the work of Ayyappapanikkar and Sachidhanadun		Minor	2008-2009	UGC	Rs. 76000/-
	Sojan Pullattu	Dramas Adapted to		Minor	2009-2010	UGC	Rs.75000/-

		feature film in Malayalam.A Historical Perspective				
	Dr.Davis Xavier	Letter shapes and script system	Minor	2012-2013	UGC	Rs.90000/-
	Prince Mon Jose	Mural Paintings And Wooden Engravings in the Christian temples of Meenachil Thluk- History and Faith	Minor	2013-14	UGC	Rs.90000/-
	Soumya Jose	The History and Relevance of Historical Films in Malayalam-An Evaluation	Minor	2013-14	UGC	Rs.50000/-
	Dr. Thomas Scaria	The impact of documentaries: Historical Cultural and Educational Perspective	Minor	2009-2010	UGC	Rs. 90000/-
	(b) International- Nil					
17	Dept. projects funded by DST-FIST;UGC, DBT,ICSSR, KSCSTE etc. and total grants received. - Nil					
18	Research Centre/facility recognized by the University:					
	The Department is a Research Centre in Malayalam recognized by Mahatma Gandhi University, Kottayam.					
19	Publications: (a) Books/ Monographs					
	Faculty	Title of Books/ Monographs Authored /Edited	Publisher and Year ISBN			
	Dr. P. J Sebastian	Meenachil Talukila Nadenpattukal	Book Media, Pala, 2011			
	Dr. Baby Thomas	Malayala kathayile Purushayuthangal (Ed.)	Book Media, Pala, 2011 ISBN 978-81-89085-33-9			
	Dr. Davis Xavier	Rasavicharum	Book Media, Pala, 2009 81-8908500X			
	Dr. Davis Xavier	Anmpothonnasharali	Book Media, Pala, 2011 978-81 89085			
	Dr. Davis Xavier	Malayala vyakaranum Samagraha padana padhathi	Book Media, Pala, 2012 978-81-89085-39-1			
	Dr. Davis Xavier	Prachina Kavitha-Padavum Porulum	Ascend Publication, 2012 Kottayam			
	Dr. Thomas Scaria	Janapriya Cinema – PadavumPorulum	Ascend Publication, 2012 Kottayam			
	Dr. Thomas Scaria (Editor)	Sahithyacharithravinjaneeyam	Ascend Publication, 2013 Kottayam			
	Dr Sabu De Mathew	Pathrapravarthanum Adisthanathathvangal	Book Media, Pala, 2011 978-81-89085-19-0			

	Dr. Davis Xavier (Editor)	Thiranjedutha Nandanpattukal	Book Media Choondachery, 2011
	Dr. Davis Xavier	Soundarya Nireekshanam (Preface)	Book Media Choondachery, 2013
	Dr. Thomas Scaria	Samakalika Sahithyavimarsanam 978-81- 89085-72-8	Book Media Choondachery, 2014
	(b) Journal Papers		
	Authors	Title	Journal Details
	Dr. Thomas Scaria	Cinemayude Bhasha: Ghadanayum Gadakangalum	Research Line - IV(1), 36
	Dr. Thomas Scaria	Vanya Kamanaklude Chitra Valakal	Sahitya Lokam, Jan- June 2013, page no 34
	Dr. Sabu De Mathew	G and O.N.V. – Comparison Njanapeeda Vayanakal	Maharajas College Publication
	Dr. Sabu De Mathew	Bhashanthareekaranam Changampuzhayude Kavyanarthakiyiil	Catholicate College Journal, Pathanamthitta
	Sri Sojan Pullattu	Anuvarthitha Natakangal Explorations,	Research Line Vol. 1, September, 41
	Sri Sojan Pullattu	Velichappade - Oru Samskarika Paripreshyam	Research lines Vol. No. 3, page no 56
	Sri Sojan Pullattu	Amma Sankalpavum Theyyam Thirayum	Research Lines Vol No. 5, page no52
	Dr C T Francis	Urubhanga of Bhasa – tragedy or comedy?	Vaikhari, 54-67
	Dr. C. T. Francis	Swavarga Rathi: Adharmaya Kim?	Rasana - Samkrutha Journal, 1(2), 24.
	Dr. C.T. Francis	Adhyathana Sravana Maholsavam	Rasana - Sankrutha Journal 1(3), 35
	Dr. C. T. Francis	Krithy- Sankalpavum vyathichalanavum	Assend Neru – A Malayalam monthly March-April, 11,35
	Dr. C.T. Francis	Nalla Bhasha Paranjil	Kerala Private College Teacher, June, 43-44
	Dr. C.T. Francis	Saktheekaranam Pore? Saaktheekaranam Veno?	Pramadam Monthly August, 20-21
20	Areas of consultancy and income generated: Nil		
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards- Nil		
22	Student Projects (a) Percentage of students who have done in-house projects including inter-departmental programme (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies.		

	(i) U.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	--	--	--	100	100	100
	(b)	Nil	Nil	Nil	Nil	Nil	Nil
	(ii) P.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	100	100	100	100	100	100
	(b)	Nil	Nil	Nil	Nil	Nil	Nil
23	Awards/ recognitions received by faculty and students						
	Year	Name	Student/ Faculty	Recognition/ Award		Awarded by	
	2008	Vysakh K Sajeev	Student	R.S Varmaji Endowment		STC Palai	
	2009	Arun K.M	Student	R.S Varmaji Endowment		STC Palai	
	2010	Rathesh Kumar P	Student	R.S Varmaji Endowment		STC Palai	
	2011	Prince T Jose	Student	R.S Varmaji Endowment		STC Palai	
	2011	Therase Sebastian	Student	Dr. S. Rajasekharan Endt.		Alumni STC Palai	
	2012	Therase Sebastian	Student	R.S Varmaji Endowment		STC Palai	
	2012	Athira K R	Student	Dr. S. Rajasekharan Endt.		Alumni STC Palai	
	2013	Athira K R	Student	R.S Varmaji Endowment		STC Palai	
24	List of eminent academicians and scientists/visitors to the department.						
	Name		Position		Occasion/ Purpose		Duration of Visit
	Dr.SukumarAzikkodu		Critic		BA Malayalam-Golden jubilee inaugurations		19-01-2009
	Dr. Cyriac Thomas		Former V. C. M. G. University		Seminar		15-02-2013
	Dr. Shornoor Karthikayen		Critic		Seminar		23-8-2011
	Chandramathi		Short story writer		Seminar		24-6-2010
	Bhadren		Film Director		Cinema seminar		22-01-2013
	Subhash Chandran		Short story writer		Seminar		7-03-2011
	S. Joseph		Poet		Kavisammalanum		11-12-2009
	D.Santhosh		Poet		Kavisammalanum		11-12-2009
	K C Narayanan		Critic		Talk&book release		11-12-2012
	Dr. Bettymol Mathew		Critic		Seminar		23-2-2012
	Benny P Thomas		Film Director		Cinema seminar		25-01-2013
	Kavalam Narayana Panikker		Poet		Nadum Moziyum		24-01-2013
	Dr. Arsu		Critic		Seminar		19-09-2012
	Dr. K Ravikumar		Folklore Performer		Padayani		23-09-11
	Dr. Dominic J Kattor		Critic		Kavithalapana kalari		18-2-2011
	Dr. P S Radhakrishnan		Critic		Seminar		27-10-2010

	Perumbadavam Sreedharan	Novelist	Seminar	17-09-2012		
25	Seminars/Conferences/Workshops organized and the source of funding (a) National					
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received	
	Seminar	Women's Role in Literature	24-26/6/2010	UGC	75000/-	
	Workshop	Fourth Estate: Role and Relevance in India	15/2/2013	UGC	10000/-	
	Workshop	Humanities: Methodology and Perspectives	23-24/8/2011	KSHEC	25000/-	
	(b) International: Nil					
26	Student profile programme/course wise: (a)U. G. Programme					
	Year	Applications received	Selected	Enrolled		Pass %
				Male	Female	
	2008-09	74	18	18	--	100
	2009-10	85	24	24	--	100
	2010-11	90	24	24	--	73
	2011-12	120	42	41	--	100
	2012-13	140	55	55	--	87
	2013-14	175	51	51	--	61
	(b)P.G. Programme					
	Year	Applications received	Selected	Enrolled		Pass %
				Male	Female	
	2008-09	71	17	2	15	73.33
	2009-10	76	15	5	10	86.66
	2010-11	66	14	5	9	92.31
	2011-12	78	14	2	12	100
	2012-13	53	18	6	12	83.33
	2013-14	75	19	7	12	RA
	(c) Ph.D.					
		Male	Female			
2008-09	1	--	--	3	Nil	
2009-10	1	--	--	4	Nil	
2010-11	2	3	--	5	Nil	
2011-12	1		--	10	Nil	
2012-13	2	2	1	10	Nil	
2013-14	3	3	--	14	Nil	
27	Diversity of students					
	Year of admission	Name of the Course	% of students From the Same state	% of students from other states	% of students from Abroad	
	2008-09	U. G.	100	--	--	

		P.G.	100	--	--		
	2009-10	U. G.	100	--	--		
		P.G.	100	--	--		
	2010-11	U. G.	100	--	--		
		P.G.	100	--	--		
	2011-12	U. G.	100	--	--		
		P.G.	100	--	--		
	2012-13	U. G.	100	--	--		
		P.G.	94	6	--		
2013-14	U. G.	98	2	--			
	P.G.	100	--	--			
28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.?-						
	Year	2009-10	2010-11	2011-12	2012-13	2013-14	
	No. Passed NET	4	1	2	3	4	
29	Student progression against % enrolled						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	5	5	5	5	10	5
	PG to M.Phil.	1	--	1	2	--	--
	P.G. to Ph.D.	2	1	1	--	2	--
	Ph.D. to Post-Doctoral	--	--	--	--	--	--
	Employed Campus Selection Other than Campus recruitment	3	2	1	2	1	--
30	Details of Infrastructural facilities						
	Library		Internet facility for Staff and students		Class rooms with ICT facility		No of PCs in the Dept.
	The department maintains a library of over 6000 books.		Available		Two		2
31	Number of students receiving financial assistance from college, university, government or other agencies.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Central Sector Scholarship	--	1	--	1	2	2
	Kerala State Suvarna Jubilee Merit Scholarship	--	--	--	--	1	1
	Post Metric Scholarship	1	1	1	2	3	5
	Scholarship from College	1	2	1	1	2	1
	Indira Gandhi	--	--	--	--	1	1

	• An adequate department library with over 6000 books, providing facilities for reference and study, both for the staff and students. • An elaborate section in the general library with sufficient number of books and periodicals.
	Weakness
	• Lack of a separate room for the Department library for the convenience of Research scholars and other students. • Majority of our students hail from poor families. • Absence of a Malayalam Language Laboratory
	Opportunity
	• Now the State Govt. has declared Malayalam as the Language of Administration. • Govt. has taken the policy of teaching, Malayalam compulsorily at school level. • Knowledge in Malayalam is made an essential requirement for getting Government jobs. • The field of Media inclusive of cinema is in need of experts in Malayalam. • Now a Malayalam University is started at Thunchanparampu in the State.
	Challenges
	• English Medium Schools are now becoming a fashion in Kerala. • The state itself is very rapidly switching over to the western culture. • Majority of the school children and the youth are not having any attachment with the language of Malayalam.
	(b) Future plans
	• To find out new areas of study and enhance research in Malayalam. • To enable students to achieve more success in exams like SET and NET. • To improve the quality of department library. • To organize more literary seminars and non-literary activities. • To attend seminars and workshops to improve the quality and competence of teachers.

1	Name of the Department			DEPARTMENT OF HINDI			
2	Year of Establishment			1957			
3	Names of Programmes/ Courses offered			M.A., Ph.D, Diploma in Hindi Translation & Documentation (UGC-COP)			
4	Names of Interdisciplinary Courses and the Departments/units involved			Nil			
5	Annual/semester/choice based credit system (programme wise)			M.A. – CSS Ph.D. – Semester (With Course Work)			
6	Participation of the Department in the Courses offered by other Departments			Nil			
7	Courses in collaboration with other Universities,industries, foreign institutions			Nil			
8	Details of courses /programs discontinued (if any)with reasons.			Nil			
9	Number of teaching posts:						
	Posts		Sanctioned		Filled		
	Professors		--		--		
	Associate Professors		6		6		
	Assistant Professors		--		--		
10	Faculty profile with name, qualification, designation, specialization.						
	Sl. No	Name	Qualification	Designation	Specialization	Expe- rience	No. of Ph.D. Students guided for the last 4 years
	1	Dr. K.M Mathew	M.A., M. Phil. Ph.D.	Associate Professor	History of Literature	28yrs	5
	2	Dr. V.V Georgekutty	M.A., MPA, Ph.D., D.Litt.	Associate Professor	Short Story	28yrs	4
	3	Dr. Augustine John	M.A., Ph.D.	Associate Professor	Ancient Poetry	27yrs	Nil
	4	Dr. Mathew Thomas	M.A., Ph.D.	Associate Professor	Prose	26yrs	1
	5	Dr. C.K James	M.A., Ph.D. M.P.M. M.A.(Ling.)	Associate Professor	Philology	25yrs	5
	6	Dr. P.D George	M.A., B.Ed. Ph.D.	Associate Professor	Drama	24yrs	Nil
11	List of senior visiting faculty			1. Prof. R. S. Poduval 2. Dr. N. K. Joseph 3. Prof. C. P. Philip			

	4. Dr. P. M. Thomas						
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty: Nil (For both UG & PG during 2008-14)						
13	Student-Teacher ratio (program wise):						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	P. G.	3:1	2:1	4:1	3:1	3:1	4:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.					Sanctioned –01 Filled -01	
15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/ M.Phil/ P.G.	Number of present faculty members with highest degree					
		D.Litt.			Ph.D.		
		1			5		
	*Qualification of each faculty is given in item No.10 above.						
16	Number of faculty with projects during 2008-14 from a) National b) International funding agencies and the grants received.						
	(a) National						
	Faculty	Title of Project	Major/ Minor	Duration	Agency	Grant Received	
	Dr. V. V. Georgekutty	Dalit Empowerment Depicted in Hindi Fiction	UGC	2009-2011	UGC	75000/-	
	Dr. C.K James	Problems of Hindi Teaching in Kerala	UGC	2010-2012	UGC	80000/-	
	(b) International: Nil						
17	Dept. projects funded by DST-FIST;UGC,DBT,ICSSR, KSCSTE etc. and total grants received.						
	Title of Project	Coordinator		Duration	Agency	Grant Received	
	Add-on Course in Hindi – Correspondence, Translation and DTP	Dr. K.M. Mathew		2006-2009	UGC	Rs. 100000	
18	Research Centre/facility recognized by the University:						
	Offering Ph.D in Hindi. Recognized by the Kerala Uty. in 1972 and after bifurcation, by the M.G Uty. in 1987. Produced 75 Ph.Ds till date and currently 9 research scholars are doing research. There are six research guides (two retired hands and four present faculty) This is the oldest research centre of the college and the first Hindi Research Centre in Kerala.						
19	Publications:						
	(a) Books/ Monographs						
	Faculty	Title of Books Authored /Edited		Publisher and Year			
	Dr. V.V Georgekutty	Ek Aur Anusheelan		Sincere Publishers, Pala, Kerala 2008			
	Dr. V.V Georgekutty	Khurpi		Sincere Publishers, Pala, Kerala 2009			
	Dr. V.V Georgekutty	Surchap		Sincere Publishers, Pala, Kerala 2010			
	Dr. V.V Georgekutty	Vaigyanik Paheliyam		Sincere Publishers, Pala, Kerala 2011			

	Dr. V.V Georgekutty	Selected Essays(English)	Sincere Publishers, Pala, Kerala 2012			
	Dr. V.V Georgekutty	Chosen Essays(English)	Sincere Publishers, Pala, Kerala 2013			
	(b) Journal Papers					
	Faculty	No. of publications in the year				
		2008	2009	2011	2012	2013
	Dr. V. V. Georgekutty	1	3	1	1	1
20	Areas of consultancy and income generated: Nil					
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards					
	Faculty	Membership				Year
	Dr. K.M Mathew	Editorial Board of STARS, an international journal				2001-
	Dr. V.V Georgekutty	Executive Editor of STARS, an international journal				2003-
	Dr. V.V Georgekutty	Editorial Board Member, DEV BHARATI, a national journal				2007-2010
22	Student Projects (a) Percentage of students who have done in-house projects including inter-departmental programme (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies					
		Final Year of the PG Programme				
		2008-09	2009-10	2010-11	2011-12	2012-13
	(a)	100	100	100	100	100
	(b)	Nil	Nil	Nil	Nil	Nil
23	Awards/ recognitions received by faculty and students					
	Year	Name	Student/ Faculty	Recognition/ Award	Awarded by	
	2011	Dr. V. V. Georgekutty	Faculty	Saint Berchman's Award for the best college teacher in Kerala	St. Berchman's College, Changanacherry	
24	List of eminent academicians and scientists/visitors to the department.					
	Name		Position	Occasion/ Purpose	Duration of Visit	
	Dr. Sakuntala Reddy		Professor, Central Institute of Hindi, Hyderabad	Invited talk	09-10-2011	
	Dr. NeerajTandon		Professor, Kumaun University, Haryana	Invited talk	11-06-2012	
	Dr. Keerthi Panth		Professor, Women's College, Nainital Uttarakhand	Invited talk	12-06-2012	

	Dr. Susheela Takbhaure	Professor, Kampee College, Nagpur Maharashtra	Invited Talk	28-02-2013		
25	Seminars/Conferences/Workshops organized and the source of funding (a) National					
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received	
	Seminar	Fiction of NirmalVarma	8-10 July 2008	UGC	Rs. 60000/-	
	Seminar	Dalit Empowerment	28-02-2013	UGC	Rs. 20000/-	
26	Student profile programme/course wise: M A Hindi					
	Year	Applications received	Selected	Enrolled		Pass %
				Male	Female	
	2008-09	40	20	2	18	80
	2009-10	43	16	--	16	75
	2010-11	49	13	3	10	92
	2011-12	55	19	5	14	84
	2012-13	70	23	3	20	58
	2013-14	90	21	2	19	RA
	(c) Ph.D.					
	Year	Admitted		Awarded	Ongoing	Dropouts
		Male	Female			
	2008-09	1	3	1	8	0
	2009-10	0	4	2	10	0
	2010-11	0	3	4	10	0
	2011-12	0	5	2	11	0
	2012-13	0	1	2	14	0
	2013-14	0	0	1	14	0
	27	Diversity of students				
Year		Name of the Course	% of students From the Same state	% of students from other states	% of students from Abroad	
2008-09		P.G.	100	0	0	
		Ph.D.	100	0	0	
2009-10		P.G.	100	0	0	
		Ph.D.	100	0	0	
2010-11		P.G.	100	0	0	
		Ph.D.	100	0	0	
2011-12		P.G.	100	0	0	
		Ph.D.	100	0	0	
2012-13		P.G.	100	0	0	
		Ph.D.	100	0	0	
2013-14		P.G.	100	0	0	
		Ph.D.	100	0	0	

28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.? 1 passed NET in the year 2012-13						
29	Student progression against % enrolled						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	PG to M.Phil.	1	--	--	1	--	--
	P.G. to Ph.D.	10	13	12	15	-	-
	Ph.D. to Post-Doctoral	NA	NA	NA	NA	NA	NA
	Employed Campus Selection Other than Campus recruitment	7	5	3	4	--	--
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and students		Class rooms with ICT facility		No. of PCs in the Dept.	
	Students depend on the General Library.	Available in the department		1		3	
31	Number of students receiving financial assistance from college, university, government or other agencies.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Central Sector Scholarship	1	--	--	--	1	1
	Kerala State Suvarna Jubilee Merit Scholarship	--	--	--	--	1	1
	Post Metric Scholarship	1	1	--	--	1	2
	Scholarship from College	2	1	1	2	1	1
	Indira Gandhi Scholarship for Single girl child	1	--	1	--	--	--
	Hindi Scholarship	--	--	--	--	--	5
	UGC Scholarship for SC/ST/Minority	1	1	1	2	1	1
	University/KPCR	4	8	8	9	7	6
32	Details on student enrichment programmes (special lectures/workshops/seminar) with External experts						
	Programme		Expert			Dates	
	Premchand Commemorative Lecture		Prof. Rama Kaimal			27-08-2010	
	Regionalism in Hindi Novels		Dr. R. Surendran			13-09-2009	
	Official Hindi		Dr. C. Viswanathan			23-11-2010	
	Soor Sahitya		Dr. Vishnu Virat Chaturvedi			17-10-2010	

33	Teaching methods adopted to improve student learning a) Remedial teaching b) Extra classes c) Test papers d) Rapid questions e) Seminars and classes conducted f) Quiz programs g) Peer teaching by research scholars.
34	Participation in Institutional Social Responsibility (ISR) and extension activities (i) Dr. P.D George is Coordinator of the Road Safety Club; Secretary of High Power Committee; Coordinator of the Janamaithri Police; Associate NCC Officer (Naval). (ii) Dr K M Mathew is the Secretary of PTA.
35	SWOC analysis of the department and future plans (a) SWOC analysis
	Strength
	- Competent and dedicated staff . - All teachers are doctoral degree holders and one teacher has post-doctoral degree. - First Research Centre in Hindi in Kerala. - Obedient and disciplined students. - An elaborate section in the general library with sufficient number of books, journals and periodicals. - The department publishes a National Journal 'Shodh Kshitij'.
	Weakness
	- Lack of a separate room for the convenience of research scholars. - Majority of students are hailing from poor families. - Absence of a Hindi Language Lab.
	Opportunity
	- Hindi, being the national language, the Union Govt. is promoting it through various means. - Govt. has taken the policy of teaching Hindi compulsorily at school level. - Knowledge in Hindi is made a preferential requirement for getting central Government jobs. - The field of Media including cinema is in need of experts in Hindi. - Now, a Hindi university is started at Wardha..
	Challenges
	- The study of Hindi, like that of any other language, is deeply rooted in the culture of its birth place, or where it is a mother tongue. In Kerala Hindi is not the mother tongue. - The state itself is rapidly switching over to the western culture. As a result of this phenomenon, majority of the school children and the youth are not having any attachment with the language of Hindi.
	(b) Future plans
	- To find out new areas of study and enhance research in Hindi. - To enable students to achieve greater success in qualifying exams like SET and NET. - To start M.Phil, B.A Hindi (Vocational) Programmes. - To develop a Hindi Language Lab. - To conduct seminars and workshops to improve the quality and competence of teachers.

1	Name of the Department	DEPARTMENT OF MATHEMATICS					
2	Year of Establishment	1953					
3	Names of Programmes/ Courses offered	B.Sc., M.Sc, Ph.D.					
4	Names of Interdisciplinary Courses and the Departments/units involved	Applicable Mathematics – Open Course offered to the fifth Semester U.G. students					
5	Annual/semester/choice based credit system (programme wise)	B.Sc. – CBCSS M.Sc. – CSS Ph.D. – Semester (Course Work)					
6	Participation of the Department in the Courses offered by other Departments	Various Departments offer the Open Course Paper and our U.G. students opt from them. Also we offer Complementary Course to UG Programmes in Physics and Chemistry.					
7	Courses in collaboration with other Universities,industries, foreign institutions	Nil					
8	Details of courses /programmes discontinued (if any)with reasons.	Nil					
9	Number of teaching posts:						
	Posts		Sanctioned			Filled	
	Professors		--			--	
	Associate Professors		5			5	
	Assistant Professors		3			3	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Expe-rience	No. of Ph.D. Students guided for the last 4 years
	1	Manuel Joseph Panavely	MSc	Associate Professor	--	28 years	--
	2	Dr. V K Jose	MSc, M.Phil, PhD	Associate Professor	--	24 years	--
	3	Thankachan Augutine	MSc, B.Ed, MPhil	Associate Professor	Operations Research	20 years	--
	4	Dr Sunil C Mathew	M.Sc, B.Ed, Ph.D.	Associate Professor	Topology, Graph Theory	19 years	3
	5	Tommy Thomas	M.Sc	Associate Professor	Pure Mathematics	21 years	--
	6	Dr. Raj Mathew	M.Sc, Ph.D.	Assistant Professor	Game Theory	5 years	--

(b) Journal Papers			
Authors	Title	Journal Details	Year
Boby P Mathew, Sunil Jacob John	On Rough Topological Spaces	Int. J. Math. Archive, 3(9), 3413-3421.	2012
Ullas Thomas, Sunil C. Mathew	On Set-Indexers of Graphs	Palestine J. Math. Vol. 3(2), 273–280.	2014
Anjaly Jose, Sunil C. Mathew	Invertibility in L-Topological Spaces	Fuzzy Information & Engineering 6(1), 41-57	2014
Sunil C. Mathew, Ullas Thomas	A Note on Topological Numbers of Graphs	Graph Theory Notes N.Y. LXV, 15-18.	2013
Anjaly Jose, Sunil C. Mathew	Local to Global Properties of Invertible L-Topologies	Fasc. Matematica, XX (2), 85-94	2013
Ullas Thomas, Sunil C. Mathew	Topoline Set Graceful Graphs	Far East J. Math. Sci. 72(2), 331-352.	2013
Ullas Thomas, Sunil C. Mathew	Graphical Realization of a Topology	J. Adv. Res. Pure Math. 5(3), 73-87.	2013
Anjaly Jose, Sunil C. Mathew	Invertibility of the Related Spaces of a Fuzzy Topological Space	Thai J. Mathematics, (in press).	2014
Sunil C. Mathew, Ullas Thomas	Strongly T-set Graceful Graphs	Graph Theory Notes N. Y. LXII, 17–28.	2012
Ullas Thomas, Sunil C. Mathew	Topologically Set Graceful Stars, Paths and Related Graphs	South Asian J. Math. 2 (4), 392 – 408.	2012
Ullas Thomas, Sunil C. Mathew	On Set-Semigraceful Graphs	Int. J. Math. Comb. Vol. 2, 59-70	2012
Anjaly Jose, Sunil C. Mathew	On Compactness and Connectedness of Invertible Fuzzy Topological Spaces	Int. J. of Pure and Applied Math. 79(4), 535-546.	2012
Ullas Thomas, Sunil C. Mathew	On Set Indexers of Paths, Cycles and Certain Related Graphs	Dis. Math. Alg. Appl. 4(3), 1250025 (12 pages).	2012
Ginu Varghese, Sunil C. Mathew	A Note on the Lattice of L- Topologies	J. Fuzzy Math. Vol. 20, No. 2, 359-369.	2012
Anjaly Jose, Sunil C. Mathew	Orbits and Homogeneities of Invertible Fuzzy Topological Spaces	J. of Adv. Stud. in Topol. 3(3), 23-31.	2012
Ginu Varghese, Sunil C. Mathew	On the Level Decompositions by the Range of an L-fuzzy Topological Space	Fuzzy Information and Engineering, 3: 225-234.	2011
Anjaly Jose, Sunil C. Mathew	Strongly Homogeneous Fuzzy Topological Spaces	Int. J. Fuzzy Math. Syst.1(3), 263-271.	2011
Sunil C. Mathew, Anjaly Jose	On the Structure of Invertible Fuzzy Topological Spaces	Adv. Fuzzy Sets and Syst. 5(2), 153-170	2010
Sunil C. Mathew	On the Properties of Adjacent Fuzzy Topologies	Bull. Calcutta Math. Soc. 102,(3)213-218.	2010
Sunil C. Mathew,	Invertible and Completely	J. Fuzzy Math. 18(3), 647 -	2010

	Anjaly Jose	Invertible Fuzzy Topological Spaces	658.			
	Sunil C. Mathew, Anjaly Jose	On Invertible fuzzy topological spaces	J. Fuzzy Math. 18(2), 423-433.	2010		
	Ullas Thomas, Sunil C. Mathew	On Topological Set Indexers of Graphs	Adv. Appl. Discrete Math. 5(2), 115-130.	2010		
	Ginu Varghese, Sunil C. Mathew	On the Characterizing Lattice of an L-Fuzzy Topological Space	Far East J. Math. Sci. Vol. 39, No.1, 15-27.	2010		
	Anjaly Jose, Sunil C. Mathew	Some Properties of Invertible Fuzzy Topological Spaces	Far East J. Math. Sci. 40(1), 67-79.	2010		
	Sunil C. Mathew, Anjaly Jose	H-fuzzy Topological Spaces	J. Fuzzy Math. 18(1), 117-128.	2010		
	Ullas Thomas, Sunil C. Mathew	On Set Indexer Number of Complete K-partite Graphs	Int. J. Math. Comp. 5, No. D09, 18-28.	2009		
	Ullas Thomas, Sunil C. Mathew	On Set Indexers of Multi-Partite Graphs	STARS Int. Journal (Sci.), 3(1), 1-10.	2009		
20	Areas of consultancy and income generated: Nil					
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards					
	Faculty	Details of Membership				
	Dr. Sunil C Mathew	Editorial Board Member, Int. Journal of Research in Eng. and Adv. Technology(IJREAT) ISSN:2320-8791				
	Dr. Sunil C Mathew	Editorial Board Member, Sasthrapadham				
	Dr. Sunil C Mathew	Associate Editor, STARS International Journal (Sciences)				
	Dr. Sunil C Mathew	Reviewer, Mathematical Reviews				
	Dr. Sunil C Mathew	Reviewer, Zentralblatt MATH				
	Dr. Sunil C Mathew	Editorial Board Member, International Journal of Research in Mathematics & Computation ISSN:2348-151X				
	Dr. Sunil C Mathew	Referee, Journal of Advanced Studies in Topology ISSN 2090-8288				
	Dr. Sunil C Mathew	Referee, International Journal of Fuzzy Systems				
	Dr. Sunil C Mathew	Life member of The Association of Mathematics Teachers of India				
	Dr. Sunil C Mathew	Life Member of the Ramanujan Mathematical Society				
	Dr. Sunil C Mathew	Life Member of the Kerala Mathematical Association				
	Dr. Sunil C Mathew	Annual membership in American Mathematical Society				
	Dr. Sunil C Mathew	Life Member of the Indian Mathematical Society				
	Dr. Sunil C Mathew	Annual membership in Mathematical Association of America				
22	Student Projects					
	(a) Percentage of students who have done in-house projects including inter-departmental programme					
	(b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies					
	(i) U.G. Programme					
		Final Year of the Programme				
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14

	(a)	--	--	--	100	100	100
	(b)	--	--	--	--	--	--
	(ii) P.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	100	100	100	100	100	100
(b)	--	--	--	--	--	--	
23	Awards/ recognitions received by faculty and students						
	Year	Name	Student/ Faculty	Recognition/ Award	Awarded by		
	2011	Prof. Thankachan Augustine	Faculty	Best NSS Programme Officer	M.G. University, Kottayam.		
24	List of eminent academicians and scientists/visitors to the department.						
	Name		Position		Occasion/ Purpose		Date of Visit
	Prof. Thomas Zaslovsky		Dept. of Mathematical Sciences, State University of New York		To address PG students		18-8-2009
	Prof. Rajan K Amburi		S B College, Changanacherry		To address PG students		20-2-2010
	Prof. P K Banarji		Jai Narain Vyas University		To address PG students		3-12-2010
	Dr. Tony Thomas		IIITM-K Trivandrum		Two day workshop in Number Theory		12-12-2012
	Dr. Reji T.		Govt. College, Chittoor		Two day workshop in Number Theory		12-12-2012
25	Seminars/Conferences/Workshops organized and the source of funding						
	(a) National						
	Programme	Topic/ Area		Dates	Funding Agency	Amount Received	
	One day workshop	Pedagogy Science		2-10-2009	KSHEC	Rs. 5000/-	
	Workshop	Number theory and Cryptography		12-13/12/2012	CPE	Rs. 19000/-	
	(b) International: Nil						
26	Student profile programme/course wise:(a)U. G. Programme						
	Year	Applications received	Selected	Enrolled		Pass %	
				Male	Female		
	2008-09	140	25	25	--	96	
	2009-10	132	28	28	--	67	
	2010-11	126	22	22	--	78	
	2011-12	140	20	20	--	96	
	2012-13	118	27	27	--	90	

	2013-14	105	36	36	--	83
	(b)P.G. Programme					
	Year	Applications received	Selected	Enrolled		Pass %
				Male	Female	
	2008-09	72	11	3	8	53
	2009-10	86	14	2	12	56
	2010-11	78	14	2	12	100
	2011-12	101	16	3	11	100
	2012-13	98	18	2	16	81
	2013-14	86	18	--	18	RA
	(c) Ph.D.					
	Year	Admitted		Awarded	Ongoing	Dropouts
		Male	Female			
	2008-09	1	1	2	--	--
	2009-10	1	0	--	1	--
	2010-11	--	2	--	1	1
	2011-12	--	1	--	--	1
	2012-13	--	--	2		--
	2013-14		1	--	1	--
27	Diversity of students					
	Year	Name of the Course	% of students From the Same state	% of students from other states	% of students from Abroad	
	2008-09	U. G.	100	--	--	
		P.G.	100	--	--	
		Ph.D.	100	--	--	
	2009-10	U.G.	100	--	--	
		P.G.	100	--	--	
		Ph.D.	100	--	--	
	2010-11	U.G.	95	5	--	
		P.G.	100	--	--	
		Ph.D.	100	--	--	
	2011-12	U.G.	100	--	--	
		P.G.	94	6	--	
		Ph.D.	100	--	--	
	2012-13	U.G.	100	--	--	
		P.G.	100	--	--	
		Ph.D.	100	--	--	
	2013-14	U.G.	100	--	--	
		P.G.	100	--	--	
		Ph.D.	100	--	--	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.?-					

	No. of students qualified NET in the year						
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	3	4	1	3	1	--	
29	Student progression against % enrolled						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	25	25	20	30	25	--
	PG to M.Phil.	10	15	10	--	--	--
	P.G. to Ph.D.	10	7	--	--	--	--
	Ph.D. to Post-Doctoral	--	--	--	--	--	--
	Employed						
	Campus Selection	10	10	5	10	20	--
30	Details of Infrastructural facilities						
	Library		Internet facility for Staff and students		Class rooms with ICT facility	No. of PCs in the Computer lab	
31	There are sufficient number of mathematics books in the general library		Available in the department as well as in the computer lab.		2	3	
	Number of students receiving financial assistance from college, university, government or other agencies.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Central Sector Scholarship	1	1	--	--	1	3
	KSHEC Scholarship	1	1	--	1	1	--
	Kerala State Suvarna Jubilee Merit Scholarship	1	1	--	2	3	2
	Post Matric Scholarship	2	2	1	5	16	15
	UGC Merit Scholarship for Rank Holders	1	1	--	--	--	--
	Scholarship from College (PTA)	5	5	5	5	5	5
	Indira Gandhi Scholarship	1	--	1	--	1	--
	C H Muhammedkoya Scholarship	1	--	--	--	--	--
	Inspire Scholarship	1	--	--	--	2	2
	UGC Scholarship for SC/ST/Minority	2	2	2	2	2	2
	Blind/PH	--	--	--	--	1	--

1	Name of the Department	DEPARTMENT OF STATISTICS					
2	Year of Establishment	1953					
3	Names of Programmes/ Courses offered	M.Sc., Ph.D.					
4	Names of Interdisciplinary Courses and the Departments/units involved	M.Sc. Biostatistics Statistics, Microbiology					
5	Annual/semester/choice based credit system (programme wise)	M.Sc. – CSS Ph.D. – Semester (Course Work)					
6	Participation of the Department in the Courses offered by other Departments	Bio-Statistics for M.Sc. Applied Micro-Biology, Statistics for M.A. Economics (I & II Semesters), Statistics (Complementary) for B.Sc. Mathematics (I, II, III & IV Semesters) Statistics for B.A. Economics (V & VI semesters)					
7	Courses in collaboration with other Universities, industries, foreign institutions	Nil					
8	Details of courses / programmes discontinued (if any) with reasons.	Nil					
9	Number of teaching posts:						
	Posts		Sanctioned			Filled	
	Professors		--			--	
	Associate Professors		7			7	
	Assistant Professors		--			--	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Expe- rience	No. of Ph.D. Student s guided for the last 4 years
	1	K. K. Jose	M.Phil., Ph.D.	Principal	Stochastic Process	33 years	12
	2	Joy Jacob,	M.Phil., Ph.D.	Associate Professor	Econometrics	31 years	0
	3	K.M. Kurian,	M.Phil., Ph.D.	Associate Professor	Statistical Quality Control	26 years	0
	4	Alex Thannippara	Ph.D.	Associate Professor	Design of Experiments	21 years	2
	5	Sebastian George	M.Phil., Ph.D.	Associate Professor	Statistical Inference	19 years	6
	6	Benny Kurian,	M.B.A., Ph.D.	Associate Professor	Operations Research	22 years	0

	7	Seemon Thomas,	M.Phil., Ph.D.	Associate Professor	Stochastic Process	17 years	1	
11	List of senior visiting faculty	1. Prof. Thomas Mathew, Maryland University, USA. 2. Dr. L. Jayaseelan, CMC, Vellore. 3. Dr. Aleyamma Mathew, RCC, Trivandrum. 4. Dr. Anil C. Mathew, PSG Institute of Medical Sciences, Coimbatore.						
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.: Nil							
13	Student-Teacher ratio (programme wise):							
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	P.G. (Core)	7:1	7:1	7:1	7:1	7:1	7:1	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.					Sanctioned – Nil Filled - Nil		
15	Qualifications of teaching faculty with DSc/ D.Litt / Ph.D/M.Phil/ P.G.		Number of present faculty members with highest degree					
			Ph.D.					
			7					
*Qualification of each faculty is given in item No.10 above.								
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received. (a) National							
	Faculty	Title of Project			Major/ Minor	Duration	Agency	Grant Received
	K.M. Kurian	A Sensitivity Study of the Confidence Interval Estimation of Process Capability Indices in the Variance Components Model			Minor	2007-2009	UGC	1.2 lakhs
	K.K. Jose	Generalizations of Mittag Leffler Distributions and Process			Minor	2 years	UGC	90,000
	Joy Jacob	A statistical study of the contributing factors of human development in the case of Scheduled Tribes in Kottayam and Idukki Districts of Kerala			Minor	2006-2008	UGC	125000
	Dr K.K.Jose	Marshal Olkin Generalized Distributions and their Applications			Major	2012-2015	UGC	6.63 Lakhs
	Bindu P.P	Statistical Applications in Micro-array technology and Bioinformatics			Women Scientist Scheme	2009-2012	DST	10 lakhs
	(b) International: Nil							
	17	Dept. projects funded by DST-FIST; UGC, , KSCSTE etc. and total grants received.						
		Title of Project		Coordinator		Duration	Agency	Grant Received
M.Sc. Biostatistics (UGC Innovative program)		Sebastian George		5 Years 2005-2010	UGC	50,00000		

18	Research Centre/facility recognized by the University: Approved Research Centre of Mahatma Gandhi University, Kottayam.			
19	Publications: (a) Books/ Monographs			
	Faculty	Title of Books Authored /Edited	Publisher, Year and ISBN	
	K.K Jose	Geometric Exponential Distributions: Generalizations and Applications	LAP Lambert Academic Publishers, Germany ,2009 ISBN 978-3-8383-0746-6	
	Seemon Thomas	Basic Statistics	Narosa, ISBN: 978-81-8487-325-2	
	Joy Jacob, K. M. Kurian and S. George	Proceedings of the International Conference on Mathematical Sciences	Department of Statistics, St Thomas College, Pala, 2011	
	(b) Journal Papers			
	Authors	Title	Journal Details	Year
	K.K. Jose, Shanoja R. Naik	A class of asymmetric pathway distributions and an entropy interpretation	Physica A, 387,6943-6951	2008
	K.K. Jose, L. Tomy, J. Sreekumar	Autoregressive processes with normal-Laplace marginals	Statistics and Probability Letters 78, 2456-2462	2008
	K.K. Jose, Shanoja R. Naik, Miroslav M. Ristic	Marshall-Olkin q – Weibull distribution and max-min processes	Statistical Papers, 51, 837-851	2010
	K.K. Jose, L. Tomy, J. Sreekumar	Autoregressive processes with normal-Laplace marginals	Statistics and Probability Letters 78, 2456-2462	2008
	K.K. Jose and V. Seethalekshmy	On Discrete Skew Laplace Processes	J. Agricultural Statistics and Applns ,4,2,353-358	2008
	K.K. Jose, ShanojaR.Naik	On the q-Weibull distribution and its applications	Comm. Statistics: Theory and Methods,38, 912-926	2009
	K.K. Jose, LishamolTomy	A single framework for Gaussian and non-Gaussian time series models	J. Applied Math. Sciences.	2008
	Jayamol K.V., Jose K.K	Stochastic Ordering with respect to alternating probability generating functions	STARS: Int. Journal, 2,1,20-28	2008
	Shanoja R. Naik., Jose K.K	Mittag-Leffler functions and a pure-birth process	STARS: Int. Journal, 2, 1, 29-40	2008
	K.K. Jose, LishamolTomy	Generalised Normal - Laplace AR Processes	Stati. and Prob. Letters.,79,1615-1620.	2008
	K.K. Jose and K.V. Jayamol	On a characterization of Geometric lifetime distribution using a.p.g.f. ordering	J.Indian Stat. ,46,1,23-30	2009
	K.K. Jose, V. Seethalekshmi, M. M. Pathiyil	Integer Valued Skew Laplace Processes and Stress Strength Models	Science & Society, 7(1), 37-48.	2009
	K.K. Jose, Shanoja R. Naik	A Stress-strength Model using q-Weibull Distribution and Related Special Functions	JKSA, 20, 1-11	2009
	K.K. Jose and	Generalized Brownian Laplace	Research Lines, 2, 1, 30-36.	2009

LishamolTomy	Processes		
K.K. Jose , M. Ristic, Ancy Joseph	Marshall-Olkin Bivariate Weibull distributions and processes	Statistical Papers, DOI 10.1007/s00362-009-0287-8	2009
K.K. Jose , M. Ristic, Ancy Joseph	A Marshall-Olkin Beta Distribution and its Applications	J. of Probability and Stat. Science, 7,2,173-186.	2009
K.K. Jose , Lishamol T	Geometric Laplace Distributions and Processes	Stochastic Modeling and Applications, 8,1,1-12	2009
K.K. Jose and LishamolTomy	A Unified Frame Work for Gaussian and Non Gaussian AR(1) Modelling	Journal of Probability and Statistical Sciences .8(1),109- 117	2010
K.K. Jose , Uma P, V. Seethalekshmy, H.J. Haubold	Generalized Mittag-Leffler Distributions and Processes for Applications in Astrophysics and Time Series Modelling	D01 10.1007/978-3-642- 03325-4-9, Springer Verlag, 79-92	2010
K.K. Jose and Uma P	Marshal- Olkin generalized Mittag-Leffler distribution and processes	Far East J. Theoretical Stat. 28(2), 189-199	2009
K.K. Jose , P. Uma, J. Sreekumar, LishamolTomy	Math. Modelling of Gene Expression Data	Recent Dev. and Appl. Prob. Theory, Random Proc. and Random Var. in Comp. Sci., 223-232	2009
Jose, K. K. , Uma, P., Jayamol, K.V	Autoregressive models for time series data withzeros.	Recent Innovations in Statistics, University of Kerala, 31-44.	2010
K.K. Jose , Ancy Joseph, Miroslav Ristic	Bivariate Marshall-Olkin Weibull Minification Processes	Statistical Papers,52,789-798.	2011
K.K.Jose , Bindu Abraham	Analysis of DAR(1)/D/s Queue with Quasi-Negative Binomial-II as Marginal Distribution	Applied Mathematics, 2, 1159-1169.	2011
K.K.Jose , Manu Mariam Thomas	Generalized Laplacian Distributions and Autoregressive Processes,	Communications in Statistics- Theory and Methods,40,23,4263-4277.	2011
K.K.Jose and E. Krishna	Marshall-Olkin Asymmetric Laplace Distribution and Processes,	Statistica, anno LXXI,n.4,453-467.	2011
K.K.Jose and Bindu Abraham	Count Models with Mittag-Leffler Waiting Times	Statistica, anno LXXI,n.4,501-514.	2011
K.K. Jose and Lishamol Tomy	Geometric Normal Laplace distributions and processes,	Journal of Applied Statistical Sciences,18,3,153-160	2011
K.K.Jose and Jane A. Luke	Confidence Intervals for Process Capability Indices for the unbalanced one-way random effect ANOVA model	Quality Reliability Engineering International, 28, 371-375.	2012
K.K. Jose and Lishamol Tomy	An AR(1) Time Series Model with skew-Laplace III Marginals	Journal of Statistical Theory and Applications,9,3,417-426	2011
K.K. Jose and Rani Sebastian	Marshall-Olkin Gumbel distributions and applications in reliability modeling and stress-	J. Statistical Applications,5,32-49.	2011

	strength analysis		
K.K.Jose and E.Krishna	Marshall-Olkin Extended Uniform Distribution	Probst Forum e-Journal,4, 78-88.	2011
K.K.Jose	Science, Mathematics and Interdisciplinary Research	Science and Society Journal,10,12-22.	2011
K.K.Jose and Jane A. Luke	Comparing two Process Capability Indices under balanced one-way random effect model	Quality Reliability Engineering International, 29, 165–172.	2013
K.K.Jose and Jane A. Luke	On Confidence Intervals for Process Capability Indices for balanced one-way ANOVA model	Communications in Statistics-Computation and Simulation, 41, 10, 1805-1815.	2012
K.K.Jose and K.D.Mariyamma	Integer valued autoregressive processes with generalized discrete Mittag-Leffler marginals	Statistica, anno LXXII, n.2,195-209	2012
K.K.Jose and Manu Mariam Thomas	A Product Autoregressive Model with Log-Laplace Marginal Distribution	Statistica, anno LXXII, n.3, 312-327	2012
K.K.Jose and K.D.Mariyamma	Discrete Stable-Linnik Distribution and Processes	J. Statistical Applications, 6, 22-37.	2012
K.K.Jose and K.D.Mariyamma	Geometric Compounding of Discrete semi-Mittag-Leffler Distributions and Processes	Vistas,1,71-80.	2012
K. K. Jose and K.D.Mariyamma	On Discrete Laplace Distribution, Shannon Entropy and Integer-Valued Autoregressive Processes	Cyber Security,46-56.	2012
K.K.Jose and Bindu Abraham	Queueing Models for ATM Network Subjected to the Effects of Viruses	Cyber Security,21-39	2012
K.K.Jose , E.Krishna and M.I.Ristic	Applications of Marshall-Olkin Frechet Distributions	Communications in Stat.-Computation and Simulation,42,76-89.	2013
K.K.Jose and Bindu Abraham	A Counting Process with Gumbel Inter-arrival Times for Modeling Climate Data	Journal of Environmental Stat., 4, 5	2013
K.K.Jose , M.I.Ristic, T. Alice and E. Krishna	Marshall-Olkin Frechet Distributions	Communications in Statistics-Theory and Methods, 42, 4091–4107.	2013
K.K. Jose and Rani Sebastian	Gumbel distributions : Generalizations and Applications,	J. Probability and Stat. Sciences,11(1),17-30.	2013
K.K.Jose and Bindu Abraham	DAR(1)/D/s Queue with Discrete Mittag-Leffler as marginal distribution	Statistica, anno LXXIII,n1	2013
K.K.Jose and K.D.Mariyamma	Time Series Models with Discrete Poisson-Laplace Marginals.	J. Mathematics and System Science,3, 3.	2013
K.K.Jose and K.D.Mariyamma	A note on an integer valued time series model with Poisson-negative binomial marginal distribution	Communications in Statistics-Theory and Methods. in press	2014
K.K.Jose and Jane A. Luke	Comparison between two Process Capability Indices using	Int. Journal of Advanced Manufacturing	2013

	generalized confidence intervals	Technology.DOI 10.1007/s00170-013-5244-y	
K.K.Jose and Manu Mariam Thomas	Multivariate Normal-Laplace Distribution and Processes	Statistica, anno LXXIV, in press.	2014
K.K. Jose and Rani Sebastian	Marshall–Olkin Morgenstern– Weibull distribution: Generalizations and applications,	J. Eco. Quality Control, 28,2,105-116.	2013
K.K. Jose and Manu Mariam Thomas	Multivariate Laplace processes.	J. Prob. Stat. Sciences (in press).	2014
K.K.Jose and K.D.Mariyamma	Katz family of Distributions and Processes,	Prob. Stat. Sciences, 12 (1), 43-52,	2014
K.M. Kurian, Sebastian George	Generalized Confidence Intervals for Process Capability Indices in the One-way Random Model	Metrika. 67, 1, 83-92	2008
Seemon Thomas, Alex Thannippara	Distribution of the Λ -criterion for sphericity test and its connection to a generalized Dirichlet model	Communications in Statistics – Simulation and Computation, 37, 1384-1394.	2008
D.K. Ghosh, Alex Thannippara , O.C. Joseph	A New class of E-optimal Regular Graph Designs	UtilitasMathematica, 76, 249- 263.	2008
A. Thannippara , O.C. Joseph, D.K. Ghosh, S.C. Bagui, S. Mandal	E-optimal group divisible designs	Journal of Statistical Studies, 27, 51-56	2008
D.K. Ghosh, Alex Thannippara , O.C. Joseph	A New class of E-optimal Regular Graph Designs	UtilitasMathematica, 76, 249- 263.	2008
Seemon Thomas, Thannippara, A.	Majorization and Applications to Block Designs	UtilitasMathematica 79, 59- 70.	2009
A. Thannippara , Sreejith V, S.C. Bagui, D.K.Ghosh	A new Method of Construction of E-optimal Generalized Group Divisible Designs	Journal of Scientific Research. 1(1), 38-42.	2009
D.K. Ghosh, Alex Thannippara , O.C. Joseph, S.C. Bagui	E-optimal Semi-Regular Graph Designs and Partially Efficiency Balanced designs.	J. Statistical Theory and Applications. 11(1), 47-61.	2011
Sebastian George Dais George	Analysing Tail Heaviness of Web Server Data	Int. Journal of Web Applications 1, 204-217.	2009
Bindu P., Sebastian George , Kanan V M	Statistical Techniques for Microarray Technology	J. Informatics and Math. Sci. 3(3), 257-275.	2011
Dais George, Sebastian George	Applications of Esscher Transformed Laplace Distribution in Web Server Data	J. Digital Inf. Management, 9(1), 19-26.	2011
Sebastian George Dais George	Esscher Transformed Laplace Distribution and Its Applications	J. Prob. and Stat. Sci.10 (2), 135-152.	2012
Dais George, Sebastian George , Pit Pichappen	Application of Generalized Confidence Interval in the Study of Web Server Performance.	International Journal of Web Application. 3(2), 138-151.	2011
Dais George,	Marshall-OlkinEsscher	Brazilian Journal of	2013

	Sebastian George	Transformed Laplace Distributions and Its Applns.	Probability and Statistics, 27(2), 162-184.	
	Bindu P., SangitaKulathinal, Sebastian George	Asymmetric type II compound Laplace distribution and its application to microarraygene expression	Computational Statistics and Data Analysis, 56, 1396-1404.	2012
	Bindu P, Sebastian George	A New family of skew Slash logistic distributions	J. Applied Statistical Sciences, 19(3), 9-16	2012
	Seemon Thomas, Thannippara, A, Mathai, A.M.	On a matrix-variate generalized type-2 Dirichlet model	Adv. and Appl. in Statistics, 8(1), 37-56	2008
	Seemon Thomas, Thannippara, A. and Mathai, A.M	On a matrix-variate generalized type-1 Dirichlet model,	J. Probability and Statistical Science, 6(2), 187-200.	2008
	Seemon Thomas, Mathai A.M	p-content of a p-parellotope and its connection to likelihood ratio statistic	Sankhya Series A Part-1	2009
	Seemon Thomas & Alex Thannippara	Distribution of the L.R criterion Up,m,n as a marginal distribution of a generalized Dirichlet Model	Statistica LXVII(3-4), 375-390	2008
	Seemon Thomas, A.M.Mathai and H.J.Haubold	An entropic pathway to multivariate Gaussian density,	Mathematica Aeterna 2(1), 51-61.	2012
20	Areas of consultancy and income generated			
	Programme		Time Period	Income Generated
	Coconut Survey in Kottayam District		2013, 2014	150,000
	Homeo Project- Jyothirgamaya		2012, 2013	25,000
	Data Analysis of Ph.D students		2008-2014	160,000
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards			
	Faculty	Membership		
	Dr K.K.Jose	1. Life Member, Indian Society for Probability and Statistics. 2. Life Member, Society for Statistics, Computer and Applications 3. Life member, Kerala Statistical Association 4. Elected Fellow of the Royal Statistical Society, UK 5. Elected Member, International Statistical Institute, Netherlands 6. Life Member, Indian Society for Medical Statistics 7. Life Member, Indian Statistical Association 8. Member, Bernoulli Society for Probability and Mathematical Statistics 9. Member, Institute of Mathematical Statistics, U.S.A.		
	Dr Joy Jacob	1. Indian Society for Probability and Statistics. 2. Society for Statistics, Computer and Applications 3. Life member of Kerala Statistical Association		
	Dr K.M.Kurian	1. Indian Society for Probability and Statistics. 2. Society for Statistics, Computer and Applications 3. Life member of Kerala Statistical Association		

	Dr Alex Thannippara	1. Indian Society for Probability and Statistics. 2. Society for Statistics, Computer and Applications 3. Life member of Kerala Statistical Association					
	Dr Sebastian George	1. Indian Society for Probability and Statistics. 2. Society for Statistics, Computer and Applications 3. Life member of Kerala Statistical Association					
	Dr Benny Kurian	1. Indian Society for Probability and Statistics. 2. Society for Statistics, Computer and Applications 3. Life member of Kerala Statistical Association					
	Dr Seemon Thomas	1. Indian Society for Probability and Statistics. 2. Life member of Kerala Statistical Association					
22	Student Projects (a) Percentage of students who have done in-house projects including inter-departmental programme (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies						
	M.Sc Statistics						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	100	100	100	100	100	100
	(b)	--	--	--	--	--	--
23	Awards/ recognitions received by faculty and students						
	Year	Name	Student/ Faculty	Recognition/ Award	Awarded by		
	2011	Rani Sebastian	Student	M.N Gopalan award	Indian Society for Probability and Statistics		
	2012	Dr. K.K Jose	Faculty	P.V. Sukatme award	Indian Society for Medical Statistics		
	2010	Rowther Shamna Safar	Student	2 nd Prize in the on the spot essay competition	Ministry of Statistics, New Delhi		
	2012	Neethimol Kurian	Student	3 rd Prize in the on the spot essay competition	Ministry of Statistics, New Delhi		
24	List of eminent academicians and scientists/ visitors to the department.						
	Name	Position		Occasion/ Purpose		Date	
	Dr Bovas Abraham	Professor, University of Waterloo		Interaction with Post graduate students		3-5/1/ 2011	
	Dr. P.K. Sen	Professor, Biostatistics, Maryland University, U.S.A		International Conference		3-5/1/ 2011	
	Dr. R. N. Rattihalli	Professor, Jaipur University		Interaction with Post graduate students		3-5/1/ 2011	
	Dr. Srikanth Bangdiwala	University of North Carolina, USA		International Conference		16-18/8/ 2012	
	Dr. Prema Menez	University of North Carolina, USA		International Conference		16-18/8/ 2012	

	Dr. A L. Gould	Biostatistician, Merck Research Laboratories, U.S.A	Interaction with Post graduate students	16-18/8/ 2012	
	Dr Jeyaseelan L	Head, Dept. of Biostatistics, CMC Vellore.	Interaction with Post graduate students	16-18/8/ 2012	
	Dr. K.R. Sundaram,	Professor of Biostatistics, Amrita Institute of Medical Sciences, Kochi	Interaction with Post graduate students	16-18/8/ 2012	
	Dr. Anil C. Mathew,	Professor of Biostatistics, PSG Institute of MedicalSciences, Coimbatore.	Interaction with Post graduate students	16-18 August 2012	
	Gijo E.V,	Statistical Quality Control Unit, ISI Bangalore	National Seminar	26-28/3/ 2011	
	Dr. T.V. Ramanathan	Dept of Statistics, Pune University	National Seminar	26-28/3/ 2011	
	Dr. Vijay Nair	Vice-President of the International Statistical Institute	International Seminar	26-28/3/ 2011	
	Dr. Anil Gore	Statistical Consultant, Pune	National Seminar	26-28/3/ 2011	
	S.R. Deshmukh	Pune University	National Seminar	June 26-30 2009	
	S.K. Upadhayay	Benarus Hindu University	National Seminar	June 26-30 2009	
	Dr. Uma Padmini	Tata Consultancy Services, Mumbai.	Interaction with Post graduate students	31/7/ 08 -2/8/ 08	
	Prof.B.V. Rao	Chennai Mathematical Institute	National Seminar	15-16/3/ 2013	
	Professor M.B.Rajarshi	Dept of Statistics, University of Pune. (Retd.)	National Seminar	15-16/3/ 2013	
	Professor R.Vasudeva	Dept. of Statistics, University of Mysore.	National Seminar	15-16/3/ 2013	
	B. Rajeev	ISI, Bangalore.	National Seminar	15-16/3/ 2013	
	J.D. Kalbfleisch	Department of Biostatistics School of Public Health 1415 Washington Heights University of Michigan Ann Arbor, MI48109	International Seminar	3-5/1/ 2011	
	Guido Knapp	TU Dortmund University, Dortmund, Germany	International Seminar	3-5/1/ 2011	
	Francoise Seillier-Moiseiwitsch	University of the Health Sciences, Bethesda, Maryland, USA.	International Seminar	3-5/1/ 2011	
25	Seminars/Conferences/Workshops organized and the source of funding (a) National				
	National Workshop	Bayesian Statistics and MCMC methods using Open BUGS and R	June 26-30, 2009	UGC	1.25 lakhs

	Seminar	Applications of Biostatistics and Epidemiology in Health Sciences	29-31/10/2009	College	50,000/-	
	National Workshop	Applications of Statistics in Industry, Business and Ecology	26-28/3/2011	IAS Bangalore	1.5 lakhs	
	National Seminar	Statistical Theory and Applications	March 15-16, 2013	DST	1.5 lakhs	
	(b) International					
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received	
	International Conference	Mathematical Sciences	January 3-5, 2011	UGC, DST, CSIR,KSCSTE	5 lakhs	
	International Conference	Epidemiology	16-18/8/2012	UGC, DST, CSIR,MOSPI	6 lakhs	
	International Workshop	Meta -analysis	January 3-5, 2014	UGC, MOSPI, DST, CSIR, ICMRKSCSTE	6 lakhs	
26	Student profile programme/course wise: (a) P.G. Programme					
	Year	Applications received	Selected	Enrolled		Pass %
				Male	Female	
	2008-09	60	15	2	13	100
	2009-10	65	13	--	13	100
	2010-11	63	14	1	13	100
	2011-12	72	14	3	11	100
	2012-13	79	15	2	13	93
	2013-14	83	19	4	15	RA
	(c) Ph.D.					
	Year	Admitted		Awarded	Ongoing	Dropouts
		Male	Female			
	2008-09	1	3	8	3	--
	2009-10	1	2	1	6	--
	2010-11	--	4	--	9	--
	2011-12	1	3	--	13	--
	2012-13	3	6	6	16	--
	2013-14	--	2	2	19	--
27	Diversity of students					
	Year	Name of the Course	% of students From the Same state	% of students from other states	% of students from Abroad	
	2008—09	P.G.	100	--	--	
		Ph.D.	100	--	--	
	2009-10	P.G.	100	--	--	
		Ph.D.	100	--	--	
	2010-11	P.G.	100	--	--	
		Ph.D.	100	--	--	
	2011-12	P.G.	100	--	--	
		Ph.D.	100	--	--	

		Ph.D.	100	--	--			
	2012-13	P.G.	100	--	--			
		Ph.D.	100	--	--			
	2013-14	P.G.	100	--	--			
		Ph.D.	100	--	--			
28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.?- Year NET/ SLET GATE Civil / Defense services							
	2008-09	2	0	0				
	2009-10	2	0	0				
	2010-11	1	0	2				
	2011-12	1	0	0				
	2012-13	0	0	0				
	2013-14	0	0	1				
	29	Student progression against % enrolled						
			2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
U.G. to P.G.		-	-	-	-	-	-	
PG to M.Phil.		2	2	1	0	1	-	
P.G. to Ph.D.		0	1	0	1	0		
Ph.D. to Post-Doctoral		--	--	-	-	-	-	
Employed								
• Campus Selection	10	12	9	10	7	5		
• Other than Campus recruitment	16	11	17	15	13	11		
30	Details of Infrastructural facilities							
	Library	Internet facility for Staff and students	Class rooms with ICT facility			Laboratories		
	College Library University Study Center	Free internet facility for staff and students	Classrooms with LCD projector and Interactive writing board			Two computer labs		
31	Number of students receiving financial assistance from college, university, government or other agencies.							
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	Central Sector Scholarship	1	--	1	1	--	--	
	Kerala State Suvarna Jubilee Merit Scholarship	--	--	--	1	--	--	
	Post Metric Scholarship	2	4	2	5	6	4	
	UGC Merit Scholarship for Rank Holders	1	--	2	--	--	--	

	• Assignments • Test papers • Projects
34	Participation in Institutional Social Responsibility (ISR) and extension activities • Blood donation
35	SWOC analysis of the department and future plans (a) SWOC analysis
	Strength
	• Qualified faculty • Two computer labs with internet facility • Good Library • Good campus and student amenity centre • Talks of international experts • Seminars, Conferences and Workshops • Hostels for students and staff
	Weakness
	• Lagging of university examinations • Uneven distribution of academic duties • Wastage of time due to inefficient semester system • Lack of space for research scholars • Students of poor quality
	Opportunity
	• Fund for research projects and other academic activities. • Payment of salary by the government.
	Challenges
	• Lack of studious students
	(b) Future plans
	• Organize programs at the UG level to popularize the scope of studying Statistics • Undertake research projects having scientific and social relevance • Develop a centre for data analysis and statistical consultancy • Establish collaborations with industries in implementing statistical quality control techniques • Undertake surveys of public and government interest

1	Name of the Department	DEPARTMENT OF PHYSICS					
2	Year of Establishment	1950.					
3	Names of Programmes/ Courses offered	B Sc, M Sc & Ph D in Physics.					
4	Names of Interdisciplinary Courses and the Departments/units involved	Energy and Environmental Studies – Open Course offered to the fifth Semester U.G. students					
5	Annual/semester/choice based credit system (programme wise)	B Sc (CBCSS) M Sc (CSS) Ph D - by Thesis.					
6	Participation of the Department in the Courses offered by other Departments	Various Departments offer the Open Course and our U.G. students opt from them. Also we offer Complementary Courses to U.G. Programmes in Mathematics and Chemistry.					
7	Courses in collaboration with other Universities, industries, foreign institutions	Nil.					
8	Details of courses /programmes discontinued (if any) with reasons.	Nil.					
9	Number of teaching posts:						
	Posts		Sanctioned			Filled	
	Professors		Nil			Nil	
	Associate Professors		4			4	
	Assistant Professors		5			4	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Exper- ience	No. of Ph.D. Students guided for the last 4 years
	1	Michael Augustine	M Sc, Ph D	Asso. Prof	Microwave Electronics	28	Nil
	2	Raju Mathew T.	M Sc, M Phil	Asso. Prof	Astrophysics	28	Nil
	3	Simon Augustine	M Sc, Ph D	Asso. Prof	Materials Science	27	1
	4	Sunny Mathew	M Sc, M Phil, Ph D	Asso. Prof	Materials Science	27	2
	5	Ison V. Vanchipurackal	M Sc, Ph D	Asst. Prof	Materials Science	12	5
	6	Ginson P. Joseph	M. Sc, B Ed, Ph. D.	Asst. Prof	Materials Science	5	6
	7	Libin Kuriakose	M Sc, M Tech	Asst. Prof	Quantum Optics	3	Nil

	8	Augustine J Edakkara	M Sc	Asst. Prof	Materials Science	2	Nil		
	9	(Sr) Ann Mathew	M Sc	Guest Lect.	Quantum Electronics	1	Nil		
11	List of senior visiting faculty				Nil				
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.								
			2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	U.G.	Theory	-	-	-	-	-	10	
		Practical	-	-	-	-	-	10	
	P.G.	Theory	-	-	-	-	-	-	
		Practical	-	-	-	-	-	-	
13	Student-Teacher ratio (programme wise):								
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14		
	U.G. (Core)	18:1	18:1	19:1	21:1	20:1	21:1		
	P.G.(Core)	8:1	8:1	8:1	9:1	9:1	10:1		
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.					Sanctioned - 4 Filled – 4			
15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/M.Phil/ P.G.		Number of faculty members with highest degree						
			Ph.D.		M.Phil.		M. Tech.		M.Sc.
			5		1		1		2
	*Qualification of each faculty is given in item No.10 above.								
16	Number of faculty with ongoing projects from (a) National (b) International funding agencies and the grants received.								
	(a) National								
	Faculty	Title of Project			Major/Minor	Durati-on	Agency	Grant Recei-ved	
	Dr. Ison V. Vanchipurackal	Investigating Photo induced charge transfer between semiconductor nanocrystals and polymers for photovoltaic applications			Minor	1.5 Yrs	UGC 2012	0.87 Lakhs	
	Prof. Antony Simon	Monte Carlo Simulation of Cell Migration			Minor	1.5 Yrs	UGC 2012	0.7 Lakhs	
	Dr. Ison V. Vanchipurackal	Organic solar cell: optimizing hetero junction morphology			Major	2 Yrs	MIT, Govt. of India. 2012	The expen- diture is fully suppo- rted by the	

						Govt.
Dr. Ison V. Vanchipurackal	Functionalization and colloidal processing of morphology and composition controlled PbX (X=S, Se) nanocrystals and investigating their inter-coupling for quantum dot sensitized solar cells	Major	3 Yrs	DST 2011	18.04 Lakhs	
Dr. Sunny Mathew	Electrical and optical properties of ZnO nanostructured Thin Films for gas sensors	Minor	1.5 Yrs	UGC 2011	0.85 Lakhs	
Dr. Simon Augustine	Effect of annealing on structural, electrical and optical properties of pure and doped ZnO thin films under different oxygen partial pressures	Minor	1.5 Yrs	UGC 2010	1.65 Lakhs	
Dr. Ginson P. Joseph	Studies on the Electrical, thermal and non-linear optical properties of Metal substituted and swift heavy ion irradiated organometallic photonic Crystals.	Major	3 Yrs	DST 2010	20 Lakhs	
Dr. Ison V. Vanchipurackal	Swift heavy ion induced intermixing of CdTe/CdS bilayers for solar photovoltaic applications.	Minor	1.5 Yrs	UGC 2009	0.35 Lakhs	
Prof. Raju Mathew T	Preparation of electrical Characterization of ZnO nanostructure thin films by two step chemical bath deposition technique	Minor	1.5 Yrs	UGC 2009	0.35 Lakhs	
Dr. Michael Augustine	Simulation of wave propagation in magnetically tunable nonlinear waveguide structures containing ferrite films	Minor	1.5 Yrs	UGC 2009	0.45 Lakhs	
Dr. Ginson P Joseph	Studies of the Physico-Chemical Properties of organometallic NLO crystals for photonics device fabrication	Minor	1.5 Yrs	UGC 2009	1.15 Lakhs	
Dr. Vincent Mathew	Study of electromagnetic fields and propagation in ferroelectric and multiferroic waveguide structures	Major	3 Yrs	UGC 2009	7.508 Lakhs	
Dr. Vincent Mathew	Analysis and simulation of plasmonic waveguide structures for subwavelength applications	Major	3 Yrs	DST 2009	19.02 Lakhs	

	Dr. Vincent Mathew	On wave propagation in superconducting multilayers and waveguide structures	Major	3 Yrs	KSCST E 2008	3.975 Lakhs
	Dr. Sunny Mathew	Preparation and characterization of plasma polymerized aniline thin films	Minor	1.5 Yrs	UGC 2007	0.8 Lakhs
	Dr. Vincent Mathew	Quantum mechanical modeling of nanoscale mosfets using Green's function method	Minor	1.5 Yrs	UGC 2007	0.8 Lakhs
	(b) International - Nil.					
17	Dept. projects funded by DST-FIST, UGC, DBT, ICSSR, KSCSTE etc. and total grants received.					
	Title of Project	Coordinator	Duration	Agency	Grant Received	
	Selective Augment of Research and Development (SARD).	Dr. Sunny Mathew	3 Yrs	KSCSTE	19.75 Lakhs	
18	Research Centre/facility recognized by the University:					
	Department of Physics is an approved research centre of the Mahatma Gandhi University since 2000.					
	Research details					
	Name of Faculty		Number of students		Research area	
	Dr. Sunny Mathew		1		Materials Science.	
	Dr. Simon Augustine		1		Materials Science.	
	Dr. Vincent Mathew		9		Quantum electronics.	
	Dr. Ison V. Vanchipurackal		3		Nanostructures and solar cells.	
	Dr. Ginson P. Joseph		6		Crystal growth and nanocomposites.	
19	Publications: (a) Books/ Monographs					
	Faculty	Title of Books/ Monographs Authored /Edited		Publisher, Year and ISBN		
	Dr. Ison V. Vanchipurackal	Condensed Matter Physics		Lilly Publising House, Changanacherry, 2013. 978-81-922911-5-4		
	Dr. Ison V. Vanchipurackal	Classical and Quantum Mechanics		Lilly Publising House, Changanacherry, 2012. 978-81-922911-7-8		
	Dr. Ison V. Vanchipurackal	Mechanics, Thermal Physics and Spectroscopy		Vishal Publishing Company, Jalandhar, 2005 81-88646-16-4		
	Dr. Ison V. Vanchipurackal	Condensed matter Physics, Nuclear Physics and Quantum theory		Lilly Publishing House, Changanacherry.		
	Dr. Ison V. Vanchipurackal	Complementary Physics for Mathematics and Chemistry		Lilly Publishing House, Changanacherry.		

(b) Journal Papers: Total International Publications -35			
Authors	Title	Journal Details	Year
Ajith Thomas, Anju Elsa Tom, Arun D. Rao, Arul Varman K., R. Vinayakan, P. C. Ramamurthy, V.V. Ison	Solvent polarity and nanoscale morphology in bulk heterojunction organic solar cells: a case study	J. Appl. Phys. 115 pp 104302.	2014
Seena Mathew, Ajith R, Vincent Mathew	Propagation characteristics of superconducting slot line based on ferro-electric substrates	J. Supercond. Nov. Magn. . 26, pp2899.	2013
AnjuBabu, C. Bhagyaraj, Jesly Jacob, G. Mathew, Vincent Mathew	Surface plasmon propagation in a metal-strip waveguide with biaxial substrate	Opt. Quant. Electron 45, pp481.	2013
Seena Mathew, Ajith R, and Vincent Mathew	Tunable wave propagation in superconducting microstrip line based on ferro-electric thin films	J Supercond Nov Magn. 26, pp565.	2013
Jesly Jacob, Ajith R, P. Arun, Vincent Mathew	Surface plasmon near field effects in silver nano cylinders arranged in triangular geometry	Journal of Computational and Theoretical Nanoscience 10,pp1-7	2013
Anju Babu, C. Bhagyaraj, R. Ajith, Vincent Mathew	Dispersion characteristics of guided plasmonic modes in metallic slot waveguides using the method of lines	J. Computational and theoretical nanoscience, 10, pp1-6.	2013
Jolly Andrews Vincent Mathew	Magnetic field induced properties of type II superconducting microstrip resonators	Superconductor Science and Technology 25, pp025004	2012
Gishamol Mathew Vincent Mathew	Tunable surface plasmonpolaritons in metal-strip waveguides with magnetized semiconductor substrates in Voigt configuration	Semicond. Sci. Technol. 27, pp055010	2012
Ajith R, Vincent Mathew	Dispersion and field distribution of SPP waves at the interface of a metal and nonlinear magnetic material	Plasmonics, Vol1,pp1.	2012
Gishamol Mathew, Bhagyaraj C, AnjuBabu, Vincent Mathew	Effect of Gyrotropic Substrates on the Surface Plasmon Polaritons Guided by Metal Films of Finite Width	Journal of Lightwave Technology, Vol. 30, No. 2.	2012
A. Simon , S.V.M Satyanarayana	Steady state dynamics of a moving model cell	J. Phys.: Condens. Matter 24 pp065104	2012
Sreekanth G, S.Chandralingam, Jacob Philip, Jayalashmi, Regi Philip, Kishore Sreedaran, Santhosh Kumar, Ginson P.Joseph	Investigations on the electrical, thermal and optical properties of the nonlinear optical Allyl Thiourea Mercurychloride single crystals.	Materials Research Bulletin 47,12, pp4043-4047.	2012
S. Kumar R., S. Chandralingam,	The influence of Cd ²⁺ and Mg ²⁺ on	Phys. Status	2011

S.George, Sreekanth G, M. Augustine, Ginson P. Joseph	the electrical and thermal properties of manganese mercury thiocyanate crystals and its Lewis base adducts-future materials for photonics device fabrication	Solidi C 8, No. 9, pp2735–2738	
Jolly Andrews a, Vincent Mathew	Numerical study of vortex effects in superconducting microstrip lines	Physica C 471, pp338–343	2011
Jesly Jacob, Ajith R, Vincent Mathew	Surface plasmon near-field resonance characteristics of silver shell nanocylinders arranged in triangular geometry	Applied Optics / Vol. 50, No. 33, pp6278	2011
AnjuBabu, C Bhagyaraj, Gishamol Mathew, Vincent Mathew	Dispersion of plasmon polaritons guided by a metal film of finite width deposited on a uniaxial substrate	J. Phys. D: Appl. Phys. 44 pp335301	2011
K. Kumar, P. Arun, C.R.Kant, N.C. Mehra, Vincent Mathew	The effect of cesium metal clusters on the optical properties of cesium iodide thin films	Applied Physics A, 99, pp 305	2010
Saji Joseph George James T Vincent Mathew	Threshold Voltage Control through Layer Doping of Double Gate MOSFETs	Journal of Semiconductor Technology and Science pp. 240-250, Vol.10, No.3.	2010
George James, Saji Joseph, Vincent Mathew	Simulation of high-k dielectrics in counter doped double gate metal oxide semiconductor field effect transistors	Journal of Nanoelectronics and Optoelectronics, Vol. 5, pp1-7.	2010
George James T, Saji Joseph, Vincent Mathew	Effect of Counter-doping Thickness on Double-gate MOSFET Characteristics	J. Semiconductor Technology And Science, Vol.10, No.2	2010
George James T, Saji Joseph, Vincent Mathew	The Influence of Metal Gate Work Function on Short Channel Effects in Atomic-layer Doped DG MOSFETs	Journal of Electron Devices, Vol. 8, pp. 310-319	2010
V.V. Ison , A. RangaRao, V. Dutta, P.K. Kulriya, D.K. Avasthi, S.K. Tripathi	Swift heavy ion induced structural changes in CdS thin films possessing different microstructures: a comparative study	J. Appl. Phys. 106, pp023508	2009
V.V. Ison , A. RangaRao, V. Dutta	Characterization of spray deposited CdTe films grown under different ambient conditions	Solid State Sciences 11, pp2003	2009
V.V. Ison , A. RangaRao, V. Dutta, P.K. Kulriya, D.K. Avasthi	Swift heavy ion induced phase transition in CdTe films deposited by spray pyrolysis in presence of electric field	Nucl. Instrum. and Methods. B 267, pp2480.	2009
V.V. Ison , A. RangaRao, V. Dutta	Stabilization of hexagonal phase in spray deposited CdTe films by the presence of electric field	Sol. Energy Mater. Sol. Cells 93, pp1507.	2009

Ginson P. Joseph , Jacob Philip, N. Melikechi, J. Madhavan, P. Sagayaraj	Studies on the electrical, linear and non-linear optical properties of manganese mercury thiocyanate bis dimethyl sulfoxide an efficient NLO crystal	Physica B: Condensed Matter 404: pp295-299.	2009
P Sagayaraj and Ginson P. Joseph	Investigations on the physicochemical properties of thiocyanate and allylthiourea complex crystals for blue-violet laser light generation	Journal of Materials Science : Materials in Electronics 20: pp390-394.	2009
Ginson P. Joseph , S. Senthil, S. Pari, , P. Sagayaraj, J. Madhavan	Thermal, mechanical, electrical, linear and nonlinear optical properties of a Nonlinear Optical L-Ornithine monohydrochloride single crystal,	Physica B: Condensed Matter 404: pp2336-2339	2009
Michael Augustine, Sunny Mathew, Vincent Mathew	Tunable wave propagation in linear ferrite film bound by Kerr type media	AEU International Journal of Electronics and Communications, 63, 2009, pp338-342.	2009
Gishamol Mathew, Anju Babu, Jesly Jacob , Vincent Mathew	Magneto optic phase shift in plasmon propagation along garnet/semiconductor on insulator structures	Superlattices and Microstructures, Vol. 44 pp 203-207.	2008
Jesly Jacob, Anju Babu, Gishamol Mathew, Vincent Mathew	Propagation of surface plasmon polaritons in anisotropic MIM and IMI structures	Superlattices and Microstructures, 44 pp282-290.	2008
G. Nyitray, Vincent Mathew , S. V. Kukhlevsky	Generation and Interference collapse of distortionless pulses in free space by Fresnel Sources	Optics Communications, Vol. 281, 5, pp1082-1086.	2008
Michael Augustine, Sunny Mathew, Vincent Mathew	Analysis of dispersion in Ferrite/Superconducting layered structures	International Journal of Infrared and Millimeter Waves (Springer), Vol. 29, No. 5, pp. 534-544.	2008
M. Augustine, Vincent Mathew, Sunny Mathew , Roji Pius	Nonlinear Wave Propagation in Ferroelectric/Ferrite Interface	Indian Journal of Engineering and Material Science, vol. 15, pp. 211-214.	2008
V.V. Ison , A. Ranga Rao, V. Dutta, P.K. Kulriya, D.K. Avasthi, S. K. Tripathi	On the role of microstructure in determining the energy relaxation processes of swift heavy ions in CdTe	J. Phys. D: Appl. Phys. 41, pp105113	2008

		thin films					
20	Areas of consultancy and income generated: Nil						
	Programme			Time Period		Income Generated	
	Guidance/Consultancy for M.Sc. project for students from other colleges.			2012 - 2014		Rs.75,000/-	
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards						
	Faculty		Membership			Year	
	Dr. Ison V. Vanchipurackal		Editor of Sastrapadham, a science magazine for the young.			2008 onwards.	
22	Student Projects						
	(a) Percentage of students who have done in-house projects including inter-departmental programme						
	(b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies						
	(i) U.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	--	--	--	100	100	100
	(b)	-	-	-	-	-	6
	(ii) P.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	100	100	100	100	100	100
(b)	-	-	6	-	-	-	
23	Awards/ recognitions received by faculty and students						
	Year	Name	Student/ Faculty	Recognition/ Award		Awarded by	
	2013	Vishnu Pran Sreeram PR	Student	State level quiz competition (I prize)		Baselius College Kottayam.	
	2013	Sovin Thomas K.	Student	State level debate competition (I prize)		Govt. Law College Ernakulam.	
	2013	Aromal P	Student	State level poster designing competition (II prize)		SH College Thevara.	
	2013	Sovin Thomas K.	Student	State level debate competition (I prize)		Marian College Kuttikkana m.	
	2013	Sovin Thomas K.	Student	State level debate competition (II prize)		Rotary Club	

					Kottayam.
	2013	Sovin Thomas K.	Student	State level debate competition (II prize)	SB College Changanassery.
	2013	Arun James Abhijith Lal John Savio Jose	Student	State level working model competition (II prize)	SH College Thevara.
	2013	Sovin Thomas K.	Student	State level debate competition (II prize)	St George College Aruvithura.
	2013	Sovin Thomas K.	Student	State level debate competition (I prize)	Alphonsa College Pala.
	2013	George Mathew Dinil Bose	Student	State level quiz competition (II prize)	UC College Aluva.
	2013	George Mathew Dinil Bose	Student	State level quiz competition (III prize)	St Stephens College Uzhavoor.
	2013	Sovin Thomas K.	Student	State level elocution competition (III prize)	SD College Kanjirappally.
	2013	Sovin Thomas K.	Student	State level elocution competition (II prize)	Co-Operative Society Govt. of Kerala.
	2013	Sovin Thomas K.	Student	State level elocution competition (III prize)	Chavara Cultural Centre, Ernakulam.
	2012	Dr. Ison V. Vanchipurackal	Faculty	Summer Research Fellowship	Indian Academy of Sciences, Bangalore.
	2012	Tomin K James Emmanuel Tom	Student	State level quiz competition (I prize)	SB College Changanassery.
	2012	Tomin K James Emmanuel Tom	Student	State level quiz competition (I prize)	Assumption College Changanassery.
	2012	Tomin K James Emmanuel Tom	Student	State level quiz competition (I prize)	St Stephens College Uzhavoor.
	2012	Tomin K James	Student	State level quiz	CMS

		Emmanuel Tom		competition (I prize)	College Kottayam.
	2011	Dr. Ison V. Vanchipurackal	Faculty	Summer Research Fellowship	Indian Academy of Sciences, Bangalore.
	2010	Vishnu Pran Aravind N	Student	State level quiz competition (I prize)	St Stephens College Uzhavoor.
	2010	Vishnu Pran Aravind N	Student	State level quiz competition (I prize)	Assumption College Changanassery.
	2010	Sefy Mathew Aravind N	Student	State level quiz competition (I prize)	Baselius College, Kottayam.
24	List of eminent academicians and scientists/visitors to the department.				
	Name	Position	Occasion/ Purpose	Dates of Visit	
	Prof. V.N. Bhaoraskar	Dept. of Physics Pune University	National workshop on Quantum confined systems and nanoscale devices.	3-5 /12/ 2009	
	Prof. S.V. Bhaoraskar	Dept. of Physics Pune University	National workshop on Quantum confined systems and nanoscale devices.	3-5 /12/ 2009	
	Dr. M.K. Radhakrishna	NanoRel Singapore.	National workshop on Quantum confined systems and nanoscale devices.	3-5 /12/ 2009	
	Dr. A. John Peter	Govt. Arts and Science College Madurai.	National workshop on Quantum confined systems and nanoscale devices.	3-5 /12/ 2009	
	Dr. M. Ramaswamy	Biotech Centre Anna University.	National workshop on Quantum confined systems and nanoscale devices.	3-5 /12/ 2009	
	Dr. G. Gopichandran	University of Kerala	National workshop on Quantum confined systems and nanoscale devices.	3-5 /12/ 2009	
	Dr. Anil Bhardwaj	ISRO Trivandrum	One day workshop on Chandrayan.	2/2/10	
	Prof. Dr. A.M. Narsale	Director, WRIC Mumbai.	Instrumentation maintenance Workshop	21- 25/6/10	
	Prof. R. Shankar	IMS Chennai.	Indian Academy Refresher course	28/2/11 to 13/3/11	
	Prof. Subodh Shenoy	University of Hyderabad,	Indian Academy Refresher	28/2/11	

	Hyderabad.	course	to 13/3/11
Prof. G. Baskaran	IMS Chennai.	Indian Academy Refresher course	28/2/11 to 13/3/11
Prof. Srikanth Sastry	JNCASR Bangalore.	Indian Academy Refresher course	28/2/11 to 13/3/11
Prof. Vijay Shenoy	IISc Bangalore	Indian Academy Refresher course	28/2/11 to 13/3/11
Prof. V. Venkataraman	IISc Bangalore	Indian Academy Refresher course	28/2/11 to 13/3/11
Prof. Gautam Menon	IMS Chennai.	Indian Academy Refresher course	28/2/11 to 13/3/11
Dr. B. P. Ajithkumar	IUAC New Delhi.	IUAC Acquaintance programme	12 - 13/12/ 2011
Dr. Subhendu Ghosh	IUAC New Delhi.	IUAC Acquaintance programme	12 - 13/12/ 2011
Prof. C.N.R. Rao	JNCASR, Bangalore.	International Conference	10- 14/6/12
Prof. Norbert Kroo	Academy of Sciences, Hungary.	International Conference	10- 14/6/12
Dr. O. Mondain- Monval	CNRS, France.	International Conference	10- 14/6/12
Dr. Pivin Claud Jean	CSNSM, Orsay, France.	Interaction with research students.	19-26/6/ 12
Dr. Michael Hietschold	Chemnitz University of Technology Germany.	International Conference	10- 14/6/12
Professor Mukunda P. Das	National University, Australia.	International Conference	10- 14/6/12
Dr. Christian von Borzyskowski	Chemnitz Chemnitz University of Technology Germany.	International Conference	10- 14/6/12
Dr. Alessandro De Vita	King's College London, London, UK.	International Conference	10- 14/6/12
Dr. Yoav D. Livney	Israel Institute of Technology.	International Conference	10- 14/6/12
Dr. Maria Farsari	IESL-FORTH, Greece.	International Conference	10- 14/6/12
Prof. Uwe	University Duisburg-	International Conference	10-

Bovensiepen	Germany.		14/6/12
Prof. Norlida Kamarulzaman	Universiti Teknologi Malaysia.	International Conference	10-14/6/12
Prof. Ajayan Vinu	The University of Queensland, Brisbane, Australia.	International Conference	10-14/6/12
Dr. Xiang Yang Liu	National University of Singapore.	International Conference	10-14/6/12
Dr. M. Y. Udugala-Ganehenege	University of Peradeniya, Sri Lanka.	International Conference	10-14/6/12
D. Qing Zhang	Nanyang Technological University, Singapore.	International Conference	10-14/6/12
Dr. David Grosso	Collège de France, Paris.	International Conference	10-14/6/12
Dr. A. Pradel	Université Montpellier 2, France.	International Conference	10-14/6/12
Dr. Ting YU	Nanyang Technological University, Singapore.	International Conference	10-14/6/12
Dr. Dinesh Kabra	University of Cambridge.	International Conference	10-14/6/12
Dr. A. V. Zayats	King's College London, UK.	International Conference	10-14/6/12
Dr. Y. P. Feng	National University of Singapore.	International Conference	10-14/6/12
Dr. Motoaki Matsuo	Tohoku University, Japan.	International Conference	10-14/6/12
Dr. Jack Ng	Hong Kong University of Science and Technology.	International Conference	10-14/6/12
Dr. Jacqueline M. Cole	Cavendish Laboratory, University of Cambridge.	International Conference	10-14/6/12
Dr. Yehuda Eyal	Israel Institute of Technology, Israel.	International Conference	10-14/6/12
Dr. G. Subodh	Kyoto University, Japan.	International Conference	10-14/6/12
Dr. Shun Hirota	Nara Institute of Science and Technology, Japan.	International Conference	10-14/6/12
Dr. Radhakrishna Prabhu Deas	Robert Gordon University, UK.	International Conference	10-14/6/12
Dr. Harald Graaf	Chemnitz University of Technology, Germany.	International Conference	10-14/6/12
Dr. Shahrom Mahmud	Universiti Sains Malaysia, Malaysia.	International Conference	10-14/6/12
Dr. J.V. Yakhmi	BARC, Mumbai.	International Conference	10-14/6/12
Dr. John Philip	IGCAR, Kalpakkam	International Conference	10-

				14/6/12
	Prof. S. S. Major	IIT, Mumbai.	International Conference	10-14/6/12
	Dr. D. Narayana Rao	University of Hyderabad, Hyderabad.	International Conference	10-14/6/12
	Dr. Jacob Philip	CUSAT, Cochin.	International Conference	10-14/6/12
	M C Valsakumar	IGCAR, Kalpakkam.	International Conference	10-14/6/12
	Dr. K. V. Adarsh	IISER, Bhopal.	International Conference	10-14/6/12
	Dr. Reji John	NPOL, Kochi.	International Conference	10-14/6/12
	Dr. M.D. Mathew	IGCAR, Kalpakkam.	International Conference	10-14/6/12
	Prof. Raj K Thareja	IIT, Kanpur.	International Conference	10-14/6/12
	Dr. Debdatta Ratna	Naval Materials Research Laboratory, Maharashtra	International Conference	10-14/6/12
	Dr. P. A. Hassan	BARC Mumbai.	International Conference	10-14/6/12
	Dr. G. Bhagavannarayana	NPL, New Delhi.	International Conference	10-14/6/12
	Prof. Alok Sharan	Pondicherry University.	International Conference	10-14/6/12
	Dr. M. R. Suresh	VSSC, Thiruvananthapuram.	International Conference	10-14/6/12
	Dr. Pramod Bhatt	BARC Mumbai.	International Conference	10-14/6/12
	Dr. Sudeep Bhattacharjee	IIT, Kanpur.	International Conference	10-14/6/12
	Dr. K. K. Nanda	IISc, Bangalore.	International Conference	10-14/6/12
	Dr. S. Pahari	BARC Visakhapatnam.	International Conference	10-14/6/12
	Dr. Sarat K. Swain	Veer Surendra Sai University of Technology, Odisha.	International Conference	10-14/6/12
	Dr. V. P. S. Awana	National Physical Laboratory, New Delhi.	International Conference	10-14/6/12
25	Seminars/Conferences/Workshops organized and the source of funding			
	(a) National			
	Programme	Topic/ Area	Dates	Funding Agency
				Amount

					Received
	National Workshop.	Quantum confined systems and nanoscale devices.	3-5 December 2009	DST CSIR KSCSTE	100000
	Regional workshop.	Indian Lunar Mission- Chandrayan -1.	2 February 2010	College funding	5000
	GMW of DST.	Physical & Math. Sciences	19,20 March 2010	DST	8 Lakhs
	College level workshop.	Ozone layer depletion.	23 September 2010	KSCSTE	10000
	State level five day workshop.	Electronic equipment maintenance.	21-25 June 2010	WRIC and KSCSTE	10000
	14 days refresher course.	Condensed matter physics and statistical mechanics.	28 February 13 March 2011	Indian Science Academies	3.5 Lakhs
	PAC meeting of DST.	Major project evaluation.	2, 3 September 2011	DST	11 Lakhs
	National level Acquaintance programme.	Familiarization workshop.	12 December 2011	Inter University Accelerator Center, New Delhi.	25000
	State level workshop.	Computer interfaced science experiments.	13 December 2011	Inter University Accelerator Center, New Delhi.	5000
	(b) International				
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received
	International conference.	Materials science and technology.	10-14 June 2012.	DST, UGC, CSIR, DRDO, MNRE, INSA, ISRO, KSCSTE, etc.	4.9 Lakhs
26	Student profile programme/course wise:				
	(a) U. G. Programme				
	Year	Applications received	Selected	Enrolled	Pass %
				Male	Female
	2008-09	185	48	48	-
	2009-10	160	48	48	-
	2010-11	120	35	35	-
	2011-12	115	35	35	-

	2012-13	135	32	32	-	94
	2013-14	138	46	46	-	93
	(b)P.G. Programme					
	Year	Applications received	Selected	Enrolled		Pass %
				Male	Female	
	2008-09	265	16	5	11	31
	2009-10	275	16	3	13	100
	2010-11	65	16	4	12	88
	2011-12	71	17	6	11	89
	2012-13	80	18	4	14	88
	2013-14	74	23	10	13	RA
	(c) Ph.D.					
	Year	Admitted		Awarded	Ongoing	Dropouts
		Male	Female			
	2008-09	2	2	1	4	-
	2009-10	-	2	-	6	-
	2010-11	1	-	-	7	-
	2011-12	-	-	-	7	-
	2012-13	3	-	1	9	-
	2013-14	4	1	1	13	-
27	Diversity of students					
	Year	Name of the Course	% of students From the Same state	% of students from other states	% of students from Abroad	
	2008-09	U. G.	100	0	0	
		P.G.	100	0	0	
		Ph.D.	100	0	0	
	2009-10	U.G.	100	0	0	
		P.G.	100	0	0	
		Ph.D.	100	0	0	
	2010-11	U.G.	100	0	0	
		P.G.	100	0	0	
		Ph.D.	100	0	0	
	2011-12	U.G.	100	0	0	
		P.G.	100	0	0	
		Ph.D.	100	0	0	
	2012-13	U.G.	100	0	0	
		P.G.	100	0	0	
		Ph.D.	100	0	0	
	2013-14	U.G.	100	0	0	
		P.G.	100	0	0	
		Ph.D.	100	0	0	

28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.?-						
	Year	NET/ SLET		GATE		Civil / Defense services	
	2008-09	2		2		1	
	2009-10	2		2		-	
	2010-11	1		2		-	
	2011-12	3		2		-	
	2012-13	6		2		1	
	2013-14	1		5		-	
29	Student progression against % enrolled						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	45	30	65	57	62	59
	PG to M.Phil.	6	--	--	5	--	--
	P.G. to Ph.D.	10	9	42	6	6	10
	Ph.D. to Post-Doctoral	15	9	42	6	6	6
	Employed						
	Campus Selection	10	--	15	7	40	--
Other than Campus recruitment	28	30	45	18	10	--	
30	Details of Infrastructural facilities						
	Library	Internet facility for staff and students		Class rooms with ICT facility		Laboratories	
	In addition to the well-equipped college main library, the department has a department library having around 600 books.	The staff room, PG classes, final year UG and all labs are provided Wi-Fi facility.		PG and UG final year class have ICT facility.		Well-equipped and well maintained UG, PG and moderately-equipped research laboratories are there in the department.	
31	Number of students receiving financial assistance from college, university, government or other agencies.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Central Sector Scholarship	1	--	--	--	3	--
	KSHEC Scholarship	--	1	1	1	2	--
	Kerala State Suvarna Jubilee Merit Scholarship	--	--	---	--	16	--
	Post Metric Scholarship	--	1	--		16	--
	Scholarship from College	1	--	2	1	--	1
	Indira Gandhi Scholarship for Single girl child	--	--	--	--	1	1
	Inspire Scholarship	--	1	2	1	1	1

	UGC Scholarship for SC/ST/Minority	1	--	1	--	--	1
	P.J. Thomas Scholarship	--	4	8	6	5	--
	District merit scholarship	--	--	--	1	--	--
	G.U. Merit scholarship	--	--	--	1	--	--
32	Details on student enrichment programmes (special lectures/workshops/seminar) with External experts						
	Programme	Expert				Dates	
	Special lecture on natural disasters.	Prof. K T Damodaran SMS, CUSAT.				12 February 2008.	
	Special lecture on astrophysics	Dr. K M P Jayakumar Indian Institute of Astrophysics, Bangalore.				11 November 2008.	
	Special lecture on new horizons of science.	Prof. K. George Thomas IISER Trivandrum.				5 January 2009.	
	Special lecture on elementary particles, cosmology and unification	Prof. Urjit A. Yajnik IIT Mumbai.				14 August 2009.	
	Special lecture on review of Indian science	Prof. A. Vijayakumar Department of Mathematics, CUSAT, Cochin.				23 February 2010.	
	Special lecture on remote sensing.	Dr. Sajnkumar S, Scientist, Geological survey of India.				17 March 2010.	
	Special lecture on Indian heritage in science.	Prof. V.P.N. Nampoori CUSAT, Cochin.				17 March 2010.	
	Special lecture on non-linear optics.	Prof. Alok Sharan University of Pondicherry.				6 August 2010.	
	Special lecture on nanomaterials.	Prof. Sabu Thomas MG University, Kottayam.				23 February 2011.	
	Special lecture on crystal technology.	Dr. H. C. Gadkari BARC Mumbai.				6 July 2011.	
	Special lecture on 100 years of lasers.	Prof. R S Rastagi Department of Physics, IIT Bombay.				2 August 2011.	
	Special lecture on review of Indian scientists.	Prof. V.N. Rajasekharan Pillai KSCSTE, Thiruvananthapuram.				27 February 2012.	
	Special lecture on Sting Theory Einstein's dream	Mr. Roji Pious Harish Chandra Institute, Allahabad.				5 July 2012.	
	Special lecture on Bose-Einstein condensation.	Mr. Tomin James IISER Pune.				19 July 2013	
	Special Lecture on foundational problems in Quantum mechanics	Rev. Dr. Mathew Chandrankunnel Christ University, Bangalore.				11/9/2013.	
	Special lecture on quantum nature of the nanoworld.	Dr. K. S. Sreelatha Dept. of Physics Govt. College, Kottayam.				11/9/2013.	

33	Teaching methods adopted to improve student learning • Class room teaching method is the main mode of teaching all over India and we too follow it. Lab sessions are integral part of science learning and we do conduct them properly. Active discussions are generated in class rooms and the faculties are keen to keep the class rooms interactive. • Relevant assignments are given to students and are evaluated. Seminars are presented by all the students. During the course period, the students do a project. The faculties always try to inculcate research mentality in the students through projects. • Special lectures by eminent personalities are arranged for the students. The department also organizes seminars/workshops. • To train the students properly, the department has implemented a unique program called SYP (Sharpen Your Physics). In this program, physics books outside the syllabus are distributed and circulated among the students to write reviews on the books so that at the end of the course, they would have read and reviewed at least 100 books. • Solving numerical problems is best way to understand the subject- keeping this fact in mind, problems are given as assignments to the students. A program called PSD (Problem Solving Drive) is implemented for the whole physics students and in this program, students are encouraged to solve a large number of problems in physics and mathematics. • Adequate library facility with enough number of volumes including the latest issues is ensured. For the PG students, library is extended to their class rooms. • Broadband internet facility is made available to the students in the department. Unix based computer training is also given to the students.
34	Participation in Institutional Social Responsibility (ISR) and extension activities By organizing seminars/conferences/workshops, refresher courses, by hosting DST programmes for scientists, by delivering invited talks in various institutions, by conducting quiz competitions in various educational institutions, etc., the department is making efforts to share its knowledge and expertise with others. The following are the major events undertaken by the department. • National Workshop on Quantum Confined Systems and Nanoscale Devices (3-5 December 2009). • One day workshop on “Indian Lunar Mission- Chandrayan-1” (2 February 2010). • Group Monitoring Workshop (GMW) of DST, Govt. of India, on Fast Track Proposals for Young Scientists in Physics & Mathematical Sciences (19, 20 March 2010). • One day workshop on “Ozone layer depletion” (23 September 2010). • Five day workshop on “maintenance of electronic laboratory instruments” for college teachers and technicians in colleges, in collaboration with WRIC Mumbai (21-25 June 2010). About 250 faulty instruments from different colleges were repaired. • Fourteen days Refresher course in condensed matter physics and statistical mechanics, sponsored by the Indian Science Academies (28 February-13 March 2011). • PAC meeting of DST, Govt. of India, for major projects in Physics (2, 3 Sept. 2011). • Acquaintance programme of Inter University Accelerator Center (IUAC), New Delhi (12 December 2011). • One day workshop on “Computer Aided Physics Experiments” for college teachers ,

	in collaboration with IUAC (13 December 2011). • A job oriented Diploma Course in network engineering was offered in the college during 2010-11 in collaboration with KELTRON. Dr. Ison V. Vanchipurackal of the Physics department was the Coordinator. • Our faculty have conducted a number of state level physics quiz competitions and delivered a number of invited talks in many colleges. • Launching of department website www.stcphysicspala.org (2014) • The Physics association has planted and maintaining 10 trees in front of our department to mark our social responsibility. (2014)
35	SWOC analysis of the department and future plans (a) SWOC analysis Strength • Qualified, skilled and devoted teachers. • Sincere and hardworking students. • Service minded and skilled supporting staff. • Strong support from the Principal and the Management. • Well-equipped UG, PG labs. • Moderately furnished staff room, class rooms and laboratories. • Four research laboratories with good number of international paper publications. Weakness • Decline of the quality of students joining for basic sciences. • Lack of freedom in the design of curriculum and evaluation processes. • Shortage of working days due to various reasons. Opportunity • Central and State governments thrust in basic science education. • Support of Government agencies for teaching and research through various schemes like, CPE, FIST, SARD, etc. • Blooming of inter disciplinary research with adequate funding. • Start of several new higher education centers like IITs, IISERs, Central Universities, research institutes, etc. Challenges • Attracting quality students to our UG, PG and Ph D courses. • Implementing researches that are directly applicable to society. • Lack of sophisticated characterization and fabrication tools in research laboratories. • Job security related issues. • Full utilization of our resources. (b) Future plans • Make the existing NET/GATE preparation classes in the department more effective. • Up gradation of the UG and PG laboratories. • Modernization of the research laboratories with new characterization and fabrication tools. • Start an Instrumentation Maintenance Facility with skilled staff. • Solar powering of the campus. • Implementing measures to attract more students to the basic sciences stream.

1	Name of the Department	DEPARTMENT OF CHEMISTRY					
2	Year of Establishment	1954					
3	Names of Programmes/ Courses offered	B.Sc., M.Sc., Ph.D.					
4	Names of Interdisciplinary Courses and the Departments/units involved	Ph.D programme is offered in inter-disciplinary areas such as Nanochemistry-Nanobiology, Environmental Science and Polymer Science. An Open Course ‘Chemistry in Everyday Life’ is offered to the students of B.A/B.Sc/B.Com programme of other Departments in their fifth semester.					
5	Annual/semester/choice based credit system (programme wise)	B.Sc. – CBCSS M.Sc. – CSS Ph.D. – Semester (Course Work)					
6	Participation of the Department in the Courses offered by other Departments	Various Departments offer the Open Course Paper and our U.G. students opt from them. Also we offer Complementary Course to Physics, Botany and Zoology U.G. Programmes.					
7	Courses in collaboration with other Universities, industries, foreign institutions					Nil	
8	Details of courses /programmes discontinued (if any) with reasons.					Nil	
9	Number of teaching posts:						
	Posts		Sanctioned			Filled	
	Professors		Nil			Nil	
	Associate Professors		6			6	
	Assistant Professors		4			4	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No.	Name	Qualification	Designation	Specialization	Exper- ience (Years)	No. of Ph.D. Student s guided for the last 4 years
	1	Sri. V.T. Thomas	MSc. M.Phil	Associate Professor	Coordination Chemistry/ Physical Chemistry	32	Nil
	2	Sri. Bejoy Mathew	MSc.	Associate Professor	Organic Chemistry	30	Nil
	3	Dr. Sunny Kuriakose	MSc. PhD	Associate Professor	Organic/ Polymer	21	Awarded : 5 Ongoing

				Chemistry/ Nanochemistry		: 4		
4	Sri. Jogy Alex	MSc. M.Phil	Associate Professor	Physical Chemistry	21	Nil		
5	Dr. Jose K Xavier	MSc. PhD	Associate Professor	Inorganic/Envi ronmental Chemistry	21	Nil		
6	Dr. G D Gem Mathew	MSc. PhD	Associate Professor	Organic/ Polymer Chemistry	17	Awarded : 1		
7	Dr. Thomas V. Mathew	MSc, MPhil, PhD	Asst. Professor	Theoretical Chemistry/ Nanochemistry / Polymer Chemistry/	6	Nil		
8	Sri. Sajeev Martin George	MSc	Asst. Professor	Polymer Chemistry/ Physical Chemistry	1	Nil		
9	Sri. Amal Jose Baby	MSc	Asst. Professor	Theoretical Chemistry/ Inorganic Chemistry	1	Nil		
10	Sri. Jithin Prakash P A	MSc (Analytical)	Asst. Professor	Analytical Chemistry/ Physical chemistry	1	Nil		
	11	Dept. of Biochemistry Dr. M. Ratheesh	M.Sc, M.Phil., Ph.D.	Asst. Professor	Biochemistry	2	Nil	
11	List of senior visiting faculty			Nil				
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.							
			2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G.	Theory	--	--	30	30	--	--
		Practical	--	--	30	30	--	--
	P.G.	Theory	--	--	20	20	--	--
		Practical	--	--	20	20	--	--
13	Student-Teacher ratio (programme wise):							
			2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. (Core)		16:1	16:1	16:1	16:1	16:1	16:1

	P.G.(Core)	15:1	15:1	15:1	15:1	15:1	15:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.					Sanctioned – 5 Filled - 5	
15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/M.Phil/ P.G.	Number of present faculty members with highest degree					
		Ph.D.	M.Phil.		M.Sc.		
		5	2		4		
*Qualification of each faculty is given in item No.10 above.							
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received. (a) National						
	Faculty	Title of Project		Major/Minor	Duration	Agency	Grant Received
	Dr. Sunny Kuriakose	Photoresponses and Related Phenomena in Functionality Modified Hyperbranched Polymers		Major	3 Yrs Completed	UGC, New Delhi	613000
	Dr. Sunny Kuriakose	Light Harvesting and Related Phenomena in Nanoparticle Dispersed Dendritic Macromolecules		Major	2006-2009	DST, New Delhi	1082000
	Dr. Sunny Kuriakose	Development of a Computer Programme for Researchers in Discrete Mathematical Chemistry		Major	2008-2011	DST, New Delhi	276000
	Dr. Sunny Kuriakose	Synthesis, Characterisation and Photochemical Studies of some Novel Linear and Hyperbranched Polymers		Minor	2 Yrs Completed	UGC	50,000
	Dr. Sunny Kuriakose	New Generation Anti-microbial Coating Based on Silver Nanoparticle Dispersed Hyperbranched Polyglycerols Containing Multichromophoric Groups		Minor	2010-12	UGC	85,000
	Dr. Jose K. Xavier	Investigations on the Fate and Control of Water Pollution Due To Synthetic Detergents		Minor	2010-12	UGC	75,000
	Dr. G.D.Gem Mathew	Development of cellulose-fibre reinforced poly propylene composites		Minor	2011-13	UGC	190,000
	Dr. Thomas V Mathew	Functionally modified natural polymers such as lignin: synthesis, characterization and photoresponsive studies		Minor	2011-13	UGC	140,000
	Sunny	Studies on the Biomedical		Minor	2014-15	UGC	1,20,000

	Kuriakose	Applications of Carbon Nanoparticles Dispersed in Macromolecular Scaffolds				
	Dr. Prakash Kumar B.	Screening of medicinal plants for dual inhibition of Lipoxxygenase (lox) and Cyclooxygenase (cox)	Minor	2009-2010	UGC	80,000/-
	Dr. Ratheesh M	Value added formulation of Ayurvedic drug <i>Ksheerabala</i> by using <i>Virgin Coconut Oil</i> and its <i>Therapeutic effects on Arthritis</i>	Major	2013-2015	Coconut Develop-ment Board	9.48 Lakhs
	(b) International: Nil					
17	Dept. projects funded by DST-FIST; UGC,DBT,ICSSR, KSCSTE etc. and total grants received.					
	Title of Project	Coordinator	Duration	Agency	Grant Received	
	DST - FIST	HOD	5 Yrs	DST	33 Lakh	
18	Research Centre/facility recognized by the University:					
	The Department of Chemistry was recognized as a research centre by the Mahatma Gandhi University in 1986. 11 Ph.Ds were produced so far and 7 students were enrolled for the Ph.D programme. During 2008-2014 a total of 8 Ph.Ds were produced by the Department under the guidance of Dr.Sunny Kuriakose (5 Ph.Ds), Dr.G.D.Gem Mathew (1 Ph.D) and Dr.Benny P.J (2 Ph.Ds).					
19	Publications: (a) Books/ Monographs					
	Faculty	Title of Books Authored	Publisher and Year ISBN			
	Dr. Sunny Kuriakose	Polymer Chemistry	Kalyani Publishers, Ludhiana – New Delhi, 2012. 978-93-272-1936-4			
	Dr. G.D. Gem Mathew	Basic Organic Chemistry-I	Vishal Publishing Co., Jalandhar - New Delhi, 2010, ISBN: 81-88646-57-1			
	Dr. G.D. Gem Mathew	Basic Organic Chemistry-I I	Vishal Publishing Co., Jalandhar - New Delhi, 2011, ISBN: 978-81-921432-3-1			
	Dr. G.D. Gem Mathew	Chemistry of Natural Products and Biomolecules	Vishal Publishing Co., Jalandhar - New Delhi, 2011			
	Dr. G.D. Gem Mathew & Jose K. Xavier	Complementary Chemistry	Vishal Publishing Co., Jalandhar - New Delhi, 2011, ISBN: 81-88646-75-X			
	Dr. G.D. Gem Mathew & Jose K. Xavier	Advanced Inorganic and Organic Chemistry	Vishal Publishing Co., Jalandhar - New Delhi, 2010, ISBN: 81-88646-92-X			
	Dr. G.D. Gem Mathew & Jose K. Xavier	Advanced Bio-Organic Chemistry	Vishal Publishing Co., Jalandhar - New Delhi, 2011, ISBN: 81-88646-33-4			
	Sajeev Martin George; Poornima Vijayan	Nanostructure and Toughening of Thermosets	Woodhead Publishing Limited, Cambridge, UK, In press			

and Sabu Thomas			
(b) Journal Papers			
Authors	Title	Journal Details	Year
AmbilyChandran, Sunny Kuriakose , Tessymol Mathew	Synthesis, Characterisation and Photoresponsive Studies on Lignin Modified with (E)-4-(naphthalene-1-yl)diazanyl benzoic acid	Polymers for Advanced Technologies, (in press), PAT-13-302	2014
AmbilyChandran, Sunny Kuriakose , Tessymol Mathew	Thermal and Photoresponsive Studies on Cellulose Modified with 2-(5-(4-dimethylamino-benzylidin)-4-oxo-2-thioxo-thiazolidin-3-yl)acetic acid.	Cellulose Chemistry and Technology (in press).	2014
AmbilyChandran, Sunny Kuriakose , Tessymol Mathew	Preparation, Characterisation and Light Fastening Studies of Biopolymer Modified 2-(5-(4-dimethylamino-benzylidin)-4-oxo-2-thioxo-thiazolidin-3-yl)acetic acid	Research Journal of Chemical Science (accepted, In press).	2014
Sheena Varghese, Sunny Kuriakose , Soumya Jose	Antimicrobial Activity of Carbon Nanoparticles Isolated from Natural Sources Against Pathogenic Gram Negative and Gram Positive Bacteria	Journal of Nanoscience, Article ID: 457865	2013
Thomas V Mathew , Sunny Kuriakose	Studies on the Antimicrobial Properties of Colloidal Silver Nanoparticles Stabilized by Bovine Serum Albumin	Colloids and Surfaces B: Biointerfaces, 101, 14 – 18.	2013
AmbilyChandran, Sunny Kuriakose , Tessymol Mathew	Synthesis, Characterisation and Photoresponsive Studies on Lignin Functionalised with (E)-2-(4-(naphthalen-1-yl)diazanyl)phenyl)acetic acid	Polymers for Advanced Technologies, 24, 437.	2013
Thomas V Mathew , Sunny Kuriakose	Synthesis and Characterization of Sodium-Lithium Niobate Ceramic Structures and their Composites with Biopolymers	J. Adv. Ceramics, 2(1), 11.	2013
AmbilyChandran, Sunny Kuriakose , Tessymol Mathew	Thermal and Photo stabilization Studies on Carbohydrates Functionalized with AzoChromophoric System 2-[(E)-(3-hydroxynaphthalen-2-yl)diazanyl]benzoic acid	Polymers for Advanced Technologies, 24, 525.	2013
AmbilyChandran, Sunny Kuriakose , Tessymol Mathew	Thermal and Photoresponsive Studies on Starch Modified with 4-[(E)-2-(3-hydroxynaphthalen-2-yl)diazanyl]benzoic acid	Starch/Stärke, Vol.65, 1–8.	2013
AmbilyChandran, Sunny Kuriakose , Tessymol Mathew	Thermal and Photoresponsive Studies of Starch Modified with 2-(5-(4-dimethylamino-benzylidin)-4-oxo-2-thioxo-thiazolidin-3-yl)-acetic acid	International Journal of Carbohydrate Chemistry, 11,3.	2012
AmbilyChandran, Sunny Kuriakose , Tessymol Mathew	Synthesis, Characterisation and Photoresponsive Studies of Lignin Functionalised with 2-(5-(4-	Open Journal of Organic Polymer Materials, Vol.2,	2012

	dimethylamino-benzylidin)-4-oxo-2-thioxo-thiazolidin-3-yl)-acetic acid	63-68.	
AmbilyChandran, Sunny Kuriakose , Tessymol Mathew	Synthesis, Characterization and Thermal Studies on Natural Polymers modified with 2-(5-(4-dimethylamino-benzylidin)-4-oxo-2-thioxo-thiazolidin-3-yl)-acetic acid	Research Journal of Chemical Sciences, Vol.2(12), 37-45.	2012
AmbilyChandran, Sunny Kuriakose , Tessymol Mathew	Synthesis, Characterization and Photoinduced cis-trans isomerisation Studies on Lignin Modified with 4-[(E)-2-(3-hydroxy naphthalen-2-yl)diazen-1-yl]benzoic acid	Open Journal of Organic Polymer Materials, Vol.2, pp.69-74.	2012
Cincy George, Sunny Kuriakose , Shibumon George, Tessymol Mathew	Antifungal Activity of Silver Nanoparticle Encapsulated β -Cyclodextrin Against Human Opportunistic Pathogens	Supramolecular Chemistry, 23,8,593.	2011
Shibu George, Benny P.J , Sunny Kuriakose , Cincy George, SaralaGopalakrishnan	Antiprotozoal activity of 2, 3-dihydroxybenzoic acid isolated from the fruit extracts of Flacourtia inermis Roxb	Medicinal Plants – Int. Journal of Phytomedicines and Related Industries 3, 3, 237	2011
Cincy George, Sunny Kuriakose , Sheena Varghese, Tessymol Mathew	Synthesis and Characterization of Polyethyleneglycol Encapped Silver Nanoparticles and their Antifungal Activity	Sci.Soc., 9(2), 197.	2011
Shibumon George, Benny P.J , Sunny Kuriakose , Cincy George	Antibiotic Activity of 2,3-Dihydroxybenzoic Acid Isolated from Flacourtia inermis Fruit Against Multidrug Resistant Bacteria	Asian Journal of Pharmaceutical and Clinical Res., 4, 1, 126.	2011
Cincy George, Sunny Kuriakose , B. Prakashkumar, Tessymol Mathew,	Synthesis, characterisation and antibacterial applications of water-soluble, silver nanoparticle- encapsulated β -cyclodextrin	Supramolecular Chemistry, 22, 9, 511.	2010
Benny P.J , Shibumon George, Sunny Kuriakose , Cincy George	2,3-Dihydroxybenzoic Acid: An Effective Antifungal Agent Isolated from Flacourtia inermis Fruit	Int. Journal of Pharmaceutical and Clinical Res. 2(3), 101-105.	2010
Sunny Kuriakose , Shaiju Augustine, Cincy George, Tessymol Mathew, Mary Joseph	Cis - Trans Isomerisation in Functionally Modified poly [di(ethylene glycol)/glycerol-alt-adipic acid] polyol Containing Azo Groups: A Novel Photoswitchable System	Ind. J. Multi. Res. Vol. 6 (1): 75 – 82.	2010
Aneyamma Varghese, Cincy George, Sunny Kuriakose	Assessment of Nutrients and Organic Carbon Content in the Sediments of Meenachil River	Pollution Research, 28(2):149-152.	2009
Aneyamma Varghese, Cincy George, Sunny Kuriakose	Seasonal Analysis of Meenachil River with reference to Biological Parameters	Indian Journal of Multidisciplinary Research, 5(2):245-250.	2009
Linta Mary Jose,	A Study on Water Pollution Due to	STARS, Int. Journal	2008

Johney Philip, Jose K. Xavier	Synthetic Detergents	(Sciences), 2(2), p122-128.	
G.D.Gem Mathew et al	Concept of Green Chemistry in Environmental Protection, Research Lines	Interdisciplinary Research Journal, Vol. II., No. 1, 49-55	2009
G.D.Gem Mathew et al	Dynamic mechanical analysis of novel composites from commingled polypropylene fiber and banana fiber.	Polymer Engineering and Science, Vol. 50, Issue 2, 384-395	2010
G.D.Gem Mathew et al	Preparation of polypropylene fiber/banana fiber composites by novel commingling method,	Polymer Composites, Vol.3, 5, 816-824.	2010
G.D.Gem Mathew et al	The role of interface modification on thermal degradation and crystallisation behaviour of composites from commingled polypropylene fiber and banana fiber.	Polymer Composites, Vol. 31, 6, 1113-1123.	2010
G.D.Gem Mathew et al	Influence of polarity parameters on the mechanical properties of composites from polypropylene fiber and short banana fiber.	Composites - Part A, Vol. 41, 1380-1387.	2010
Jyotishkumar P, JurgenPionteck, RudigerHassler, Sajeev Martin George , UrosCvelbar, Sabu Thomas	Studies on Stress Relaxation and Thermomechanical Properties of Poly(acrylonitrile-butadiene-styrene) Modified Epoxy-Amine System	Ind. Eng. Chem. Res., 50, 4432–4440.	2011
Sajeev M George , Debora Puglia, Jose M. Kenny, Jyotishkumar P, Sabu Thomas	Cure Kinetics and Thermal Stability of Micro and Nanostructured Thermosetting Blends of Epoxy Resin and Epoxidised Styrene-block-Butadiene-block-Styrene Triblock Copolymer Systems	Polymer Engineering And Science - DOI 10.1002/Pen.23183.	2012
P. Jyotishkumar, P. Moldenaers, Sajeev M George , Sabu Thomas	Viscoelastic effects in thermoplastic poly(styrene-acrylonitrile)-modifiedepoxy-DDM system during reaction induced phase separation	Soft Matter, DOI: 10.1039/c2sm07055c	2012
Jyotishkumar P, Eldho Abraham, Sajeev M George , Eldho Elias, Ju'rgenPionteck, Paula Moldenaers, Sabu Thomas	Preparation and Properties of MWCNTs/Poly(Acrylonitrile- Styrene-Butadiene)/Epoxy Hybrid Composites	J. Appl. Polym. Sci., DOI: 10.1002/App.37677.	2012
P.Jyotishkumar, E. Logakis, Sajeev M George ,Ju'rgenPionteck, Liane Haussler, Ru'digerHaßler, P. Pissis, Sabu Thomas	Preparation and Properties of Multiwalled Carbon Nanotube/ Epoxy-Amine Composites	J. Appl. Polym. Sci., DOI: 10.1002/App.37674.	2012
Runcy Wilson, Sajeev M George , Hanna J. Maria, Tomas S.	Clay Intercalation and its Interface on the Morphology and Transport Properties of EVA/Clay Nanocomposites	Journal of Physical Chemistry, 116, 20002-20014.	2012

	Plivelic, Anil Kumar S, Sabu Thomas						
	Vysakh , Ratheesh M Rajmohan T P, Pramod C, Premlal S, Girish K B, Sibi P I	<u>Polyphenolics isolated from virgin coconut oil inhibits adjuvant induced arthritis in rats through antioxidant and anti-inflammatory action.</u>	Journa of International Immunopharmacolog y. 20(1):124-130.	2014			
20	Areas of consultancy and income generated.						
	We provide technical help and advice to Riotech Industries, Kottayam, a leading manufacturer of auto paste and putty. The consultancy is provided on a give-and-take basis and they provide necessary analytical facilities for research scholars.						
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards						
	Faculty	Membership		Year			
	Dr. Sunny Kuriakose	American Chemical Society		2011			
	Dr. Sunny Kuriakose	American Biographical Society (Science)		2013			
	Dr. Jose K Xavier	American Chemical Society		2012			
	Dr. Thomas V Mathew	American Chemical Society		2012			
	Dr. G.D. Gem Mathew	Fellow, Indian Chemical Society		Life			
	Dr. G.D. Gem Mathew	Indian Science Congress Association		Life			
	Dr. G.D. Gem Mathew	Association of Chemistry Teachers		Life			
	Dr. G.D. Gem Mathew	Materials Research Society of India		Life			
22	Student Projects (a) Percentage of students who have done in-house projects including inter-departmental programme (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies (i) U.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	--	--	--	100	100	100
	(b)	--	--	--	--	--	--
	(ii) P.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	100	100	100	100	100	100
	(b)	--	--	--	--	--	--
23	Awards/ recognitions received by faculty and students						
	Year	Name	Student/ Faculty	Recognition/ Award	Awarded by		
	2014	Sri. V.T. Thomas	Faculty	Chairman, PG Board of Examiners, III SEM, MSc Chemistry 2013	M.G.University, Kottayam.		
	2011	Dr. Sunny	Faculty	Member, P.G.Board of	M.G.University,		

		Kuriakose		Studies	Kottayam.
	2012	Dr. Sunny Kuriakose	Faculty	Organising Committee member, Kerala Science Congress	KCST
	2013	Dr. Sunny Kuriakose	Faculty	Member of mentor panel, INSPIRE programme	DST, Govt. of India
	2013	Dr. Sunny Kuriakose	Faculty	Member, P.G.Board of Studies	Kerala University, Trivandrum.
	2011	Sri. Jogy Alex	Faculty	Member, Senate	M.G.University Ktym.
24	List of eminent academicians and scientists/visitors to the department.				
	Name	Position	Occasion/ Purpose	Date of Visit	
	Dr. T. Muraleedharan	Section Head, Common Facility Service Centre, Dept. of Industries and Commerce, Govt. of Kerala, Industrial Estate, Changanacherry	To deliver a lecture on <i>Rubber Technology</i>	24 January 2008	
	Dr. K. Santhosh Kumar	Scientist, Rajiv Gandhi Centre for Biotechnology, Trivandrum	To deliver a lecture on <i>Peptide Antibiotics</i>	5 December 2008.	
	Dr. K. George Thomas	Bhatnagar Awardee and Scientist, National Institute for Interdisciplinary Science and Technology, CSIR, Trivandrum	To deliver a lecture on <i>Carbon-based Nano Structures</i>	5 March 2009	
	Prof. (Dr.) Sabu Thomas	Professor of Polymer Science and Engineering, School of Chemical Sciences, Mahatma Gandhi University, Kottayam	To deliver a lecture on <i>Structure-Property Relationship of Polymers</i>	16 November 2009	
	Dr. I. Ibnusaud	Co-ordinator, Institute for Intensive Research in Basic Sciences, Mahatma Gandhi University, Kottayam	To deliver a lecture on <i>Tropical Plants and Chirality</i>	08 March 2010	
25	Seminars/Conferences/Workshops organized and the source of funding				
	(a) National				
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received
	Science Academy's Lecture Workshop	Current Topics in Chemistry	10 & 11 April 2008	IASc, Bangalore; INSA, New Delhi NASI, Allahabad, CSIR and KSCSTE	Rs.2 Lakhs
	FCBS - Lecture Series in Chemistry	Chemistry	21 January 2011	Foundation for Capacity Building in Science (FCBS), Trivandrum	Rs.1.5 lakhs
	Science Academy's	Quantum Mechanics, Molecular – Resonance	1-3 March	IIRBS, MGU, Kottayam;	Rs.1 Lakh

	Lecture Workshop	Spectroscopy and Hands-on Experience in Spectroscopy	2012	IASc, Bangalore; INSA, New Delhi and NASI, Allahabad.		
	Seminar	Synthetic Reagents in Organic Chemistry	17/1/2013	IIRBS, MGU, Kottayam		Rs.50,000/-
	(b) International: Nil					
26	Student profile programme/course wise:					
(a) U. G. Programme						
	Year	Applications received	Selected	Enrolled		Pass %
				Male	Female	
	2008-09	85	24	24	Nil	69
	2009-10	98	44	44	Nil	65
	2010-11	117	36	36	Nil	45
	2011-12	95	29	29	Nil	89
	2012-13	121	36	36	Nil	84
	2013-14	150	41	41	Nil	79
(b) P.G. Programme						
	Year	Applications received	Selected	Enrolled		Pass %
				Male	Female	
	2008-09	90	20	4	16	72.0
	2009-10	95	20	5	15	81
	2010-11	85	17	4	13	81
	2011-12	76	19	2	17	95
	2012-13	80	20	5	15	58
	2013-14	80	23	6	17	RA
(c) Ph.D.						
	Year	Admitted		Awarded	Ongoing	Dropouts
		Male	Female			
	2008-09	--	1	2	5	--
	2009-10	--	1	--	6	--
	2010-11	1	1	2	5	--
	2011-12	1	3	3	4	--
	2012-13	--	--	1	7	--
	2013-14	--	--	--	6	--
27	Diversity of students					

	Year	Name of the Course	% of students From the Same state	% of students from other states	% of students from Abroad		
	2008-09	U. G.	100	--	--		
		P.G.	100	--	--		
		Ph.D.	--	--	--		
	2009-10	U.G.	100	--	--		
		P.G.	100	--	--		
		Ph.D.	--	--	--		
	2010-11	U.G.	96.77	3.23	--		
		P.G.	100	--	--		
		Ph.D.	--	--	--		
	2011-12	U.G.	100	--	--		
		P.G.	100	--	--		
		Ph.D.	100	--	--		
	2012-13	U.G.	100	--	--		
		P.G.	100	--	--		
		Ph.D.	100	--	--		
	2013-14	U.G.	100	--	--		
		P.G.	100	--	--		
		Ph.D.	100	--	--		
28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.?-						
	No. of students qualified NET in the year						
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	7	6	5	5	5	3	
29	Student progression against%enrolled						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	29	24	29	25	38	38
	PG to M.Phil.	5	4	5	--	--	--
	P.G. to Ph.D.	10	15	15	20	20	25
	Ph.D. to Post-Doctoral	--	--	--	--	--	--
	Employed Campus Selection Other than Campus recruitment	10 50	7 40	7 45	5 35	-- 30	-- --
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and students	Class rooms with ICT facility		Laboratories		
	Central library facility with 12 Chemistry Journals	A computer lab with 10 computers, all are internet connected is	A smart class room with ICT facility is provided for taking		Two research laboratories, two laboratories for		

	• STATE LEVEL SCIENCE EXPERIENCE CAMP FOR SCHOOL STUDENTS CHEMQUEST 2011- Workshop on 'Chemistry-Our Life, Our Future' celebrating the International Year of Chemistry 2011 (IYC 2011), held during 5-8 September 2011 in collaboration with Science Education Trust (SET) Kottayam, and sponsored by CSIR, New Delhi and KSCSTE, Govt. of Kerala • CHEMISTRY EXHIBITION 2011-One Day Chemistry Exhibition for High School and Higher Secondary students, on 06 September 2011. • POPULAR SCIENCE BOOKS EXHIBITION-Exhibition of popular science books, journals and magazines by NISCAIR, the publication Division of CSIR, New Delhi on 05 & 06 September, 2011 • TALKS AND CLASSES GIVEN TO SCHOOL STUDENTS ON SOLID WASTE POLLUTION MANAGEMENT-(i). St.Antony's Public School and Junior College, Anakkallu, (ii). Alphonsa Residential School, Bharananganam. • Classes Given To Students And The Public On Plastic Pollution, Water Pollution And Solid Waste Management: (i). Holy Cross College, Cherpunkal and Kozhuvanal Gramapanchayat. • Classes given to Municipal Council Members and the public of Pala Municipality on Plastic Pollution, Water Pollution and Solid Waste Management. • Writing articles in popular Science magazines of children for the popularization of science.
35	SWOC analysis of the department and future plans
	(a) SWOC analysis
	Strength
	• High profiled faculty • Highest enrollment rate in PG and UG programmes • Consistent record of university rank and UGC-CSIR/NET holders • Highly cited research publications, research projects etc.
	Weakness
	• Lack of Boarding facility
	Opportunity
	• Highly equipped UG, PG and research laboratories • Coaching for national level eligibility tests under the guidance of teaching faculty
	Challenges
	• Enhance the PG and UG results towards excellence • Enhance the rate of campus placement
	(b) Future plans
	• To start anew M.Phil. course in Chemistry giving special emphasis to areas such as Green Chemistry, Nanotechnology, Nano-Bio Technology and Rubber Technology. • To strengthen the newly started research centres, viz, Centre for Nanotechnology and Centre for Environmental Sciences (Water and Soil Analysis). • To start a new Extension programme for the popularization of Science, especially Chemistry among School going students of Kottayam District. • To conduct an INSPIRE programme in collaboration with other Science Departments of the College.

1	Name of the Department	DEPARTMENT OF BOTANY					
2	Year of Establishment	1953					
3	Names of Programmes/ Courses offered	B.Sc., M.Sc., Ph.D.					
4	Names of Interdisciplinary Courses and the Departments/units involved	Ecotourism – Open Course offered to the fifth Semester U.G. students					
5	Annual/semester/choice based credit system (programme wise)	B.Sc – CBCSS M.Sc. – CSS Ph.D. – Semester (Course Work)					
6	Participation of the Department in the Courses offered by other Departments	Various Departments offer the Open Course Paper and our U.G. students opt from them. Also we offer Complementary Course to U.G. Programme in Zoology					
7	Courses in collaboration with other Universities, industries, foreign institutions	Nil					
8	Details of courses / programmes discontinued (if any) with reasons.	Nil					
9	Number of teaching posts:7						
	Posts		Sanctioned			Filled	
	Professors		--			--	
	Associate Professors		3			3	
	Assistant Professors		4			4	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Expe- rience	No. of Ph.D. Students guided for the last 4 years
	1	Jomy Augustine	M.Sc., Ph.D.	Associate Professor	Plant Taxonomy	19 years	6
	2	P.O.Augusthy	M.Sc., Ph.D.	Associate Professor	Environmental Biology	18 years	4
	3	Paul V. Karamthanam	M.Sc. M.Phil	Associate Professor	Cytology	18	-
	4	Dennis Thomas T.	M.Sc., Ph.D.	Assistant Professor	Plant Tissue culture	14	5
	5	Toji Thomas	M.Sc., Ph.D.	Assistant Professor	Phytochemistr y	14	-
	6	Johns Augustine	M.Sc., Ph.D.	Assistant Professor	Plant Taxonomy	8	-

	7	Bince Mani	M.Sc.	Assistant Professor	Plant tissue culture	4	-	
11	List of senior visiting faculty			Nil				
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty. Nil							
13	Student-Teacher ratio (programme wise):							
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	U.G. (Core)	12:1	15:1	18:1	30:1	32:1	40:1	
	P.G. (Core)	5:1	5:1	5:1	5:1	5:1	5:1	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.					Sanctioned –3 Filled -2		
15	Qualifications of teaching faculty with DSc/D.Litt / Ph.D/M.Phil/ P.G.		Number of present faculty members with highest degree					
			Ph.D.		M.Phil.		M.Sc.	
			5		1		1	
	*Qualification of each faculty is given in item No.10 above.							
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received. (a) National							
	Faculty	Title of Project			Major/ Minor	Duration	Agency	Grant Received
	Johns Augustine	Collection and conservation of some rare and endangered orchids found in the Vagamon hills of Kottayam district			Minor	2012-2014	UGC	98,000
	Bince Mani	Biochemical characterization and selection of sodium chloride tolerant cell lines of calotropis gigantia Linn.			Minor	2012-2014	UGC	1,38,000
	Dennis Thomas	In vitro conservation and reproductive biology of <i>Pittosporum tetraspermum</i> an endangered medicinal plant from Western Ghats			Major	2010-2012	UGC	4,43,000
	Jomy augustine	Preparation of the Flora of Mannavan chola National Park, Idukki District, Kerala (Digital Documentation)			Minor	2010-11	KFRI	50,000
	Jomy Augustine	Preparation of the Flora of Mannavan chola National Park, Idukki District, Kerala (Digital Documentation)			Minor	2010-11	KFRI	50,000
	P.O. Augusthy	Antimicrobial properties of certain bryophytes			Minor	2007-08	UGC	80,000
	Dennis	Survey for elite coconut mother			Minor	2012-13	CDB	1,25,000

	Thomas T.	palms in Kottayam district, Kerala				
	Toji Thomas	Characterization of antibacterial Principle from <i>Acrostihum aureum</i> L.	Minor	2011-13	UGC	80,000
	(b) International: Nil					
17	Dept. projects funded by DST-FIST; UGC, DBT, ICSSR, KSCSTE etc. and total grants received.					
	Title of Project	Coordinator	Duration	Agency	Grant Received	
	FIST	HOD	2009-14	DST	35 lakhs	
	SARD	HOD	2009-12	STEC	13.1 lakhs	
18	Research Centre/facility recognized by the University:					
	Research Department approved by M.G. University Kottayam					
19	Publications:					
	(a) Books/ Monographs					
	Faculty	Title of Books Authored	Publisher, Year and ISBN			
	Toji Thomas	Fundamentals of Computer for Biology Students	Apex Infotech Publishing Company, Chennai 2010 ISBN 978-81-910911-2-0			
	Toji Thomas	Essentials of Botanical Microtechnique	Apex Infotech Publishing Company, Chennai.2005 ISBN:978-81-910911-1-3			
	(b) Journal Papers					
	Authors	Title	Journal Details		Year	
	Dennis Thomas, Chaturvedi R	Endosperm culture-A novel method for triploid plant production	Plant Cell Tissue and Organ Culture 93: 1-14 (Springer). [Impact factor=3.633]		2008	
	Dennis Thomas	The effect of <i>in vivo</i> and <i>in vitro</i> applications of ethrel and GA ₃ on sex expression in bitter melon	Euphytica- 164: 317-323 (Springer). [Impact factor=1.643]		2008	
	Dennis Thomas	The role of activated charcoal in plant tissue culture	Biotechnology advances – 26: 618-631 (Elsevier). [Impact factor=9.599]		2008	
	Dennis Thomas	Isolation, callus formation and plantlet regeneration from mesophyll protoplasts of <i>Tylophora indica</i> (Burm. f.) Merrill. a medicinal plant	<i>In Vitro</i> Cellular and Developmental Biology – Plant – 45: 591-598 (Springer). [Impact factor=1.139]		2009	
	Dennis Thomas, Sankar S	Multiple shoot induction and callus regeneration in <i>Sarcostemma brevistigma</i> Wight & Arn, an endangered medicinal plant	Plant Biotechnology Reports – 3: 67-74 (Springer). [Impact factor=1.051]		2009	
	Abraham J, Cheruvathur	Micropropagation of <i>Cyclea peltata</i> (Lam) Hook & Thoms. by	Industrial Crops and products – 31: 92-98 (Elsevier). [Impact		2010	

MK, Bince Mani, Dennis Thomas	enhanced axillary branching	factor=2.468]	
Cheruvathur MK, Abraham J, Bince Mani, Dennis Thomas	Adventitious shoot formation from cultured internodal explants of <i>Malaxis acuminata</i> D. Don, a valuable terrestrial medicinal orchid	Plant Cell Tissue and Organ Culture 101: 163-170 (Springer). [Impact factor=3.633]	2010
Dennis Thomas, Hoshino Y	In vitro propagation for the conservation of a rare medicinal plant <i>Justicia gendarussa</i> Burm. f. by nodal explants and shoot regeneration from callus	Acta Physiologiae Plantarum 32: 943-950 (Springer). [Impact factor=1.305]	2010
Cheruvathur M.K, Britto J, Dennis Thomas	Callus induction and shoot regeneration from epicotyl explants of ethnomedicinally important <i>Caesalpinia bonduc</i> (L.) Roxb.	Iranian Journal of Biotechnology 8:22-29. [Impact factor=0.043]	2010
Hoshino Y, Miyashita T, Dennis Thomas	In vitro culture of endosperm and its application in plant breeding: approaches to polyploidy breeding	Scientia Horticulturae 130:1-8 (Elsevier). [Impact factor=1.396]	2011
Dennis Thomas, Hoshino Y	Efficient in vitro plant regeneration from embryo derived callus of <i>Brachypodium distachyon</i> ; a model grass for functional genomics	Plant Biosystems 145:924-930. (Taylor&Francis). [Impact factor=1.912]	2011
Cheruvathur M.K, Britto J, Dennis Thomas	Pulvinus- an ideal explant for plant regeneration in <i>Caesalpinia bonduc</i> (L.) Roxb. an ethnomedicinal woody climber	Acta Physiologiae Plantarum 34:693-699. (Springer). [Impact factor=1.305]	2011
Cheruvathur M.K, Dennis Thomas	Callus induction and high frequency plant regeneration in <i>Pseudarthria viscida</i> (L.) Wright and Arn. a rare ethnomedicinal herb	Physiology and Molecular Biology of Plants 17:395-401 (Springer).	2011
Kumar KG, Dennis Thomas	High frequency somatic embryogenesis and synthetic seed production in <i>Clitoria ternatea</i> Linn. an important medicinal climber.	Plant Cell Tissue Organ Culture 110:141-151 (Springer). [Impact factor=3.633]	2012
Cheruvathur MK, Sivu AR, Pradeep NS, Dennis Thomas	Shoot organogenesis from leaf callus and ISSR assessment for their identification of clonal fidelity in <i>Rhinacanthus nasutus</i> (L.) Kurz; a potent anticancerous ethnomedicinal plant	Industrial Crops and products 40: 122-128 (Elsevier). [Impact factor=2.468]	2012
Abraham S, Augustine J, Dennis Thomas	Factors influencing plant regeneration in <i>Coelogyne nervosa</i> A. Rich. an endemic orchid to Western Ghats.	Physiology and Molecular Biology of Plants 18:245-251. (Springer).	2012

Abraham J, Dennis Thomas	Antibacterial activity of medicinal plant <i>Cyclea peltata</i> (Lam) Hooks & Thoms	Asian Pacific Journal of Tropical Disease S280-284 (Elsevier). [Impact factor=0.502]	2012
Cheruvathur M K, Najeeb N, Dennis Thomas	In vitro propagation and conservation of Indian sarasaparilla, <i>Hemidesmus indicus</i> L. R. Br. through somatic embryogenesis and synthetic seed production	Acta Physiologiae Plantarum 35:771-779 (Springer). [Impact factor=1.305]	2013
Cheruvathur MK, Abraham J, Dennis Thomas.	Plant regeneration through callus organogenesis and true-to-type conformity of plants by RAPD analysis in <i>Desmodium gangeticum</i> (Linn.) DC.	Applied Biochemistry and Biotechnology 169:1799-1810 (Springer). [Impact factor=1.893]	2013
Cheruvathur MK, Kumar KG, Dennis Thomas	Somatic embryogenesis, synthetic seed production and assessment of clonal fidelity by RAPD analysis in <i>in vitro</i> propagated plantlets from <i>Rhinacanthus nasutus</i> (L.) KURZ., a highly valuable ethnomedicinal plant.	Plant Cell Tissue Organ Culture 113:63-71 (Springer). [Impact factor=3.633]	2013
Cheruvathur M.K, Dennis Thomas	Callus induction and multiple shoot regeneration from in vitro cotyledonary nodal explants of <i>Rhinacanthus nasutus</i> (L.) Kurz; a potent anticancerous ethnomedicinal plant	VIRJ for Pure and Applied Sciences 1:81-89. (ISSN-2347-3835)	2013
Cheruvathur MK, Dennis Thomas.	Shoot organogenesis from root derived callus of <i>Rhinacanthus nasutus</i> (L.) Kurz and assessment of clonal fidelity of micropropagated plants using RAPD analysis.	Applied Biochemistry and Biotechnology 172:1172-1182 (Springer). [Impact factor=1.893]	2014
Jose S, Dennis Thomas.	Comparative phytochemical and antibacterial studies of two indigenous medicinal plants <i>Curcuma caesia</i> Roxb. and <i>Curcuma aeruginosa</i> .	International Journal of Green Pharmacy 8:65-71 ISSN:0973-8258	2014
Kumar KG, Dennis Thomas	Reproductive biology of <i>Pittosporum tetraspermum</i> , a rare medicinal tree endemic to Western Ghats.	Botanical studies 55:15 (Springer) [Impact factor=0.86].	2014
Bince Mani, Dennis Thomas	Evaluation of antioxidant potential of <i>Pittosporum tetraspermum</i> Wight and Arn. stem bark	Food science and Biotechnology (Springer –In press) [Impact factor=0.695]	2014
Cheruvathur MK, Dennis Thomas.	High frequency multiple shoot induction from nodal segments and rhinacanthin production in the medicinal shrub <i>Rhinacanthus</i>	Plant growth regulation (Springer-In Press) [Impact factor=1.670].	2014

	<i>nasutus</i> (L.) Kurz.		
Cheruvathur M K, Dennis Thomas.	Plant growth regulators and elicitors increase the rhinacanthin production in hairy root cultures of <i>Rhinacanthus nasutus</i> (L.) Kurz.	Plant Cell Tissue Organ Culture (Springer – In Press) [Impact factor=3.633].	2014
Jomy Augustine	Diversity, Distribution, Flowering Periodicity and Causes of Rarity of <i>Strobilanthes</i> Blume in the High Ranges, Western Ghats, India	ENVIS Bulletin, Dehradun.	2009
Jomy Augustine	Ethnobotanical Uses Of Plants Prevalent Among The Tribes Of Periyar Tiger Reserve, Western Ghats	Indian J. Trad. Knowledge 9 (1): 73-76.	2010
Jomy Augustine, KV Uthaman & KP Rajesh	Preliminary study on the flora and vegetation of Aralam Wildlife Sanctuary, western Ghats, India	JETB 34: (3): 530-540	2010
Toji Thomas	Preliminary antibacterial evaluation of fronds of <i>Pteris quadriaurita</i> Retz. towards bacteria involved in dermatological diseases	<i>J App Pharm Sci</i> 1(8) 214-216.	2011
Toji Thomas	Antibacterial evaluation of <i>Angiopteris evecta</i> (G. Forst.) Hoffm. towards bacteria involved in cutis diseases	Int J Uni Pharma Life Sci 1(3) 1-7	2011
Toji Thomas	Preliminary antibacterial and phytochemical evaluation of <i>Dryopteris cochleata</i> (D.Don) C.Chr.	J Global Pharma Tech 3(6) 4-8	2011
Toji Thomas	Preliminary Antibacterial and Phytochemical Evaluation of <i>Odontosoria chinensis</i> (L.) J.SM.	J Pharm Herb Formul 1(5) 26-30	2011
Toji Thomas	Preliminary antibacterial evaluation of <i>Lindsaea ensifolia</i> Sw. against bacteria involved in skin diseases	Med Plants 3(1) 77-79	2011
Toji Thomas	Preliminary Antibacterial and Phytochemical Assessment of <i>Osmunda regalis</i> L.	Int J Pharm Biol Arch 2(1) 559-562	2011
Toji Thomas	Antibacterial Action of Rhizomes of <i>Blechnum orientale</i> L.	Indian Fern J 27(1) 73–77.	2010
Kassim A. J, Toji Thomas	Antibacterial evaluation of <i>Quassia Indica</i> (Gaertn.) Nootb. In Steenis towards bacteria involved in skin diseases.	J Global Pharma Tech 2(10) 48-52	2010
Ulahannan R K, Toji Thomas, Sadasivan C	Antibacterial Action of Leaves of <i>Aegle marmelos</i> .	STARS Int J (Sci) 2(1) 134-138.	2008

	Toji Thomas	In vitro evaluation of antibacterial activity of <i>Acrostichum aureum</i> Linn.	Indian J Nat Prod Resour 3(1) 135-138.	2012			
	Toji Thomas	Antibacterial activity of <i>Adiantum lunulatum</i> Burm. F. towards bacteria implicated in cutaneous infections	Biol Sci Opin 1(4) 334-336	2013			
	Abraham A and Toji Thomas	Comparative assessment on antibacterial activity of bark of <i>Carallia brachiata</i> (Lour.) Merr prepared in single and gradient extraction methods.	Int J Curr Microbiol App Sci 2(9) 160-163	2013			
	Toji Thomas	A study on antibacterial and phytochemical evaluation of fronds of <i>Adiantum raddianum</i> C. Presl (2014) Thomas T	Int J Pharmacol Screen Methods 4(2) 85-88.	2014			
	Toji Thomas	Antibacterial activity of fronds of <i>Adiantum caudatum</i> L towards bacteria involved in cutaneous diseases	Ind. J. Pharm Sci. Res. 4(2), 80-82	2014			
20	Areas of consultancy and income generated: Nil						
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards						
	Faculty	Membership		Year			
	Dennis Thomas T	Associate Editor of the International Journal “AoB PLANTS” published by Oxford University Press, UK		2010-till date			
	Dennis Thomas T	Life member of the Society for Plant Biochemistry and Biotechnology		Life			
	Dennis Thomas T.	Life member, Indian Mycological Society		Life			
	Dennis Thomas T.	Life member, International Society for Plant Morphologists		Life			
	Toji Thomas	Member of International Society for Ethnopharmacology Denmark		Annual			
	Toji Thomas	Indian Mycological Society		Life			
	Toji Thomas	Indian Fern Society		Annual			
	Toji Thomas	Kerala Botanical Society		Life			
22	Student Projects (a) Percentage of students who have done in-house projects including inter-departmental programme (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies (i) U.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	--	--	--	100	100	100
	(b)	Nil	Nil	Nil	Nil	Nil	Nil

	(ii) P.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	100	100	100	100	100	100
	(b)	Nil	Nil	Nil	Nil	Nil	Nil
23	Awards/ recognitions received by faculty and students						
	Year	Name	Student/ Faculty	Recognition/ Award		Awarded by	
	2008	Dennis Thomas T.	Faculty	INSA visiting Scientist award		INSA	
	2013	Dennis Thomas T	Faculty	INSA visiting Scientist award		INSA	
24	List of eminent academicians and scientists/ visitors to the department.						
	Name		Position	Occasion/ Purpose		Duration of Visit	
	Hoshino Yoichiro		Associate Professor	Teaching and research		3-9 March 2012	
25	Seminars/Conferences/Workshops organized and the source of funding						
	(a) National						
	Programme	Topic/ Area			Dates	Funding Agency	Amount Received
	National Conference	On Bioprospecting Of Plant Genetic Resources Of Western Ghats			22-23 Nov. 2011	UGC	60,000/-
	(b) International: Nil						
26	Student profile programme/course wise: (a) U. G. Programme						
	Year	Applications received		Selected	Enrolled		Pass %
					Male	Female	
	2008-09	38		8	8	-	100
	2009-10	42		5	5	-	83
	2010-11	45		12	12	-	88
	2011-12	58		17	17	-	86
	2012-13	116		26	26	-	93
	2013-14	118		31	31	-	50
	(b) P.G. Programme						
	Year	Applications received		Selected	Enrolled		Pass %
					Male	Female	
	2008-09	70		11	1	10	100
	2009-10	75		12	1	11	100
	2010-11	72		11	2	9	92
	2011-12	80		12	2	10	100
	2012-13	88		12	8	4	83
	2013-14	75		15	1	14	RA
	(c) Ph.D.						
	Year	Admitted		Awarded	Ongoing	Dropouts	
		Male	Female				
	2008-09	2	1		6	-	
	2009-10	1	2		9	-	

	2010-11	1	1	1	12	-	
	2011-12	2	2	1	13	-	
	2012-13	1	-		16	-	
	2013-14	--	--	--	17	-	
27	Diversity of students						
	Year	Name of the Course	% of students From the Same state		% of students from other states	% of students from Abroad	
	2008-09	U. G.	100		--	--	
		P.G.	100		--	--	
		Ph.D.	100		--	--	
	2009-10	U.G.	100		--	--	
		P.G.	100		--	--	
		Ph.D.	100		--	--	
	2010-11	U.G.	100		--	--	
		P.G.	100		--	--	
		Ph.D.	100		--	--	
	2011-12	U.G.	100		--	--	
		P.G.	100		--	--	
		Ph.D.	100		--	--	
	2012-13	U.G.	100		--	--	
		P.G.	90		10	--	
		Ph.D.	100		--	--	
	2013-14	U.G.	100		--	--	
		P.G.	100		--	--	
		Ph.D.	100		--	--	
	28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.?-					
		Year	NET/ SLET		GATE	Civil / Defense services	
		2008-09	1		-	-	
		2009-10	2		-	-	
		2010-11	1		1	-	
		2011-12	3		-	-	
		2012-13	2		1	1(IFS)	
2013-14		1		-	-		
29		Student progression against % enrolled					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	60	65	50	40	45	--

	• LCD teaching • Overhead teaching • Blackboard teaching • Study tour
34	Participation in Institutional Social Responsibility (ISR) and extension activities • Spread environmental awareness among students especially school children. • Help various agencies in social forestry. • Give training to students and common man in plant protection.
35	SWOC analysis of the department and future plans (a) SWOC analysis
	Strength
	• Most of the teachers with Ph.D. • The teachers are specialized in diverse areas of research • Most of them carry out funding projects and research
	Weakness
	• Some teachers do not have Ph.D. • Limitations of space in lab and class rooms • Scarcity of nonteaching staff
	Opportunity
	• Young teachers with Ph.D have good opportunity to concentrate on research. • Instrumentation facility in the department gives opportunity for faculty training.
	Challenges
	• The influence of other colleges especially self-financing colleges. • Lack of adequate funds for chemicals and lab and instrument maintenance
	(b) Future plans
	• Improve the lab and instrumentation facility • Organize conferences and training programme

1	Name of the Department			DEPARTMENT OF ZOOLOGY			
2	Year of Establishment			1955			
3	Names of Programmes/ Courses offered			B.Sc Zoology Core & Complementary			
4	Names of Interdisciplinary Courses and the Departments/units involved			Management of Ornamental Fish Breeding – Open Course offered to the fifth Semester U.G. students			
5	Annual/semester/choice based credit system (programme wise)			B.Sc. – CBCSS			
6	Participation of the Department in the Courses offered by other Departments			Various Departments offer the Open Course Paper and our U.G. students opt from them. Also we offer Complementary Course to U.G. Programme in Botany.			
7	Courses in collaboration with other Universities,industries, foreign institutions			Nil			
8	Details of courses /programmes discontinued (if any)with reasons.			Nil			
9	Number of teaching posts:						
	Posts		Sanctioned		Filled		
	Professors		--		--		
	Associate Professors		2		2		
	Assistant Professors		1		1		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No.	Name	Qualification	Designation	Specialization	Exper-ience	No. of Ph.D. Students guided for the last 4 years
	1	Baby Augustine	M.Sc, M.Phil	Associate Professor	Biochemistry	29	--
	2	Dr. Benny P J	M.Sc, Ph.D	Associate Professor	Biochemistry	23	5
	3	Mathew Thomas	M.Sc	Assistant Professor	Biodiversity	03	--
11	List of senior visiting faculty			Nil.			
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil						
13	Student-Teacher ratio (programme wise):						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. (Core)	10:1	13:1	14:1	17:1	20:1	26:1

14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.		Sanctioned –Nil Filled - 1	
15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/ M.Phil/ P.G.	Number of present faculty members with highest degree		
		Ph.D.	M.Phil.	M.Sc.
		1	1	1
	*Qualification of each faculty is given in item No.10 above.			
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received: Nil			
17	Dept. projects funded by DST-FIST;UGC,DBT,ICSSR, KSCSTE etc. and total grants received: Nil			
18	Research Centre/facility recognized by the University: Nil			
19	Publications:			
	(a) Books/ Monographs: Nil			
	(b) Journal Papers			
	Authors	Title	Journal Details	Year
	Gopalakrishnan Sarala, Shibumon George, Benny P J	Antimicrobial effect of <i>Punica granatum</i> on Pyogenic Bacteria.	Journal of Pharmaceutical and Biomedical Science. 3(06) 1-3.	2010
	Shibumon George Benny P J	Antibacterial potency of fruit extracts of <i>Flacourtia inermis</i> against multidrug resistant strains and comparison of its activity with that of standard antibiotics.	International Journal of Pharmaceutical Science and Biotechnology. 1(2):96-99.	2010
	Shibumon George Benny P J	Antifungal activity of acetonic extract of <i>Flacourtia inermis</i> against opportunistic pathogenic fungi.	Journal of Global Pharma Technology. 1(6):28-34.	2010
	Shibumon George Benny P J	Antiprotozoal activity of the crude extract of <i>Flacourtia inermis</i> fruit by microscopic count method.	International Journal of Pharmaceutical & Biological Archives. 1(4):385-388.	2010
	Shibumon George Benny P. J	A Review on the Medicinal Significance of Common Fruits.	Int. J. Biomedical Research and Analysis. 1(2):60-64.	2010
	Shibumon George, Benny P. J, Baby Augustine	Antibacterial screening of seed and pericarp of medicinally important fruits of South India.	STARS: Int. Journal (Sciences). 3(1):98-102.	2009
	Gopalakrishnan S, Benny P. J.	Invitro Antibacterial properties of <i>Punica granatum</i> Extract on bacteria causing Urinary tract Infections	Indian Drugs. 46(9): 17 - 22.	2009

	Shibu George, Benny P. J , Sunny Kuriakose, Cincy George, Sarala Gopalakrishnan	Antiprotozoal activity of 2, 3-dihydroxybenzoic acid isolated from the fruit extracts of Flacourtia inermis Roxb	Medicinal Plants – Int. Journal of Phytomedicines and Related Industries3, 3, 237	2011			
	Shibumon George, Benny P J , Sunny Kuriakose, Cincy George	Antibiotic Activity of 2,3-Dihydroxybenzoin Acid Isolated from Flacourtia inermis Fruit Against Multidrug Resistent Bacteria	Asian Journal of Pharmaceutical and Clinical Res., 4, 1, 126.	2011			
	Benny P. J , Shibumon George, Sunny Kuriakose, Cincy George	2,3-Dihydroxybenzoic Acid: An Effective Antifunga Agent Isolated from Flacourtia inermis Fruit	Int. Journal of Pharmaceutical and Clinical Res. 2(3), 101-105.	2010			
20	Areas of consultancy and income generated: Nil						
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards: Nil						
22	Student Projects (a) Percentage of students who have done in-house projects including inter-departmental programme (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies U.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	--	--	--	100	100	100
	(b)	--	--	--	--	--	--
23	Awards/ recognitions received by faculty and students: Nil						
24	List of eminent academicians and scientists/visitors to the department: Nil						
25	Seminars/Conferences/Workshops organized and the source of funding: Nil						
26	Student profile programme/course wise: BSc Zoology						
	Year	Applications received	Selected	Enrolled		Pass %	
				Male	Female		
	2008-09	53	14	14	--	71	
	2009-10	65	15	15	--	57	
	2010-11	97	13	13	--	67	
	2011-12	74	22	22	--	83	
	2012-13	97	31	31	--	50	
	2013-14	120	31	31	--	61	
27	Diversity of students						
	Year	Name of the Course	% of students From the Same state	% of students from other states		% of students from	

						Abroad	
	2008-09	U. G.	100	--	--		
	2009-10	U.G.	100	--	--		
	2010-11	U.G.	100	--	--		
	2011-12	U.G.	100	--	--		
	2012-13	U.G.	100	--	--		
	2013-14	U.G.	100	--	--		
28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.? Nil						
29	Student progression against%enrolled						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	42	21	9	39	25	--
	PG to M.Phil.	--	-	--	--	--	--
	P.G. to Ph.D.	--	--	--	--	--	--
	Ph.D. to Post-Doctoral	--	--	--	--	--	--
	Employed						
Campus Selection	10	7	12	10	--	--	
Other than Campus recruitment	43	20	21	17	10	--	
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and students			Class rooms with ICT facility		Laboratories
	Separate section for Zoology in the Main Library	Available in the department.			2		2
31	Number of students receiving financial assistance from college, university, government or other agencies.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Central Sector Scholarship	1	1	1	--	--	1
	Post Matric Scholarship	2	1	1	2	3	4
	Scholarship from College	1	2	1	2	2	1
	UGC Scholarship for SC/ST/Minority	1	2	1	1	1	1
32	Details on student enrichment programmes (special lectures/workshops/seminar) with External experts: Nil						
33	Teaching methods adopted to improve student learning						
	• The teaching learning process is based mainly on lecturing system. • ICT Method, LCD Projector, Computers with internet connection etc. are made use of in the class room for effective class room teaching • Continuous student assessment is made through class tests, instantaneous questions,						

	common tests • Seminars & Assignments conducted individually. • Individual project work for final year B.Sc. • Group Activity for first, second and final year B.Sc • Field visit to important biodiversity centers. • Study tour to research centers
34	Participation in Institutional Social Responsibility (ISR) and extension activities: Nil
35	SWOC analysis of the department and future plans (a) SWOC analysis Strength • Full time permanent faculty members • Well-functioning lab and class rooms • Well established Museum • Well-functioning Computer Lab Weakness • Poor demand in take ratio • Majority of the students are slow learners Opportunity • Research Guide in the Department • Six Research Scholars • Bio-informatics Lab Challenges • Unavailability of time for extracurricular activities. • Timely completion of syllabus. • UGC orders curbing animal experiments. (b) Future plans • Starting the Post-Graduate course in Zoology. • Starting training programmes for Self-employment in life science branches. • To become a centre of excellence in documenting the biodiversity of Western Ghats in Kottayam & Idukki districts.

1	Name of the Department	DEPARTMENT OF ECONOMICS					
2	Year of Establishment	1953					
3	Names of Programmes/ Courses offered	B.A, M.A.					
4	Names of Interdisciplinary Courses and the Departments/units involved	An Open Course is offered in the fifth Semester for U.G. students of other departments.					
5	Annual/semester/choice based credit system (programme wise)	B.A. – CBCSS M.A. – CSS					
6	Participation of the Department in the Courses offered by other Departments	Subsidiary and open courses.					
7	Courses in collaboration with other Universities,industries, foreign institutions	Nil					
8	Details of courses /programmes discontinued (if any)with reasons.	Nil					
9	Number of teaching posts:						
	Posts		Sanctioned			Filled	
	Professors		Nil			Nil	
	Associate Professors		3			3	
	Assistant Professors		4			4	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Experi- ence	No. of Ph.D. Students guided for the last 4 years
	1	Dr. K K John	M.A., M.Phil. Ph.D.	Associate Professor	Monetary Theory and Economics of Agriculture	32	--
	2	Dr. Joy George	M.A., M.Phil. Ph.D.	Associate Professor	Development Economics and Research Methodology	29	--
	3	Joseph J Mattam	M.A, M.Phil.	Associate Professor	Public Economics and HRM	24	--
	4	Dr. Biju K. C.	M.A. B. Ed, Ph.D.	Assistant Professor	International Economics and Micro Economics	12	--
	5	Alan Zacharia	M. A.	Assistant Professor	Macro Economics	4	--

	received.						
	Title of Project		Coordinator	Duration	Agency	Grant Received	
	Socio-economic survey on the morbidity trends in Meenachil Taluk		Dr. Biju K.C.	2013-14	UGC	Rs.60000.	
18	Research Centre/facility recognized by the University: Nil						
19	Publications: (a) Books/ Monographs						
	Faculty	Title of Books/ Monographs Authored /Edited		Publisher, Year and ISBN			
	Dr. K.K John and V. Nagarajan Naidu	Crop rotation and Economic Sustainability of Agriculture		LAMBERT Academic Publishing GmbH& Co.KG Saarbrucken, Germany ISBN: 978-3-8443-8080-4			
	Dr. K.K.John	Crop rotation and Economic Sustainability of Agriculture in Kerala- Productivity 2008		National Productivity Council, New Delhi			
	(b) Journal Papers						
	Authors	Title		Journal Details		Year	
	Dr. Joy George	Educational initiatives of the missionaries and inclusive growth; A case study of the Malay Arayans of Kerala.		Journal of the Institute for Research in Social Sciences and Humanities, 7(2), 131-149.		2012	
20	Areas of consultancy and income generated: Nil						
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards						
	Faculty		Membership			Year	
	Dr. K.K. John		Expert Member of the Kerala government for preparing the memorandum for the 14 th Finance Commission.			2013	
22	Student Projects						
	(a) Percentage of students who have done in-house projects including inter-departmental programme						
	(b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies						
	(i) U.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	--	--	--	100	100	100
	(b)	0	0	0	0	0	0
	(ii) P.G. Programme						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	100	100	100	100	100	100
	(b)	0	0	0	0	0	0
23	Awards/ recognitions received by faculty and students						
	Year	Name	Student/	Recognition/ Award		Awarded by	

			Faculty		
2012	Dr. K.K. John	Faculty	Member, PG Board of Studies	M.G. University Kottayam	
2013	Dr. K.K. John	Faculty	Expert Member of the Kerala government for preparing the memorandum for the 14 th Finance Commission .	Government of Kerala.	
2012	Vishnu A.B.	Student	3rd place in 5000m men's competition in the athletic meet.	M. G. University Kottayam	
2013	Renjith Mohan	Student	Best Economist	S.B. College Changanacherry	
2013	Renjith Mohan and Adarsh Simmy Manuel	Student	1st prize in the inter-collegiate debate competition	S.H. College, Thevara.	
2013	Adarsh Simmy Manuel and Renjith Mohan	Student	1st prize in the inter-collegiate debate competition	St. stephen's college, Uzhavoor.	
2012	Renjith Mohan	Student	1st prize in the inter-collegiate paper presentation competition	Baselius college, Kottayam	
2012	Tinto Anto	Student	1st prize in the inter-collegiate quiz competition	Baselius college, Kottayam	
2013	Tinto Anto	Student	2nd prize in the quiz competition	S.H. College, Thevara	
2011	Georgekutty Jose	Student	1st prize in the inter-collegiate quiz competition	Mangalam College of Engineering, Ettumanoor.	
2010	Georgekutty Jose	Student	2nd prize in the inter-collegiate quiz competition	NSS College, Changanacherry.	
2010	Georgekutty Jose	Student	1st prize in the inter-collegiate quiz competition	Alphonsa College, Pala	
24	List of eminent academicians and scientists/visitors to the department.				
	Name	Position	Occasion/ Purpose	Date of Visit	
	Dr. V. S. Sastry	Director General IRDA, Govt. of India	Seminar on Financial Sector Reforms	19/8/2009	
	K. P. Padmakumar	Former CMD, Federal Bank Ltd.	Union Budget Analysis-2011	22/10/2012	
	Abraham Tharyan	Executive Director, SIB Ltd.	Seminar on Financial sector Reforms.	19/8/2009	
	Alphonse Kannamthanam	MLA, Kerala Legislative Assembly.	Seminar on US Financial Crisis-2009	29/10/2008	
	Dr. Rajan Varghese	Pro-Vice Chancellor, MG	Union Budget Analysis-	13/9/	

		University.	2013	2012		
	Dr. Alwin Praksh	Professor, RGIM Tvm. & Chairman, Kerala State Expenditure Commission.	Union Budget Analysis-2012	21/3/2012		
	Dr. V.K. Vijayakumar	Chief Economist, Geojit-BNP Paribus	Seminar on Capital Market in India.	2/12/2010		
	K M Chandrasekhar	Hon. Vice Chairman, Kerala State Planning Board	PJ Thomas Memorial Lecture	2/12/11		
	Abraham Tharyan	Executive Director, SIB Ltd.	PJ Thomas Memorial Lecture	2/12/11		
	Abhay Bakre	Executive Director, PCRA	Petroleum Conservation and Pricing.	5-6/9/13		
	V K Srivastava	Additional Director, PCRA	Petroleum Conservation and Pricing.	5-6/9/13		
25	Seminars/Conferences/Workshops organized and the source of funding (a) National					
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received	
	Seminar	Petroleum Conservation and Pricing.	5-6/9/2013	PCRA Govt. of India	Rs.1 Lakh	
	Workshop	Financial Sector Reforms	29/10/12	Dr. P.J. Thomas Centre for Social Sciences Research	Rs. 20000	
	Seminar	Capital Market in India-Prospects and Challenges	2/12/11	Dr. P.J. Thomas Centre for Social Sciences Research	Rs.20000	
	Seminar	Financial Sector Reforms	19/8/09	Dr. P.J. Thomas Centre for Social Sciences Research	Rs.20000	
	(b) International: Nil					
26	Student profile programme/course wise: (a)U. G. Programme					
	Year	Applications received	Selected	Enrolled	Pass %	
				Male	Female	
	2008-09	142	42	42	0	98
	2009-10	158	47	47	0	85
	2010-11	160	47	47	0	96
	2011-12	154	54	54	0	96
	2012-13	170	57	57	0	76
	2013-14	190	56	56	0	88
	(b)P.G. Programme					
				Male	Female	
	2008-09	142	20	8	12	94
	2009-10	146	22	8	14	80

	2010-11	150	22	14	8	91	
	2011-12	165	22	6	16	100	
	2012-13	170	31	13	18	86	
	2013-14	152	29	4	25	RA	
27	Diversity of students						
	Year	Name of the Course	% of students From the Same state	% of students from other states	% of students from Abroad		
	2008-09	U. G.	100	--	--		
		P.G.	100	--	--		
	2009-10	U.G.	100	--			
		P.G.	97	3	--		
	2010-11	U.G.	100	--	--		
		P.G.	100	--	--		
	2011-12	U.G.	100	--	--		
		P.G.	100	--	--		
	2012-13	U.G.	100	--	--		
		P.G.	100	--	--		
	2013-14	U.G.	100	--	--		
		P.G.	100	--	--		
28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.?-						
	No. of students qualified NET in the year						
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	1	2	3	9	1	--	
29	Student progression against % enrolled						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	45	48	55	51	60	--
	PG to M.Phil.	5	10	--	5	--	--
	P.G. to Ph.D.	5	5	10	--	--	--
	Ph.D. to Post-Doctoral	--	--	--	--	--	--
	Employed						
	Campus Selection	Nil	3	5	5	4	--
	Other than Campus recruitment	10	15	20	20	23	--
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and students		Class rooms with ICT facility		No. of PCs in the Dept.	
	Department Library with 78 books and 141 RBI publications	Broadband internet facility for staff and students		1		5	
31	Number of students receiving financial assistance from college, university, government or other agencies.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14

	• Qualified and competent regular faculty. • Talented and devoted students. • Dr P J Thomas Centre for Social Science Research.
	Weakness
	• Wide gap in the capability and income level of the students. • Majority are day scholars coming from long distance. • Poor communication skills in English.
	Opportunity
	• Well-equipped library • Free training facilities for placements and encouragements for overall development of students.
	Challenges
	• Inadequate infrastructural facilities. • Lack of time for the completion of curricular and co-curricular activities.
	(b) Future plans
	• Efforts to retain the good academic performance in both UG and PG students • To serve as a resource centre for the nearby colleges having only UG programmes. • To become a Research Centre in Economics. • To start a Centre for Budget Studies

1	Name of the Department		DEPARTMENT OF HISTORY				
2	Year of Establishment		1999				
3	Names of Programmes/ Courses offered		B.A. Vocational History Model -II				
4	Names of Interdisciplinary Courses and the Departments/units involved		Social Implication of Modern Revolutions – Open Course offered to the fifth Semester U.G. students				
5	Annual/semester/choice based credit system (programme wise)		B.A. – CBCSS				
6	Participation of the Department in the Courses offered by other Departments		Various Departments offer the Open Course Paper and our U.G. students opt from them. Also we offer Complementary Course to U.G. Programmes in Economics and Politics.				
7	Courses in collaboration with other Universities, industries, foreign institutions		Training of our III DC students in Archaeology and Museology at Centre for Heritage Studies, Hill Palace Tripunithura.				
8	Details of courses / programmes discontinued (if any) with reasons.		Nil				
9	Number of teaching posts:						
	Posts		Sanctioned			Filled	
	Professors		--			--	
	Associate Professors		--			--	
	Assistant Professors		4			3	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No.	Name	Qualification	Designation	Specialization	Expe-rience	No. of Ph.D. Students guided for the last 4 years
	1	Dr. James John	M.A, Ph.D.	Assistant Professor	Indo-Portuguese History	12 years	--
	2	Cyriac Jose	M.A.	Assistant Professor	Archaeology	2 years	--
	3	Manesh Varghese John	M.A, M.A Philosophy, M Ed, M Phil.	Assistant Professor	History	1 year	--
	4	Sabu Augustine	M.A, B Ed.	Guest Faculty	History	3 years	--

11	List of senior visiting faculty	Dr. K.S Mathew, Retired Head and Professor, Central University, Pondicherry					
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G.	74	74	74	74	50	25
13	Student-Teacher ratio (programme wise):						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. (Core)	18:1	19:1	20:1	20:1	19:1	19:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.					Sanctioned - Nil Filled - Nil	
15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/ M.Phil/ P.G.	Number of present faculty members with highest degree					
		Ph. D.	M. Phil.		M. A.		
		1	1		2		
	*Qualification of each faculty is given in item No.10 above.						
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received: Nil						
17	Dept. projects funded by DST-FIST;UGC, DBT, ICSSR, KSCSTE etc. and total grants received. Nil						
18	Research Centre/facility recognized by the University:						
	Dr. James John, HOD is an external Research Guide.						
19	Publications:						
	(a) Books/ Monographs: Nil						
	(b) Journal Papers						
	Authors	Title	Journal Details				Year
	Dr. James John	The Organization of the Santa Casa da Misericordia in Malabar”	Journal of the Institute for Research in Social Sciences and Humanities, 3(1) 99-110				2008
	Dr. James John	Akbar: A Contemporary Portuguese Pen-picture.	Journal of the Institute for Research in Social Sciences and Humanities, 5(1) 107-119.				2010
	Dr. James John	The Portuguese and the Native Rulers of Malabar.	Journal of the Institute for Research in Social Sciences and Humanities, 7(1&2), 211-220.				2012
	Cyriac Jose	Discovery of a habitation cum Burial site at Nachivayal, Marayoor, Idukki District, Kerala.	Journal of the Indian Archaeological Society, New Delhi, No 42, 238-243.				2012
20	Areas of consultancy and income generated: Nil						
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards: Nil						
22	Student Projects						
	(a) Percentage of students who have done in-house projects including inter-departmental						

	programme (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies					
	Final Year of the UG Programme					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
(a)	--	--	--	100	100	100
(b)	100	100	100	100	100	100
23	Awards/ recognitions received by faculty and students: Nil					
24	List of eminent academicians and scientists/visitors to the department.					
	Name	Position	Occasion/ Purpose			Date of visit
	Prof. Dr. K S Mathew	Retired Head and Professor, Central University, Pondicherry	International Seminar on The Portuguese and the Dutch in Maritime Malabar with Special Reference to Cochin From 9-12 December 2012			9-12/12/ 2012
	Captain Melho Pereira	Departemento da Marinheira, Lisbon	International Seminar on The Portuguese and the Dutch in Maritime Malabar with Special Reference to Cochin From 9-12 December 2012			9-12/12/ 2012
	Prof. Dr. Om Prakash	Retired Professor Delhi School of Economics	International Seminar on The Portuguese and the Dutch in Maritime Malabar with Special Reference to Cochin From 9-12 December 2012			9-12/12/ 2012
	Dr. Vitor Rodrigues	Centro Tropical da Investigacao Cientifica Tropical, Lisbon	International Seminar on The Portuguese and the Dutch in Maritime Malabar with Special Reference to Cochin From 9-12 December 2012			9-12/12/ 2012
25	Seminars/Conferences/Workshops organized and the source of funding (a) National					
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received	
	National Seminar	Science and Religion Dialogue-An Interface between the Mastery of Science and the Mystery of Religion	8-9 March 2010	Indian Institute for Science and Religion, Pune	Rs. 75000/-	
	(b) International					
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received	
	Seminar	The Portuguese and the Dutch in Maritime Malabar with Special Reference to Cochin	9-12/12/ 2012	IRISH, Tellicherry, STCP, ICHR, IPCI Cochin, VGRI, Fort Cochin and Dept of Archaeology, Govt. of Kerala	Rs. 4 Lakhs	
26	Student profile programme/course wise: U. G. Programme					

	Year	Applications received		Selected	Enrolled		Pass %	
					Male	Female		
	2008-09	30		10	10		100	
	2009-10	39		18	18		100	
	2010-11	86		23	23		72	
	2011-12	40		16	16		100	
	2012-13	65		18	18		50	
	2013-14	80		18	18		91	
27	Diversity of students							
	Year	Name of the Course	% of students From the Same state	% of students from other states		% of students from Abroad		
	2008-09	U. G.	100	--		--		
	2009-10	U.G.	100	--		--		
	2010-11	U.G.	100	--		--		
	2011-12	U.G.	100	--		--		
	2012-13	U.G.	100	--		--		
	2013-14	U.G.	100	--		--		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.?- Nil							
29	Student progression against% enrolled							
	Final Year		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.		20	22	15	10	5	--
	PG to M.Phil.		--	--	--	--	--	--
	P.G. to Ph.D.		--	--	--	--	--	--
	Ph.D. to Post-Doctoral		--	--	--	--	--	--
	Employed							
	Campus Selection		--	--	--	--	--	--
	Other than Campus recruitment		40	30	25	20	10	--
30	Details of Infrastructural facilities							
	Library			Internet facility for Staff and students		Class rooms with ICT facility		No. of PCs in the Dept.
	Department has its own library and made available it for the students along with the college library.			Internet facilities for Staff & Students		1		1
31	Number of students receiving financial assistance from college, university, government or other agencies.							
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	Central Sector Scholarship	--	--	--	--	1	1	
	Post Matric Scholarship	--	--	--	--	2	2	

	(b) Future plans
	• To develop the department to a Research Department in the future • To give better classroom facilities for students • To give more departmental library facility • To appoint permanent faculty • To strengthen the Palai Heritage Society • To improve ICT learning facilities • To publish more research articles • To start a Museum

1	Name of the Department	DEPARTMENT OF POLITICS					
2	Year of Establishment	1950					
3	Names of Programmes/ Courses offered	B.A., M.A., Ph.D.					
4	Names of Interdisciplinary Courses and the Departments/units involved	Human Rights in India – Open Course offered to the fifth Semester U.G. students					
5	Annual/semester/choice based credit system (programme wise)	B.A. – CBCSS M.A. – CSS Ph.D. – Semester (Course Work)					
6	Participation of the Department in the Courses offered by other Departments	Various Departments offer the Open Course Paper and our U.G. students opt from them. Also we offer Complementary Course to U.G. Programmes in Economics and History.					
7	Courses in collaboration with other Universities,industries, foreign institutions	Nil					
8	Details of courses /programmes discontinued (if any)with reasons.	Nil					
9	Number of teaching posts.						
	Posts		Sanctioned			Filled	
	Professors		--			--	
	Associate Professors		3			3	
	Assistant Professors		5			5	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Expe- rience	No. of Ph.D. Students guided for the last 4 years
	1	Dr. K.K. Jose	MA, PhD	Associate Prof.	Gandhian Studies, Research Methodology, International Politics	31	--
	2	Dr. Shajimon K Mathews	MA, LLB, PhD	Associate Prof.	Human Rights and Constitutional Law, Public Administration,	25	1

					Administrative Law			
	3	Dr. Stany Thomas	MA, PhD	Associate Prof.	Indian Government, American Government	20	8	
	4	Fr. Mathew Kurian	MA, B.Ed	Assistant Prof	Comparative Politics, Decentralization, Foreign Policy, Political Thought	13	--	
	5	Sijo K. Manuel	MA, B.Ed, M.Phil.	Assistant Prof	Human Rights, Political Theory	5	--	
	6	George Joseph	MA	Assistant Prof	Political Theory, International Politics, Kerala Politics	3	--	
	7	Sijo Mathew	MA, B.Ed	Assistant Prof	Political Thought	2	--	
	8	Tinchu P. James	M A	Assistant Prof	Comparative Politics, International Relations	1	--	
11	List of senior visiting faculty							
	1. Prof. M.T. Tharian 2. Prof. N.C. Mathewkutty 3. Dr.V.V. Varghese 4. Dr. Cyriac Thomas 5. Prof. V.J. Joseph 6. Prof. Danty Joseph 7. Prof. Pylokutty George 8. Prof. Mathew Sebastian 9. Dr N C Jacob							
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.							
			2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G.	Theory	16	16	0	0	0	0
	P.G.	Theory	10	10	0	0	0	0
13	Student-Teacher ratio (programme wise):							
			2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. (Core)		51:1	53:1	44:1	49:1	46:1	52:1
	P.G.(Core)		9:1	8:1	9:1	10:1	11:1	11:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.						Sanctioned –Nil Filled -Nil	

15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/M.Phil/ P.G.	Number of present faculty members with highest degree				
		Ph.D.	M.Phil.	M.A.		
		3	1	4		
*Qualification of each faculty is given in item No.10 above.						
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received.					
	(a) National					
	Faculty	Title of Project	Major/ Minor	Duration	Agency	Grant Received
	Dr. Stany Thomas	Social Mobility and Self Reliance of Rural Women in Kerala: Empowerment of Women through Self Integrated Groups- A Case Study'	Minor	2008-10	UGC	94,000
	Sijo K. Manuel	Human Rights and Role of NGOs: A Study on Amnesty International (2000- 2007)'	Minor	2009-11	UGC	50,000
	Sijo Mathew	Human Rights Violations of Migrant Workers in Kerala: With Special Reference to Tamil Migrants in Kochi	Minor	2013-ongoing	UGC	125000
(b) International: Nil						
17	Dept. projects funded by DST-FIST;UGC,DBT,ICSSR, KSCSTE etc. and total grants received: Nil					
18	Research Centre/facility recognized by the University:					
	Dept. is M G University recognized research center with 12 research guides and conducts course work for PhD.					
19	Publications:					
	(a) Books/ Monographs					
	Faculty	Title of Books/ Monographs Authored /Edited	Publisher and Year		ISBN	
	Sijo K. Manuel	Human Rights: Theory History Culture (Manushyvakasngal: Shithantham Charithram Samskaram)	D. C. Books, Kottayam, June 2012		9788126435463	
	(b) Journal Papers					
	Authors	Title	Journal Details			Year
Sijo K. Manuel	Right to Development and Human Rights: A Retrospection.	Holistic Thought, Vol. 2, 79 – 84. (ISSN 0975 – 363 X			2010	
Sijo K. Manuel	Media and Human Rights.	Malayalam Research Journal, Vol. 4, 1116 – 1123 (ISSN 0974 - 1984).			2011	

	Sijo K. Manuel	The Rise and Development of NGOs in India: An Overview.	ALFOMINE An International Refereed Journal, Vol. 2 No. 2, 49 - 60 (ISSN 2250 - 3870)			2012
	Sijo K. Manuel	Women Empowerment and Self Help Groups: An Overview.	Baselius Researcher, Vol. XIII No. 2, 855 - 863 (ISSN 0975 - 8658)			2012
	Sijo K. Manuel	Grassroots Democracy in Kerala: Expectations and Challenges of Grama Sabha.	Research Scholar, Vol. 2 No. 3, 150 - 155(ISSN 2249 - 6696)			2012
	Sijo K. Manuel	Human Rights and Globalisation: Nexus and Reflections.	Research Lines, Vol. IV No. 02, 198 - 203 (ISSN 0975 - 8941)			2011
	Sijo Mathew	Primitive tribes and forest laws : A study of the Forest dwelling Primitive Tribes of Kerala	Alfomine: International Journal- Humanities And Social Sciences Vol.2,61-71. ISSN 2250-3870			2012
	Sijo Mathew	Human rights and Primitive tribes of Kerala	SH Research Journal of Humanities & Business Studies, 36-44 ISSN-3378-5465			2011
20	Areas of consultancy and income generated: Nil					
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards					
	Faculty		Membership			Year
	Mathew Sebastian		P. G. Board of Studies			2011- 13
	Dr. Stany Thomas		P. G. Board of Studies			2011- 13
	Dr Shajimon K Mathews		P. G. Board of Studies, Kannur University			2013--
	Dr Shajimon K Mathews		P. G. Board of Studies, M G University Kottayam			2014--
	Dr Shajimon K Mathews		U. G. Board of Studies, M G University Kottayam			2014--
22	Student Projects					
	(a) Percentage of students who have done in-house projects including inter-departmental programme					
	(b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies					
	(i) U.G. Programme					
	Final Year of the Programme					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
(a)	-	--	--	100	100	100
(b)	--	--	--	--	--	--
	(ii) P.G. Programme					
	Final Year of the Programme					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
(a)	100	100	100	100	100	100
(b)	--	--	--	--	--	--

23	Awards/ recognitions received by faculty and students				
	Year	Name	Student/ Faculty	Recognition/ Award	Awarded by
	2011-12	Dr. Stany Thomas	Faculty	Fulbright Nehru Fellowship	USIEF
	2007	George Varghese Chacko	Student	M.A.III Rank	M G University
	2008	Jerome K John	-do-	M.A. II	M G University
	2008	Kannan K.N	-do-	M.A. I	M G University
	2008	George Joseph	-do-	M.A. II	M G University
	2008	Roy Abraham	-do-	M.A. III	M G University
	2009	Binu Joseph	-do-	M.A. I	M G University
	2009	Midhun Raj	-do-	M.A. II	M G University
	2009	Davis C Jacob	-do-	M.A. III	M G University
	2010	Jobin C	-do-	M. A. I	M G University
	2010	Teena Joseph	-do-	M.A. III	M G University
	2011	Ajmal S Razaq	-do-	B.A. I Rank	M G University
	2011	Sr.Bindhu Jose	-do-	M.A. I	M G University
	2011	Fr.Noble Mathew	-do-	M.A. II	M G University
	2012	Mufti M. Mubarak	-do-	M.A. I	M G University
	2012	Devi K.S	-do-	M.A. II	M G University
	2012	Ranjith V.T	-do-	M.A.III	M G University
	2013	Ajas V. M.	-do-	M.A. II Rank	M G University
24	List of eminent academicians and scientists/visitors to the department.				
	Name	Position	Occasion/ Purpose	Date of Visit	
	Sri. Kuldeep Nayyar	Journalist, Former MP & High Commissioner to UK	Dr R M Mathew Endt. Lecture	6/8/09	
	Dr. M. M Mathew	Reader in Political Science, Marthoma College, Thiruvalla.	Inauguration of Political Science Association 2007-2008.	4.11.2007	
	Dr. M.S John	Professor, MG University Kottayam	Invited Talk	28/09/2007	
	Prof. K.P. Joseph	H.O.D. of Political Science, Maharaja's College, Ernakulam	Inauguration of Political Science Association 2008-2009.	7/10/08	
	Dr. M.M. Mathew	Reader in Political Science, Marthoma College, Thiruvalla.	Invited Talk	14/11/2008	
	Prof. Joseph Augustine	Principal St. Xavier's College, Vaikom	Inauguration of Political Science Association 2009-2010.	5.11.2009	
	Dr. Michael W. Sonleitner	Port Land Community College, U.S.A.	Visiting Faculty (Fulbright Scholar)	30/11/09 to 30/5/10	
	Prof. Antony J	Professor (Retired)	Invited Talk	12/10/10	

	Kunnath	University of Bombay				
	Rev. Fr. Tomy Joseph	Principal, S.B College Changanacherry	Inauguration of Political Science Assn. 2010-11	3/11/10		
	Prof. Walter Russell Mead	James Clark Chase Professor, USA	Invited Talk	16/8/13		
	Dr. Cyriac Thomas	Member of Minority Educational Commission, New Delhi	Invited Talk	28.11.2013		
25	Seminars/Conferences/Workshops organized and the source of funding: (a) National					
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received	
	Seminar	Emerging Europe: Challenges and Opportunities for Asia	14/2/ 2008	College	50000/-	
	Seminar	Issues of Human Rights among Tribals in Kerala	20/11/2008	UGC	100000	
	Workshop	Workshop on Methodology Course	20-21/12/10	KSHEC	30000	
	Conference	India and US in the 21 st century	27-28/7/11	US Consulate	\$5000.00	
	Seminar	Human Rights and Domestic Violence	March 22 & 23, 2012	UGC	100000	
	(b) International: Nil					
26	Student profile programme/course wise:(a) U. G. Programme					
	Year	Applicationsreceived	Selected	Enrolled		Pass %
				Male	Female	
	2008-09	146	38	38	--	100
	2009-10	157	58	58	--	92
	2010-11	154	48	48	--	89
	2011-12	148	54	54	--	100
	2012-13	145	56	56	--	87
	2013-14	185	59	59	--	73
	(b) P.G. Programme					
	Year	Applications received	Selected	Enrolled		Pass %
	2008-09	78	26	18	8	71.42
	2009-10	83	25	17	8	47
	2010-11	80	24	15	9	83.33
	2011-12	79	25	12	13	77.3
	2012-13	86	30	18	12	45
	2013-14	92	30	18	12	RA
	(c) Ph.D.					
	Year	Admitted		Awarded	Ongoing	Dropouts
		Male	Female			
	2008-09	1	--		1	--

	2009-10	7	--		2	--	
	2010-11	2	2	1	9	--	
	2011-12	1	1	1	12	--	
	2012-13	1	--	--	13	--	
	2013-14	3	3	1	13	--	
27	Diversity of students						
	Year	Name of the Course	% of students from the same state	% of students from other states	% of students from Abroad		
2008-09	U. G.	100	--	--			
	P.G.	100	--	--			
	Ph.D.	100	--	--			
2009-10	U.G.	96	4	--			
	P.G.	100	--	--			
	Ph.D.	100	--	--			
2010-11	U.G.	96	4	--			
	P.G.	96	4	--			
	Ph.D.	100	--	--			
2011-12	U.G.	100	--	--			
	P.G.	96	4	--			
	Ph.D.	100	--	--			
2012-13	U.G.	100	--	--			
	P.G.	92	8	--			
	Ph.D.	100	--	--			
2013-14	U.G.	96	4	--			
	P.G.	96	4	--			
	Ph.D.	100	--	--			
28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.?-						
	No. of students qualified NET in the year						
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	2	2	--	1	2	1	
29	Student progression against % enrolled						
	Final Year	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	48	44	51	49	53	--
	PG to M.Phil.	4	4	--	12	--	--
	P.G. to Ph.D.	8	4	4	--	--	--
	Ph.D. to Post-Doctoral	--	--	--	--	--	--
	Employed						
	Campus Selection	--	--	--	--	--	--
	Other than Campus recruitment	42	40	36	20	10	--
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and		Class rooms with	No. of PCs		

		students	ICT facility		in the Dept.		
	Separate section for Political Science in Main Library	Internet connectivity is available in the dept. and III B.A., II M.A., I M.A. Classes	3		4		
31	Number of students receiving financial assistance from college, university, government or other agencies.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Central Sector Scholarship	1	1	--	--	2	2
	KSHEC Scholarship	--	--	--	--	--	2
	Kerala State Suvarna Jubilee Merit Scholarship	3	4	--	--	1	1
	Post Metric Scholarship	1	2	1	--	16	18
	UGC Merit Scholarship for Rank Holders	1	1	--	--	--	--
	Scholarship from College	2	1	1	1	2	1
	Indira Gandhi Scholarship for Single girl child	--	--	--	--	1	1
	C H Muhammedkoya Scholarship	--	--	--	--	2	--
	UGC Scholarship for SC/ST/Minority	1	4	2	3	2	1
	University Scholarship	1	2	1	--	--	--
	Jindal Foundation Scholarship for Poor Students	--	--	--	1	1	--
	Acquire Scholarship	--	--	--	--	3	--
	Others (KPCR	60	61	70	70	57	63
32	Details on student enrichment programmes (special lectures/workshops/seminar)with External experts						
	Programme	Expert		Dates			
	Invited Talk	Dr. M.S John		28.09.2009			
	Invited Talk	Dr. M.M. Mathew		14 th November 2008			
	Visiting prof.	Dr. Michael W. Sonnleiter		From 30/11/ 2009 to 6 months			
	Invited Talk	Prof. Antony J Kunnath		12 – 10 - 2010			
	Invited Talk	Dr. Cyriac Thomas		28- 11-2013			
	Seminar	Justice K T Thomas		March 22 & 23, 2012			

	Invited Talk	Sibi George IFS	July 7 th 2009
	Invited Talk	Prof. Walter Russell Mead	16 th August 2013
33	Teaching methods adopted to improve student learning		
	• <i>Project work</i>: - During their course period both U.G and P.G students have to do a project. The faculty is always trying to inculcate research aptitude in students through their projects. • <i>Assignments</i>: - Assignments are compulsory component of degree and postgraduate courses. Through this students are provided feedback on their performance. • <i>Seminars</i>: - Degree and Postgraduate students are supposed to present a seminar on current social issues. Seminar enables the students to develop self confidence, ability to receive and respond to criticism. • <i>Academic Counseling</i>: - They are the means through which the students interact with teacher and get motivated in their pursuit for knowledge and also get clarifications on difficult areas of study. • <i>Endowment Lectures</i>: - Three Endowment Lectures are conducted under the auspices of the Department. ○ Prof. M. T Tharian Endowment lecture ○ Prof. N. C Mathewkutty Endowment lecture ○ Dr. R. M Mathew Endowment Lecture • <i>Quality Study Circle</i>: - It is an open discussion forum. • <i>Forum for Great Thoughts</i>: - To familiarize the philosophers and their thinking. • <i>Remedial Classes</i>: - For slow learners and the students belonging to SC/ST categories. • <i>ICT Method</i>: - Interactive board, LCD Projector, Projection Screens, Computer with internet connection etc. are made available in the smart class room. • <i>Lectures by Eminent Personalities</i>: - the Department often organises seminars and conferences and student participation is always promoted.		
34	Participation in Institutional Social Responsibility (ISR) and extension activities		
	Dr. K.K. Jose • Member, Catholic Council of India(2008-12) • Director of Student Services, M.G University, Kottayam (2005-08) • Secretary cum Treasurer of the Mar Augustinos College Trust, Ramapuram • Resource Person, Value Education to various institutions. • Resource Person, Pre-Marital Counseling Course, Diocese of Palai (2002-09) Dr. Shajimon K Mathews • State General Secretary, Kerala Congress, A State Political Party • Resource person on Human Rights Dr. Stany Thomas • Executive committee member and Hon. Treasurer, Total Response to Alcohol and Drug Abuse (TRADA) - an organization Sponsored by Ministry of Social Justice, New Delhi, which works in the field of temperance movement and it is recognized by the UNESCO. • Observer for UGC-NET Exams in different states. Fr. Mathew Kurian • Bursar of the College since 2008.		

	Sijo K. Manuel • Board Member – St. Thomas College Co Operative Society, No. 4175 (2012 - George Joseph • NCC Army (SD) since December 2012
35	SWOC analysis of the department and future plans
	(a) SWOC analysis
	Strength
	• Eminent Alumni including Former VC, Ex MLA, etc. • There are 3 teachers with PhD and one having M.Phil. • Two teachers are research guides. • It's a Dept. with 12 research guides. • There are eminent sports persons from the dept. at national and international level. • Two teachers are doing PhD. • Giving opportunity to students to participate in Election Survey.
	Weakness
	• Lack of adequate infrastructural facilities. • Lack of ICT equipments.
	Opportunity
	• Lot of opportunities have been given to students for co-curricular activities. • Collaboration in Indo-US Exchange Programme
	Challenges
	• Talented students go outside Kerala for higher studies so that average students get admissions here.
	(b) Future plans
	• The Quality Study Circle consisting of faculty members and research scholars of the department will conduct open discussion forums. This will be documented and published in website. In this open discussion forum the public can also share their opinion. • The Department is planning to have a tie up with Palai Municipality as part of its extension activities. As part of this programme we intend to impart a practical training to students on the decentralization process in the local administration and governance especially in e- governance. • Student peer teaching. • To start a Centre for Human Rights Studies.

1	Name of the Department			DEPARTMENT OF COMMERCE			
2	Year of Establishment			1961			
3	Names of Programmes/ Courses offered			B.Com, M.Com, Ph.D, Certificate in Computerized Financial Accounting using Tally (UGC-COP)			
4	Names of Interdisciplinary Courses and the Departments/units involved			Fundamentals of Accounting– Open Course offered to the fifth Semester U.G. students			
5	Annual/semester/choice based credit system (programme wise)			B.Com. – CBCSS M.Com. – CSS Ph.D. – Semester (Course Work)			
6	Participation of the Department in the Courses offered by other Departments			Various Departments offer the Open Course Paper and our U.G. students opt from them.			
7	Courses in collaboration with other Universities,industries, foreign institutions			Academic Collaboration with ICAI in offering oral coaching classes for Common Proficiency Test (CPT)			
8	Details of courses /programmes discontinued (if any)with reasons.			Nil			
9	Number of teaching posts.						
	Posts		Sanctioned		Filled		
	Professors		Nil		Nil		
	Associate Professors		2		2		
	Assistant Professors		7		6		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Experi-ence (in years)	No. of Ph.D. Students guided for the last 4 years
	1	Sunny Joseph	M.Com, PhD	Associate Professor	Financial Management	31	--
	2	K.V. John	M.Com, P.G.D.P.D	Associate Professor	Financial Management	25	--
	3	Bobby Simon	M.Com, M.Phil, PGDCA	Assistant Professor	Finance	6	--
	4	Tejil Thomas	M.Com	Assistant Professor	Financial Management	4	--
	5	Babu Jose	M.Com, B.Ed, M.Phil, PhD.	Assistant Professor	Finance	2	--
	6	Binoy Chacko	M.Com	Assistant	Finance	2	--

				Professor				
	7	James Varghese	M.Com	Assistant Professor	Accounting and Taxation	1	--	
	8	Jinu Mathew	M.Com	Assistant Professor	Finance	1	--	
	9	Joshin Joseph	M.Com.	Guest Lect.	Finance	1	--	
11	List of senior visiting faculty			Nil				
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.							
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	U.G.	5	3	3	5	--	--	
	P.G.	6	3	3	6	--	--	
13	Student-Teacher ratio (programme wise):							
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	U.G. (Core)	45:1	45:1	45:1	45:1	45:1	45:1	
	P.G.(Core)	8:1	8:1	8:1	8:1	8:1	8:1	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.					Sanctioned –Nil Filled -Nil		
15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/M.Phi I/ P.G.		Number of present faculty members with highest degree					
Ph.D.			M.Phil.		M.Com.			
2			1		6			
	*Qualification of each faculty is given in item No.10 above.							
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received. (a) National							
	Faculty	Title of Project			Major/ Minor	Duration	Agency	Grant Received
	Dr. K.V. Thomas (PI) Bobby Simon (Co- PI)	Microfinance-An Alternative Approach to Financial Inclusion, Women Empowerment and Sustainable Income Generation-A Case Study of Kudumbasree Initiative in Kerala			Major	2009 onwards	UGC	5,73,800
	Tejil Thomas	Unveiling the Unlimited Tourism Potentials of Kerala Backwaters through Community Participation			Minor	2014-2015	UGC	30,000
	Dr. Babu Jose	Financial Literacy – Study on Financial Literacy of Women in Kottayam District, Kerala			Minor	2014-2015	UGC	37,500
	Prof. Binoy	Impact of Board Composition on Financial Performance: A study with			Minor	2014-2015	UGC	67,500

	Chacko	special reference to selected companies listed on BSE.				
	Bobby Simon	Innovation Management of Micro, Small and Medium Enterprises	Minor	2014-2015	UGC	37,500
	Dr. V.V. George-kutty	Entrepreneurship Awareness among the students of Arts and Science Colleges in Kerala	Minor	2008-2010	UGC	
	Dr. Sunny Joseph	Socioeconomic Impact of NRI Remittances – A Case study of Malappuram District of Kerala	Minor	2009 onwards	UGC	48000
	(b) International: Nil					
17	Dept. projects funded by DST-FIST;UGC,DBT,ICSSR, KSCSTE etc. and total grants received: Nil					
18	Research Centre/facility recognized by the University: The Department is a recognized Research Centre of the Mahatma Gandhi University since 1998. It has 5 Research Guides attached to it and they supervise the research of 25 scholars (10 fulltime and 15 part-time). This Research Centre has already produced 9 PhDs. The College Library has a good collection of reference books and journals for the use of the researchers. The University Study Centre with its INFLIBNET offers access to 4000 plus reference journals and this is a rare facility to our researchers. The Department was elevated as an accredited PhD Course work centre by Mahatma Gandhi University, Kottayam, in the academic year 2012-2013.					
19	Publications: (a) Books/ Monographs					
	Faculty	Title of Books/ Monographs Authored /Edited	Publisher and Year ISBN			
	Bobby Simon	E-Commerce and General Informatics.	Kalyani Publishers, New Delhi, 2010 ISBN 978-93-272-1301-0			
	Babu Jose	Futures Market- Determinants of Indian Futures Market	Lambert Academic Publishing, Germany, 2013 978-3-659-32604-2			
	M.M. Abraham	Principles of Life Insurance	Prakash Publications, Changacherry, 2009			
	M.M. Abraham	Corporate Governance and Regulations	Prakash Publications, Changacherry, 2009			
	M.M. Abraham	Business Communication and Management Information System	Prakash Publications, Changacherry, 2010			
	Babu Jose	Financial Derivatives, Concepts, components and functions	New Century Publications, Delhi, 2011, ISBN 978-81-7708-297-5			
	Babu Jose	Economy and Stock Market	VDM Publisher, Germany,2010, ISBN:978-3-639-23753-5			
	(b) Journal Papers					
	Authors	Title	Journal Details			Year
	Bobby Simon	U.S. Credit Crisis: Fall inevitable.	Kerala Calling, Vol. 29,			2008

			No. 2, 26-29.	
	Bobby Simon	Issue and Progress of Priority Sector Lending in India.	Research Lines, Vol. 1, No. 1, 62-66	2008
	Bobby Simon, C Thomas Sebastian	A walk on the Issues of Global Financial Crisis.	Research Lines, Vol. 1, No. 2, 57-63.	2008
	Bobby Simon C Thomas Sebastian	Interactive Customer Relationship Management – A Strategic Management tool for Banks.	Research Lines, Vol. II, No.2, 64-67.	2009
	V.V. Georgekutty	Women Empowerment: A New Thrust Area of CSR in the Indian Context.	Research Lines, Vol.2, No. 1, 122-127.	2009
	V.V. Georgekutty, Bobby Simon	Marketing of E-Banking Services in India: An Overview.	Baselius Researcher, Vol. X No.2, 78-86.	2009
	V.V. Georgekutty, Bobby Simon	Financial Inclusion: A Challenging Target for Banks in India.	KEGEES Journal of Social Science, Vol.2,No.1, 147-153.	2010
	V.V. Georgekutty	Impact of Recession on Work-Life Balance and Strategies to be adopted by HR Professionals.	Research Lines, Vol. III, No. 1, 71-75.	2010
	K.V. Thomas, Bobby Simon	Gender equality, the way to women empowerment.	Research Lines Vol. IV, No. 2, 168-172.	2011
	Tejil Thomas	A descriptive approach to tourist experience at rural tourist destinations in Kerala.	Man-age, DCMS J. of Management, Vol. 6, 1-2, 21-30.	2012
	Babu Jose, D. Lazar	Is there a dominant role for futures market in India.	Journal of Business and Economics Vol.3 No.4, 295-307.	2012
	Babu Jose, D. Lazar	Should investor invest in both futures and spot market? An analysis through optimal hedge ratio	Asian business review, Vol. 1, Issue 1, 21-30.	2012
20	Areas of consultancy and income generated: Nil			
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards			
	Faculty	Membership	Year	
	Dr. V.V. Georgekutty	Managing Editor, “Teachers Voice” published by Kerala Private College Teachers Association	2010	
	Dr. V.V. Georgekutty	Subject Expert for Commerce, MGU, Kottayam	2011	
	Dr. V.V. Georgekutty	Member Senate, Mahatma Gandhi Umniversity	2009	
22	Student Projects (a) Percentage of students who have done in-house projects including inter-departmental programme (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies (i) U.G. Programme			

	Final Year of the Programme					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
(a)	-	--	--	100	100	100
(b)	--	--	--	--	--	--
(ii) P.G. Programme						
	Final Year of the Programme					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
(a)	100	100	100	100	100	100
(b)	--	--	--	--	--	--
23	Awards/ recognitions received by faculty and students:					
	Year	Name	Student/ Faculty	Recognition/ Award	Awarded by	
	2013	Abhijith PS	Student	II Prize in Business Quiz	Deva Matha College, Kuravilangad	
	2013	Anand Wilson	Student	II Prize in Business Quiz	Deva Matha College, Kuravilangad	
	2013	Rahul R Nair	Student	III Prize in Business Quiz	Deva Matha College, Kuravilangad	
	2013	Sreejith Chandran	Student	III Prize in Business Quiz	Deva Matha College, Kuravilangad	
	2013	Suresh TS	Student	II Pize in Best Management Team	JPM College Labbakkada	
	2013	Jins Joseph	Student	II Pize in Best Management Team	JPM College Labbakkada	
	2013	Tomin Baby	Student	II Pize in Best Management Team	JPM College Labbakkada	
	2013	Toshiro Tom	Student	II Pize in Best Management Team	JPM College Labbakkada	
	2013	Aby V Joseph	Student	I Prize in Treasure Hunt	JPM College Labbakkada	
	2013	Jepson George	Student	I Prize in Treasure Hunt	JPM College Labbakkada	
	2013	Paul P Sam	Student	I Prize in Treasure Hunt	JPM College Labbakkada	
	2013	Jobin Joseph	Student	I Prize in Treasure Hunt	JPM College Labbakkada	
	2013	Anand Wilson	Student	II Prize in Business Quiz	Marian College Kuttikkanam	
	2013	Jithin Xavior	Student	II Prize in Business Quiz	Marian College Kuttikkanam	
	2013	Rahul R Nair	Student	I Prize in IT Quiz	Marian College Kuttikkanam	
	2013	Sreejith Chandran	Student	I Prize in IT Quiz	Marian College Kuttikkanam	

2013	Albin Mathew	Student	II Prize in Product Launch	Marian College Kuttikkanam
2013	Arun Krishna	Student	II Prize in Product Launch	Marian College Kuttikkanam
2013	Shijo Joy	Student	II Prize in Product Launch	Marian College Kuttikkanam
2013	Aravind Sankar	Student	II Prize in Product Launch	Marian College Kuttikkanam
2013	Bibin Raj	Student	II Prize in Product Launch	Marian College Kuttikkanam
2013	Anand Wilson	Student	III Prize in Business Quiz	St. Alberts College Ernakulam
2013	Jithin Xavior	Student	III Prize in Business Quiz	St. Alberts College Ernakulam
2013	Rahul R Nair	Student	II Prize in Business Quiz	St. Alberts College Ernakulam
2013	Luke P Issac	Student	II Prize in Business Quiz	St. Alberts College Ernakulam
2013	Anand Wilson	Student	III Prize in Business Quiz	MIIM Kuttikkanam
2013	Jithin Xavior	Student	III Prize in Business Quiz	MIIM Kuttikkanam
2013	Rahul R Nair	Student	I Prize in Business Quiz	Baselious College Kottayam
2013	Jithin Xavior	Student	I Prize in Business Quiz	Baselious College Kottayam
2013	Anand Wilson	Student	II Prize in Business Quiz	Baselious College Kottayam
2013	Abhijith PS	Student	II Prize in Business Quiz	Baselious College Kottayam
2013	Abhijih PS	Student	II Prize in Business Quiz	Assumption College Chenganancherry
2013	Anand Wilson	Student	II Prize in Business Quiz	Assumption College Chenganancherry
2013	Abhijith PS	Student	I Prize in Business Quiz	Nirmala College Muvattupuzha
2013	Anand Wilson	Student	I Prize in Business Quiz	Nirmala College Muvattupuzha
2013	Alphin T Kallani	Student	II Prize in IPL Auction	Nirmala College Muvattupuzha
2013	Anandhu Purushothaman	Student	II Prize in IPL Auction	Nirmala College Muvattupuzha
2013	Jins Joseph	Student	II Prize in IPL Auction	Nirmala College Muvattupuzha
2013	Sony Jacob	Student	II Prize in IPL	Nirmala College Muvattupuzha

			Auction	
2013	Abhijith PS	Student	I Prize in Business Quiz	KG College Pampady
2013	Anand Wilson	Student	I Prize in Business Quiz	KG College Pampady
2013	Josvin Joy	Student	I Prize in Business Quiz	SH College Thevara
2013	Vineeth Johny	Student	I Prize in Business Quiz	SH College Thevara
2013	Josvin Joy	Student	I Prize in Business Quiz	Newman College Thodupuzha
2013	Vineeth Johny	Student	I Prize in Business Quiz	Newman College Thodupuzha
2013	Abin Jolly	Student	II Prize in Stock Game	Newman College Thodupuzha
2013	Ajeesh Arjun	Student	II Prize in Stock Game	Newman College Thodupuzha
2013	Abin Saji	Student	II Prize in Stock Game	Newman College Thodupuzha
2013	Sony Dominic	Student	II Prize in Stock Game	Newman College Thodupuzha
2013	Josvin Joy	Student	I Prize in Business Quiz	SGIT Ernakulam
2013	Vineeth Johny	Student	I Prize in Business Quiz	SGIT Ernakulam
2013	Josvin Joy	Student	I Prize in Business Quiz	St. Mary's College Manarcadu
2013	Vineeth Johny	Student	I Prize in Business Quiz	St. Mary's College Manarcadu
2013	Josvin Joy	Student	II Prize in Business Quiz	JBS Perumpavoor
2013	Vineeth Johny	Student	II Prize in Business Quiz	JBS Perumpavoor
2013	Josvin Joy	Student	II Prize in Business Quiz	Amrutha School of Business, Kochi
2013	Vineeth Johny	Student	II Prize in Business Quiz	Amrutha School of Business, Kochi
2013	Luke P Issac	Student	III Prize in Business Quiz	Amrutha School of Business, Kochi
2013	Rahul R Nair	Student	III Prize in Business Quiz	Amrutha School of Business, Kochi
2013	Don Tom	Student	II Prize in IPL Auction	MBC Kuttikkanam
2013	Alwin Tom	Student	II Prize in IPL Auction	MBC Kuttikkanam

	2013	Bebin George	Student	II Prize in IPL Auction	MBC Kuttikkanam	
	2013	Dominic Itty Joseph	Student	II Prize in IPL Auction	MBC Kuttikkanam	
	2013	Abin Jolly	Student	II Prize in Business Quiz	De Paul College, Angamaly	
	2013	Luke P Issac	Student	II Prize in Business Quiz	De Paul College, Angamaly	
	2014	On 07-02-2014	Students	Overall Championship in CAUSERIE	SB College Chenganacherry	
	2014	On 1-2-2014	Students	Overall Championship in IRIS	St. George College Aruvithura	
	2014	On 19-2-2014	Students	Overall Championship in ESTADIO	SD College Kanjirappally	
24	List of eminent academicians and scientists/visitors to the department.					
	Name & Position of the eminent visitor		Occasion/ Purpose		Date of Visit	
	K.M.Mani, Hon. Minister of Finance, Law & Housing		UGC Sponsored National Seminar on Direct Tax Code and Goods and Services Tax- The Future Tax Regime in India		15-16/12 2011	
	Babu Abraham Kallivayalil F.C.A, Former Chairman, SIRC, ICAI		UGC Sponsored National Seminar on Direct Tax Code and Goods and Services Tax- The Future Tax Regime in India		15-16/12 2011	
	Mohanan Kuttikkatt F.C.A, Associate of Menon & Ayyar Chartered Accountants		UGC Sponsored National Seminar on Direct Tax Code and Goods and Services Tax- The Future Tax Regime in India		15-16/12 2011	
	Dr. K.P. Pradeep, Advocate, High Court of Kerala		UGC Sponsored National Seminar on Direct Tax Code and Goods and Services Tax- The Future Tax Regime in India		15-16/12 2011	
	Adv. Shanmugham D. Jayan, Associate Lawer, Vijayaraghavan & Devi Advocates		UGC Sponsored National Seminar on Direct Tax Code and Goods and Services Tax- The Future Tax Regime in India		15-16/12 2011	
	V. Sathyanarayanan F.C.A, Senior Partner, Varma & Varma Chartered Accountants		UGC Sponsored National Seminar on Direct Tax Code and Goods and Services Tax- The Future Tax Regime in India		15-16/12 2011	
25	Seminars/Conferences/Workshops organized and the source of funding: (a) National					
	Programme	Topic/ Area		Dates	Funding Agency	Amount Received
	National	Direct taxes Code & GST		15,16-Dec.	UGC	50,000

	Seminar		2011		
	(b) International: Nil				
26	Student profile programme/course wise:(a) U. G. Programme				
	Year	Applicationsreceived	Selected	Enrolled	Pass %
				Male	Female
	2008-09	481	53	53	--
	2009-10	475	54	54	--
	2010-11	447	60	60	--
	2011-12	448	59	59	--
	2012-13	490	64	64	--
	2013-14	476	62	62	--
	(b)P.G. Programme				
	Year	Applications received	Selected	Enrolled	Pass %
				Male	Female
	2008-09	185	16	3	13
	2009-10	190	16	6	10
	2010-11	170	17	9	8
	2011-12	148	17	9	8
	2012-13	152	19	7	12
	2013-14	190	19	8	11
	(c) Ph.D.				
	Year	Admitted	Awarded	Ongoing	Dropouts
	2008-09	3	3	1	6
	2009-10	1	0	2	10
	2010-11	2	1	--	11
	2011-12	0	0	--	14
	2012-13	0	0	--	14
	2013-14	4	4	--	14
27	Diversity of students				
	Year	Name of the Course	% of students from the same state	% of students from other states	% of students from Abroad
	2008-09	U. G.	100	--	--
		P.G.	100	--	--
		Ph.D.	100	--	--
	2009-10	U.G.	100	--	--
		P.G.	100	--	--
		Ph.D.	100	--	--
	2010-11	U.G.	100	--	--
		P.G.	100	--	--
		Ph.D.	100	--	--
	2011-12	U.G.	100	--	--
		P.G.	100	--	--

	2012-13	Ph.D.	100	--	--		
		U.G.	100	--	--		
		P.G.	100	--	--		
		Ph.D.	100	--	--		
	2013-14	U.G.	100	--	--		
		P.G.	100	--	--		
		Ph.D.	100	--	--		
28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.?-						
	No. of students qualified NET in the year						
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	4	3	6	6	2	--	
29	Student progression against % enrolled						
	Final Year	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	57.40	56.36	70	49.19	-	-
	PG to M.Phil.	-	-	-	6.25	-	-
	P.G. to Ph.D.	-	-	-	5	-	-
	Ph.D. to Post-Doctoral	-	-	-	-	-	-
	Employed Campus Selection Other than Campus recruitment	-- 25.92	-- 5.45	6 12	18.18 33.72	-- --	-- --
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and students		Class rooms with ICT facility	No. of PCs in the Dept.		
	The College Library is subscribing 12 Journals related with commerce and management. Total books on commerce related subjects Available at central library – 5120. Commerce related books available at M.G University study centre- 615	Faculty members and students are able to use Wi-Fi internet facility set up at the Department. Moreover, the centralized computer centre of the College provides internet access to students of the Department.		5	6		
31	Number of students receiving financial assistance from college, university, government or other agencies.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Central Sector Scholarship	--	--	8	10	24	13
	KSHEC Scholarship	--	--	5	5	8	3
	Kerala State Suvarna Jubilee Merit	--	--	--	1	5	4

	Scholarship						
	Post Matric Scholarship	1	1	2	3	13	22
	Scholarship from College	1	2	1	1	1	1
	Indira Gandhi Scholarship for Single girl child	1	---	1	--	2	2
	UGC Scholarship for SC/ST/Minority	1	1	1	1	1	--
	KPCR	38	30	5	8	8	15
	SC	25	26	27	30	28	12
	ST	10	10	11	10	10	8
	OBC	7	6	2	3	2	3
	PH Scholarship	--	--	--	--	--	2
32	Details on student enrichment programmes (special lectures/workshops/seminar)with External experts						
	Programme	Expert					Year
	Seminars seminar on 'Marketing Management'	Dr. M.D. Baby, SD College Kanjirappally					2008
	Career orientation seminar	Faculty, ICFAI National College, Kottayam					2008
	Management Education Seminar	Faculty, ICFAI National College Kottayam.					2008
	Endowment Lecture	Dr. Sunnykkutty Thomas, St. Dominics College, Kanjirappally					2008
	Workshop on soft skills and confidence building	Prof. Tomy Cherian, STC Pala					2008
	Seminar on "Socialism – a reality or myth?"	Sri. K.M. Mani MLA					2009
	Seminar on 'Corporate Social Responsibilities'	Dr. Stephen Mathew, Principal SB College Changanacherry					2009
	Seminar on Capital Market	JRG Securities Ltd					2009
	Career guidance seminar	Mr. Sibi K.C FCA					2009
	Seminar on Accounting Awareness	Mr.Sibi K.C. FCA					2009
	Professional orientation seminar	NIIT, Kochi					2009
	'Investment awareness seminar'	ICICI Kottayam					2009
	Seminar on 'Sustainable Development'	Dr.T.V.Muraleevallabhan					2009
	Seminar on 'Practical Banking'	Mr.K.J Chacko, Manager, South Indian Bank					2009
	Workshop named 'Reaching for the stars'	Prof. Tomy Cherian and team					2009
	Endowment lecture on 'Accounting Awareness'	Mr. Saji Antony, FCA					2009

	Career orientation seminar	Ciby K.C, FCA, and Anumol George MBA of Logic Institute of Commerce, Thodupuzha.	2010
	Orientation program for management education	Internal	2010
	Seminar on opportunities and challenges of Chartered Accountancy	Ciby K.C, FCA, Nidhin Jacob and Anumol George MBA of Logic Institute of Commerce, Thodupuzha	2010
	Computer awareness seminar	Renu Krishnan, Liz Salim, Mathew Joseph and sumesh from G-Tech Computers, Pala.	2010
	Seminar on E-taxation	Ciby K.C, FCA, of Logic Institute of Commerce, Thodupuzha	2010
	Seminar on CAT /MAT	Alphonsa Cyriac of IMS learning centre Kottayam	2010
	Seminar on career awareness	Dr. Kurian Joseph and team of S.D College Kanjirappally	2010
	Seminar on Higher education prospects abroad	Miss.Victoria Sukhiaa, MD, Southern Seas Education- The International Education Boutique, Mumbai.	2010
	A workshop on how to prepare for the success of group discussion in the interview program	Mr. Gee Varghese, Asst. Professor, RCBS Kochi	2012
	A program on industrial interaction with students	Mr. Jose Mambarambil, MD, Malabar rubber, Pala	2012
	Panel discussion on financial reforms and its effect in Indian economy	Alex Babu (MD, Hedge Equities), CA. Jomon K. George (FCA) and Manu G. Kappan (Academician)	2012
	A seminar on how to conquer the stock market volatility in the present scenario	Mr. Sangheeth. C. Cherian (Financial Analyst, Hedge Equities),	2012
	Discussion on Union Budget -2013	Babu Abraham (FCA), Cherian Nellikathuru (industrialist), CA. Jem Abraham (FCA)	2012
	Seminar on NPA Management	T. K. Vijayan Nair, AGM, Indian Bank	2013
	Workshop on Careers in Finance	Mr. Manu Kappan, ACCA	2014
	Seminar on Recent Trends in Indian Capital Market	Mr. Manu J. Vettickan, DR, Ministry of Finance, Govt. of India	2013
33	Teaching methods adopted to improve student learning		
	• ICT aided lectures • Group discussion on the topics in the syllabus • Case studies • Peer teaching • Academic quiz • Extempore Seminars		

	- Field work - Project work
34	Participation in Institutional Social Responsibility (ISR) and extension activities The Department offers altruistic support for the ISR of the College. The Blood Donation Forum of the College is functioning well under the leadership of Prof. K.V. John of the Department. Students and faculty members of the Department actively participate in the activities of NSS and NCC.
35	SWOC analysis of the department and future plans. (a) SWOC analysis Strength - High demand for the programmes on offer. - Active participation of Students, Parents and Alumni in the activities of the Department. - Remarkable students' achievements. - Excellent track record of placements - Organizes Seminars for academics and competitions for students. - Good infrastructure and well-furnished class-rooms - Good Library with all modern facilities - Peer teaching, Student Support Schemes and Scholarships - Vibrant Alumni Association and active Commerce Forum - Active support and involvement in extension activities of the College - Very low dropout ratio - Highly qualified faculty with four young teachers, from various universities - Students with good academic background - ICT aided classes and Seminars - Best innovative teaching and learning practices Weakness - Limited freedom in developing curriculum - Loss of working days due to extraneous factors - Research publications and contributions are not remarkable - Consultancy services are not remarkable - Industry collaboration is lacking and the interaction with industry is not very effective. Opportunity - Offer Add on/Certificate Courses for promoting employability of students - Establish collaboration with industries and ensure the participation of industrialists in the activities of the Department. - Improve consultancy services. - Offer more programmes of new generation. - Establish a full-fledged research centre leading to significant contributions to the community. - Design programmes to fulfill social responsibility Challenges - To achieve 100% results

	• To secure more placements • To achieve 100% doctoral literacy among faculty
	(b) Future plans
	• The Department of Commerce wishes to set up a Commerce Lab, which can provide practical skills to our students to enhance their employability and comprehension. • As part of the Institutional Social Responsibility (ISR) and also Social/Industry Interaction Initiatives, the Department plans to form different Cells (to say Insurance Awareness among rural poor, Financial Literacy Mission, etc) and will conduct awareness/consultancy programmes. • Our students win a lot of prizes in intercollegiate commerce and management fests. It shows their urge for excellence. We plan to conduct Quiz programmes/ other competitive events in schools to cultivate business/economic aptitude in the younger ones. • In this dynamic world of commerce only those who are innovative can lead and survive. Thus educational institutions need develop new teaching models, need to create/source new capabilities etc. With this strategic intent we are conceptualizing a Financial Research Laboratory which can promote innovativeness among teachers and students to evolve innovative financial products/processes.

1	Name of the Department	DEPARTMENT OF PHYSICAL EDUCATION					
2	Year of Establishment	1953					
3	Names of Programmes/ Courses offered	B.Sc Recreation Leisure & Sports Studies					
4	Names of Interdisciplinary Courses and the Departments/units involved	Physical, Health and Life Skill Education– Open Course offered to the fifth Semester U.G. students					
5	Annual/semester/choice based credit system (programme wise)	Semester/choice based credit system					
6	Participation of the Department in the Courses offered by other Departments	Our U.G. students will opt from the Open Courses offered by other departments in their V semester					
7	Courses in collaboration with other Universities, industries, foreign institutions	Sports training scheme in the game of Volleyball and Athletics with Kerala State Sports Council					
8	Details of courses /programmes discontinued	Nil					
9	Number of teaching posts:						
	Posts		Sanctioned			Filled	
	Professors		--			--	
	Associate Professors		1			1	
	Assistant Professors		3			3	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Expe- rience	No. of Ph.D. Students guided for the last 4 years
	1	Raju Thomas	MPE, NIS- Diploma in coaching	Asso. Professor	Volley Ball	23	--
	2	Ashish Joseph	MPE, PGDSM AITA Level 3.	Asst. Professor	Sports Psychology	8	--
	3	Sanish Lukose	MPE, MBA	Asst. Professor	Sports Physiology	1	--
	4	Bintu.T. Kalyan	M.P.Ed, M.Phil.	Asst. Professor	Hockey , Football	1	--
	5	S. Manoj	BPE, NIS- Diploma in coaching	Coach	Volley Ball	20	--
	6	Dr. George Emmanuel	Ph.D, MA, M.P.Ed, NIS Diploma in	Coach	Athletics	16	--

			coaching.						
11	List of senior visiting faculty								
	1. Dr. Sebastian Lukose		5. Thankachan Mathew						
	2. Sajeew C Nair		6. Sr. Julie						
	3. Tiny Maria Mathew		7. Blesson K James						
	4. Nimmy K James								
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.								
			2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	U.G.	Theory	--	--	--	--	--	30	
		Practical	--	--	--	--	--	20	
	P.G.	Theory	--	--	--	--	--	--	
		Practical	--	--	--	--	--	--	
13	Student-Teacher ratio (programme wise):B.ScRecreation Liesure & Sports Studies								
			2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
	U.G. (Core)		--	--	--	--	--	4:1	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.						Sanctioned – 2 Filled -2		
15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/ M.Phil/ P.G.		Number of present faculty members with highest degree						
Ph.D.			M.Phil.		M.P.Ed.		B.P.Ed.		
1			1		3		1		
	*Qualification of each faculty is given in item No.10 above.								
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received.								
	(a) National								
	Faculty	Title of Project			Major/ Minor	Duration	Agency	Grant Received	
	Ashish Joseph	Relationship between Age and Injury mechanism among female volleyball players of Kerala			Minor	18months	UGC	60000	
	(b) International: Nil								
17	Dept. projects funded by DST-FIST;UGC,DBT,ICSSR, KSCSTE etc. and total grants received.								
	Title of Project		Coordinator		Duration	Agency	Grant Received		
	Innovative Course – B.Sc Recreation Leisure & Sports Studies		Ashish Joseph		5 years	UGC	60 Lakhs + Salary of Two Assistant professors		
18	Research Centre/facility recognized by the University: Nil								

19	Publications: (a) Books/ Monographs			
	Faculty	Title of Books Authored	Publisher and Year	ISBN
	Ashish Joseph	Handbook of Rules & Regulations for Inter Collegiate sports	Physical Education Association M.G.U, Aug 2012	978-81-89085-50-6
	(b) Journal Papers			
	Year	Faculty	Number of papers in peer reviewed National/ International Journals	Remarks, if any. (Impact Factor, Citation Index etc.)
	2013	BINTU. T. KALYAN	3	National Level
20	2014	BINTU. T. KALYAN	3	2 National and 1 International
20	Areas of consultancy and income generated: Nil			
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards: Nil			
22	Student Projects (a) Percentage of students who have done in-house projects including inter-departmental programme: NA (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies: NA			
23	Awards/ recognitions received by faculty and students			
	Year	Name	Student/ Faculty	Recognition/ Award
	2009	VIJITH VIJAYAN, II DC Zoology	Student	BRONZE MEDAL
	2009	ASWIN KUMAR, I MA Eco.	Student	BRONZE MEDAL
	2009	SUJUMON K S, I BA Eco.	Student	GOLD MEDAL
	2009	VIPIN FRANCIS, I M.Sc Chem.	Student	GOLD MEDAL
	2009	SREEJITH S, III BA Eco	Student	GOLD MEDAL
	2009	VIJITH, II B.Sc Zool.	Student	GOLD
	2010	ASWIN KUMAR	Student	GOLD
	2010	DILEEP VENUGOPAL	Student	GOLD
	2010	NIBU GEORGE	Student	BRONZE
	2010	JITIN RAJENDRAN	Student	GOLD
	2012	VIPIN FRANCIS	Student	SILVER
	2012	RIJAS MUHAMMED	Student	SILVER
	2012	SHINTO ELIAS	Student	SILVER

	2013	ANOOP D	Student	BRONZE	Association of Indian Universities		
	2013	ANISH	Student	BRONZE	Association of Indian Universities		
	2013	VISHNU	Student	BRONZE	Association of Indian Universities		
24	List of eminent academicians and scientists/visitors to the department.						
	Name	Position	Occasion/ Purpose			Duration of Visit	
	SKG Nair	Col & President NAF Kerala	Consultancy for developing adventure sports facility in the college			One day	
25	Seminars/Conferences/Workshops organized and the source of funding: Nil						
26	Student profile programme/course wise U. G. Programme						
	Year	Applications received	Selected	Enrolled		Pass %	
				Male	Female		
	2013-14	122	26	26	-	NA	
27	Diversity of students						
	Year	Name of the Course	% of students From the Same state	% of students from other states		% of students from Abroad	
	2013-14	U.G.	100	-		-	
28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.?-Nil						
29	Student progression against % enrolled						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	--	--	--	--	--	--
	PG to M.Phil.	--	--	--	--	--	--
	P.G. to Ph.D.	--	--	--	--	--	--
	Ph.D. to Post-Doctoral	--	--	--	--	--	--
	Employed						
	Campus Selection	--	--	--	--	--	--
	Other than Campus recruitment	3	5	4	2	4	--
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and students			Class rooms with ICT facility	No. of PCs in the Dept.	
	250 Books in Department Library	Wifi Internet facility available in the department and class rooms			2	5	
31	Number of students receiving financial assistance from college, university, government or other agencies.						

1	Name of the Department			DEPARTMENT OF BIOTECHNOLOGY & APPLIED MICROBIOLOGY			
2	Year of Establishment			2002			
3	Names of Programmes/ Courses offered			M.Sc. Biotechnology M.Sc. Applied Microbiology			
4	Names of Interdisciplinary Courses and the Departments/units involved			Biostatistics course is engaged by Department of Statistics, STC Palai.			
5	Annual/semester/choice based credit system (programme wise)			M.Sc. – CSS			
6	Participation of the Department in the Courses offered by other Departments			Two Staff members teach courses in M. Sc. Biostatistics.			
7	Courses in collaboration with other Universities,industries, foreign institutions			Nil			
8	Details of courses /programmes discontinued (if any)with reasons.			Nil			
9	Number of teaching posts:						
	Posts		Sanctioned		Filled		
	Ad-hoc Faculty		9		9		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designat-ion	Specialization	No. of Years of Experie-nce	No. of Ph.D. Students guided for the last 4 Years
	1	James Joseph	MSc, M Phil	Course coordinat or	Plant Biotechnology	34 yrs.	Nil
	2	Archana Cherian	M.Sc	Lecturer	Cell &Molecular biology,Cancer biology	7 yrs	Nil
	3	Noby Mathew	M.Sc Microbiology.	Lecturer	Medical Microbiology	4 yrs	Nil
	4	Jethinlalkhosh J. P	M.Sc, M. Phil Biochemistry	Lecturer	Clinical Biochemistry and Toxicology	4 yrs	Nil
	5	Anupama K.S.R.	M.Sc Microbiology	Lecturer	Industrial Microbiology	10 yrs	Nil
	6	Simi Jacob	M.Sc. Bioinformatics	Lecturer	Bioinformatics	5 yrs	Nil
	7	Praveena George	M.Sc Biotechnology	Lecturer	Molecular biology& Tissue culture	2yrs	Nil

	8	Lekshmi. S. Nair	M.Sc. Applied Microbiology	Lecturer	Virology &immunology	2yrs	Nil
	9	Faby Raiza Alexander	M.Sc Biotechnology	Lecturer	Molecular biology&immu nology	1	Nil
	10	Dr Vijay Bhaskar	M.Sc, Ph.D.	Lecturer	Biotechnology	1	Nil
11	List of senior visiting faculty			1. Dr. Joy Jacob, Dept of Statistics, STCP 2. Dr. Dennis Thomas, Dept of Botany, STCP			
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil						
13	Student-Teacher ratio (programme wise):						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Biotechnology	4:1	4:1	4:1	5:1	5:1	5:1
	Applied Microbiology	8:1	8:1	8:1	8:1	8:1	10:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled.					Sanctioned –2 Filled -2	
15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/M.Phil/ P.G.		Number of present faculty members with highest degree				
			Ph.D.		M.Phil.		M.Sc.
			1		2		7
*Qualification of each faculty is given in item No.10 above.							
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received: Nil						
17	Dept. projects funded by DST-FIST;UGC,DBT,ICSSR, KSCSTE etc. and total grants received: Nil						
18	Research Centre/facility recognized by the University: Nil						
19	Publications: (a) Books/ Monographs: Nil						
	(b) Journal Papers						
	Authors	Title			Journal Details		Year
	J P Jethinlalkhosh and V Lathika	Evaluation Of Cytotoxic And Free Radical Scavenging Properties Of Traditional Medicinal Plants			International Journal of Medicine and Pharmaceutical Science, Vol. 3, Issue 1, 45-50		2013
	J.P Jethinlalkhosh and V. Lathika	In vitro Antioxidant Activity and Total Phenolic Content of Traditional Medicinal Plants			Journal of Pharmacy Research 5(6),3236-3238		2012
	J.P Jethinlalkhosh and V. Lathika	Screening of phytochemical constituents and antimicrobial activity of traditional medicinal plants			International journal of research in pharmaceutical science 3(3), 461-465		2012
	J.P Jethinlalkhosh	Antibacterial and cytotoxic			International journal of		2013

	and Arun Antony	activity of aqueous and methanolic extracts of <i>Terminalia arjuna</i>			research in pharmaceutical science 4(1), 36-39		
20	Areas of consultancy and income generated: Nil						
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards: Nil						
22	Student Projects						
	(a) Percentage of students who have done in-house projects including inter-departmental programme						
	(b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies						
	(i) MSc Bio-Technology						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	80	80	80	80	80	100
	(b)	20	20	20	20	20	--
	(ii) M.Sc. Applied Microbiology						
		Final Year of the Programme					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
(a)	20	25	20	20	25	20	
(b)	80	75	80	80	75	80	
23	Awards/ recognitions received by faculty and students						
	Year	Name	Student/ Faculty	Recognition/ Award		Awarded by	
	2010	Mr. Arunkumar	Student	Second Place in Science Quiz		STC, PALA January, 2010	
	2011	Miss. Lincy Edattu, Miss. Lathika.V	Students	Secured admission in PhD at Central Uty. Kasargod		December 2011	
	2011	Miss Cynthia Mathew And Miss Juby Jacob	Student	First Place in Quiz (All Kerala)		Mt College Tvla. Jan 2011	
	2012	Rugma And Vysak	Students	II Prize Quiz		M T College Tiruvalla	
	2012	Remya R	Student	Best Paper Presentation		In Nat. Sem. In Stc 29 Mar2012	
	2013	Juby Jacob	Student	Inspire Scholarship		2013	
	2013	Miss Cynthia Mathew	Student	Won First Place In Paper Presentation		National Seminar In Jan	
24	List of eminent academicians and scientists/visitors to the department.						
	Name		Position		Occasion/ Purpose		Duration
	Dr G M Nair		HOD Central Uty, Kasargod		Science Day		One Day
	Dr Jency Blessen		Sree Buddha College,Alapuzha.		Nat Seminar Jan14 And 15 2013		Two Days
	Dr Sunny Kuriakose		Dept Of Chemistry		Bt Amb Assn Inaguration Dece.2011		I Day

	Dr. Vijay Bhaskar	Alagappa Uty	Workshop Held in The Dept.	Two Days 2011	
	Dr. Anitha Karun	CTCRI Kasargode	Nat Seminar	29/03/ 2012	
	Dr. Aniesh Prabhakaran	Universite Catholique De Lovain Belgium	Nat Seminar National Seminar	29-3-12	
	Dr. J. G. Ray	M. G. University Kottayam	National Seminar 29-3-12		
	Dr. Sreelatha Nair	Life Line Research Hospital Adoor	National Seminar	15-1-13	
	Dr. Suneesh Radhakrishnan	IISER Thiruvananthapuram Kerala	National Seminar	30-3- 2012	
	Dr. Sandhya S	IISC Bangalore Karnataka	National Seminar	30-3-12	
	Smt. Sherin John	Senior Scientist CDRI Lucknow	One Day Seminar	01/01/ 2013	
	Dr. Sherin H Kottoor	Imperial College, London	One Day Seminar	28/02/ 2013	
	Dr. P. G. Biju	University Of Kerala, Kariavattom	National Seminar	14/01/ 2013	
	Dr. B. S. Vijayakumar	Sri Sathya Sai Institute Of Higher Learning Prasanthinilayam Andra Pradesh	National Seminar	15-01-13	
	Dr. Virupaksha Gupta K. L	Seoul National University South Korea	National Seminar	15-01-13	
	Dr. Vipin M	S. B. College Changancherry	National Seminar	14/01/ 2013	
	Dr. Joseph Job	Regional Cancer Center Thiruvananthapuram	National Seminar	14/01/ 2013	
	Dr. Kuruvila Joseph	S. B. College, Changanacherry	National Seminar	14/01/ 2013	
	Mr. Christo Rajan	DRDO New Delhi	National Seminar	14/01/ 2013	
25	Seminars/Conferences/Workshops organized and the source of funding (a) National				
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received
	Workshop	PCR And PAGE	Oct 2010	Own, Association	3000
	National Seminar	Recent Trends in BT and AMB	29&30 2012	KSCSTE	15000
	National Seminar	Life Style Disorders	Jan14& 15 2013	KSCSTE	50000
	(b) International: Nil				

26	Student profile programme/course wise: (a) M.Sc. Biotechnology						
	Year	Applications received	Selected	Enrolled		Pass %	
				Male	Female		
	2008-09	30	11	1	10	75	
	2009-10	25	19	3	16	82	
	2010-11	24	3	2	1	63	
	2011-12	60	5	2	3	100	
	2012-13	82	12	1	11	40	
	2013-14	70	10	1	9	RA	
	(b) M.Sc. Applied Microbiology						
	Year	Applications received	Selected	Enrolled		Pass %	
				Male	Female		
	2008-09	115	12	1	11	92	
	2009-10	110	21	2	19	92	
	2010-11	105	19	8	11	95	
	2011-12	148	14	3	11	100	
	2012-13	143	18	2	16	100	
	2013-14	155	24	2	22	RA	
27	Diversity of students						
	Year	Name of the Course	% of students From the Same state	% of students from other states		% of students from Abroad	
	2008-09	BT	80	20		Nil	
		AMB	100	Nil		Nil	
	2009-10	BT	100	Nil		Nil	
		AMB	100	Nil		Nil	
	2010-11	BT	100	Nil		Nil	
		AMB	100	Nil		Nil	
	2011-12	BT	100	Nil		Nil	
		AMB	100	Nil		Nil	
	2012-13	BT	100	Nil		Nil	
		AMB	100	Nil		Nil	
	2013-14	BT	100	Nil		Nil	
		AMB	100	Nil		Nil	
	28	How many students have cleared national and state competitive examinations such as NET, SLET,GATE,Civil services, Defense services etc.?-					
		2008-09		2009-10		2010-11	
		1		1		1	
	29	Student progression against % enrolled					

		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	--	--	--	--	--	--
	PG to M.Phil.	5	5	10	--	--	--
	P.G. to Ph.D.	5	--	--	5	5	--
	Ph.D. to Post-Doctoral	--	--	--	--	--	--
	Employed						
	• Campus Selection	5	5	--	--	--	--
	• Other than Campus recruitment	80	75	80	70	65	--
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and students		Class rooms with ICT facility	Laboratories		
	We have 6540 books and 19 journals in the General Library and 180 books in the Department Library	Available in the department and computer labs		1	6 Labs:- Biochemistry Molecular biology Bioinformatics Microbiology Plant tissue culture Animal tissue culture		
31	Number of students receiving financial assistance from college, university, government or other agencies.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Central Sector Scholarship	2	1	1	1	2	2
	Post Matric Scholarship	1	1	2	4	3	6
	Scholarship from College	2	3	1	1	2	1
	Indira Gandhi Scholarship for Single girl child	1	1	2	2	4	5
	C H Muhammedkoya Scholarship	2	1	1	2	1	1
	Inspire Scholarship	--	1	--	--	--	--
	UGC Scholarship for SC/ST/Minority	2	1	2	1	2	1
32	Details on student enrichment programmes (special lectures/workshops/seminar)with External experts						
	Programme		Expert			Dates	
	Two Day Workshop On Food Safety Management Systems-ISO 22000		Mini Michael &Reshmi Devi Suraksha Consultancy Alappuzha			Nov 27 &28, 2012	
	Seminar On Bioinspired Innovations		Dr Sony Scaria, SB College Chry.			Nov 26, 2012	
	Seminar On Nanotechnology And Pharmacovigilance		Dr Sherin John, CRDL, Lucknow			Jan 01, 2013	

	Seminar On Immunology	Dr Sherin H Kottoor, TB Research Center,.Imperial College, London	Feb28, 2013
	Seminar On Cell Signaling	Dr Christo Rajan RCC,Tvm	Dec17, 2012
33	Teaching methods adopted to improve student learning		
	• Remedial Coaching • Tutorial System • Bridge Course • Certificate Course • NET Coaching		
34	Participation in Institutional Social Responsibility (ISR) and extension activities		
	• Blood Grouping of I Year Degree and PG Students of the College • Water Quality Testing for Public • Testing Potability of Water in Meenachil River • Advanced Science Awareness Programme for Higher Secondary Students		
35	SWOC analysis of the department and future plans		
	(a) SWOC analysis		
	Strength		
	• Good Academic Atmosphere and Peaceful Campus • Good Labs and Library • Qualified and Experienced, Motivated Faculty • Bridge and Remedial Coaching • Tutorial System • Internet Facility		
	Weakness		
	• Lesser Placement for BT Students • Not Enough Time for Completion of Syllabus in Each Semester • Lack of Proper Hostel Facility for Girls • Lack of ICT Facility in Class Rooms		
	Opportunity		
	• Better Placement for Students • Research Opportunities		
	Challenges		
	• Up-gradation of Knowledge of Teachers in Newly Introduced Syllabus Topics • Procurement of More Books in Dept. Library • Introduction of ICT Facility in Class Rooms.		
	(b) Future plans		
	• Conduct More Seminars in Thrust Areas • Mobilize More Books in Dept. Library • More Extension Activities • Subscribe More Journals • Collection of more e-books. • To Start Interdisciplinary Lecture Series 'Erudite'		

1	Name of the Department		DEPARTMENT OF COMMUNICATIVE ENGLISH				
2	Year of Establishment		1996				
3	Names of Programmes/ Courses offered		B.A.in English Literature & Communication Studies				
4	Names of Interdisciplinary Courses and the Departments/units involved		The open course, Human Rights in India is handled by the Dept. of Politics.				
5	Annual/semester/choice based credit system (programme wise)		B.A. – CBCSS				
6	Participation of the Department in the Courses offered by other Departments		Nil				
7	Courses in collaboration with other Universities,industries, foreign institutions		Nil				
8	Details of courses /programmes discontinued (if any)with reasons.		Nil				
9	Number of teaching posts.						
	Posts		Sanctioned			Filled	
	Ad-hoc Faculty		8			8	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Expe- rience	No. of Ph.D. Students guided for the last 4 years
	1	V.O.Chummar	M.A.	Coordinator	Translation	42 years	Nil
	2	Thomas Jacob	M.A.	Lecturer	Literature	30	Nil
	3	Tom K V Varghese	M.A, B.Ed.	Lecturer	Linguistics	33	Nil
	4	Joseph Mathew	M.Sc.	Visiting Professor	Film Studies	40	Nil
	5	Raju Mathew	M.A.	Lecturer	Journalism	8	Nil
	6	Josit Maria	M.A, B. Ed	Guest Lecturer	English	4	Nil
	7	Tintu	M.A.	Guest Lecturer	Human Rights In India	1	Nil
	8	Fathima Shan	M.C.J	Guest Lecturer	Public Relations& Advertising	1	Nil

11	List of senior visiting faculty			1. Prof. Joseph Mathew 2. Sri. Benny Kurian			
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil						
13	Student-Teacher ratio (programme wise):						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. (Core)	12:1	12:1	12:1	12:1	12:1	12:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled. N/A					Sanctioned –Nil Filled –Nil	
15	Qualifications of teaching faculty with DSc/D.Litt/Ph.D/M.Phi I/ P.G.		Number of present faculty members with highest Degree				
			M.A.		M.Sc.		M.C.J.
			6		1		1
	*Qualification of each faculty is given in item No.10 above.						
16	Number of faculty with ongoing projects from a) National b) International funding agencies and the grants received: Nil						
17	Dept. projects funded by DST-FIST;UGC,DBT,ICSSR, KSCSTE etc. and total grants received. Nil						
18	Research Centre/facility recognized by the University: Nil						
19	Publications: Nil						
20	Areas of consultancy and income generated: Nil						
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards: Nil						
22	Student Projects						
	(a) Percentage of students who have done in-house projects including inter-departmental programme						
	(b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies						
	B.A.in English Literature & Communication Studies						
		Final Year of the Programme					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	(a)	--	--	--	100	100	100
	(b)	--	--	--	--	--	--
23	Awards/ recognitions received by faculty and students.						
	Year	Name	Student/ Faculty	Recognition/ Award		Awarded by	
	2013	Smruthi Mohan	Student	Near East Sub-Saharan Africa Undergraduate Exchange Programme NESU URGAD		Utica College of Syracuse University, USA	
24	List of eminent academicians and scientists/visitors to the department. Nil						
	Name		Position		Occasion/ Purpose		Duration of Visit

	Mrs. Leela Menon	Eminent Journalist	Media Seminar	8-9-2010		
	Mrs. Shani Prabhakaran	News Analyst	Media Seminar	16-9-2011		
	Shri. Joshy Mathew	Film Director	Media Seminar	8-9-2010		
	Shri. T.V.Chandran	Film Maker	Media Seminar	15-9-2011		
	Shri. Mecartin	Film Director	Media Seminar	31-1-2013		
	Shri. Ahmad Vaseem	Advertising Expert	Media Seminar	31-1-2013		
25	Seminars/Conferences/Workshops organized and the source of funding (a) National					
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received	
	Seminar	Media	8-9-2010	Local Sponsors	75,000/-	
	Seminar	Media	16-9-2011	Local Sponsors	65,000/-	
	Seminar	Media	8-9-2010	Local Sponsors	70,000/-	
	Seminar	Media	15-9-2011	Local Sponsors	65,000/-	
	Seminar	Media	31-1-2013	Local Sponsors	85,000/-	
	(b) International: Nil					
26	Student profile programme/ course wise: U. G. Programme					
	Year	Applicationsreceived	Selected	Enrolled		Pass %
				Male	Female	
	2008-09	100	35	10	25	100
	2009-10	95	28	6	22	100
	2010-11	98	33	15	18	100
	2011-12	100	32	10	22	100
	2012-13	115	36	12	24	91
	2013-14	130	34	14	20	90
27	Diversity of students					
	Year	Name of the Course	% of students From the Same state	% of students from other states	% of students from Abroad	
	2008-09	U. G.	100	--	--	
	2009-10	U.G.	100	--	--	
	2010-11	U.G.	100	--	--	
	2011-12	U.G.	94	--	6	
	2012-13	U.G.	100	--	--	
	2013-14	U.G.	100	--	--	

28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services etc.?- NA.						
29	Student progression against % enrolled:						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	92	90	92	93	90	
	PG to M.Phil.	--	--	--	--	--	--
	P.G. to Ph.D.	--	--	--	--	--	--
	Ph.D. to Post-Doctoral	--	--	--	--	--	--
	Employed - Campus Selection - Other than Campus recruitment	-- 85	-- 90	10 82	10 70	12 80	-- --
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and students			Class rooms with ICT facility	No. of PCs in the Dept.	
	In addition to the use of the general library the students avail themselves of nearly 300 books kept in the Dept.	Available for staff and students in the dept. They also use such facilities in the computer lab.			1	1	
31	Number of students receiving financial assistance from college, university, government or other agencies.						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Scholarship from College	2	1	3	1	1	2
32	Details on student enrichment programmes (special lectures/workshops/seminar)with External experts						
	Programme			Expert		Dates	
	Media Seminar			Mrs. Leela Menon		8-9-2010	
	Media Seminar			Mrs. Shani Prabhakaran		16-9-2011	
	Media Seminar			Shri. Joshy Mathew		8-9-2010	
	Media Seminar			Shri. T.V.Chandran		15-9-2011	
	Media Seminar			Shri. Mecartin		31-1-2013	
	Media Seminar			Shri. Ahmad Vaseem		31-1-2013	
33	Teaching methods adopted to improve student learning						
	- Test papers are conducted regularly. - The Ist year students are given translation work. - Lecture method is used in class rooms. - Students are given opportunity for presenting seminar papers in the class.						

	• They are encouraged to use the library and search the internet. • Invited lectures are arranged. • Peer teaching method is adopted in a limited way. • Attendance in the class is strictly monitored. • Parents are sometimes invited to the department to discuss the prospects of their children especially when a student is found in need of extra care. • A cordial relationship is maintained between the students and the teachers. • Remedial classes are conducted by two of our teachers for Sem I and Sem II students																		
34	Participation in Institutional Social Responsibility (ISR) and extension activities • The department has shown special care in helping the inmates of orphanages and centres of the mentally challenged. • We collect books for the orphanages and clothes for Mariasadanam, a centre for the mentally challenged.																		
35	SWOC analysis of the department and future plans (a) SWOC analysis <table> <tr> <td colspan="2">Strength</td></tr> <tr> <td> • Our students show great interest in reading English Newspapers. • They speak in English to their teachers and fellow students. • They always show their awareness of the need to achieve proficiency in English </td><td></td></tr> <tr> <td colspan="2">Weakness</td></tr> <tr> <td> • It is difficult to find extra time for innovative practices. • The syllabus is so heavy that we do not get time for extra work. </td><td></td></tr> <tr> <td colspan="2">Opportunity</td></tr> <tr> <td> • Students are encouraged to make creative efforts. • They published a campus newspaper in January 2014 </td><td></td></tr> <tr> <td colspan="2">Challenges</td></tr> <tr> <td> • The new semester system does not give enough number of working days for the implementation of our plans for remedial teaching. • The students in a class are of different levels of academic abilities. </td><td></td></tr> <tr> <td colspan="2">(b) Future plans</td></tr> </table>	Strength		• Our students show great interest in reading English Newspapers. • They speak in English to their teachers and fellow students. • They always show their awareness of the need to achieve proficiency in English		Weakness		• It is difficult to find extra time for innovative practices. • The syllabus is so heavy that we do not get time for extra work.		Opportunity		• Students are encouraged to make creative efforts. • They published a campus newspaper in January 2014		Challenges		• The new semester system does not give enough number of working days for the implementation of our plans for remedial teaching. • The students in a class are of different levels of academic abilities.		(b) Future plans	
Strength																			
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1	Name of the Department		DEPARTMENT OF BIOSTATISTICS				
2	Year of Establishment		2005				
3	Names of Programmes/ Courses offered		M. Sc.				
4	Names of Interdisciplinary Courses and the Departments/units involved		In the conduct of M.Sc Biostatistics the departments of Statistics and Biotechnology are also involved.				
5	Annual/semester/choice based credit system (programme wise)		M.Sc. – CSS				
6	Participation of the Department in the Courses offered by other Departments		Nil				
7	Courses in collaboration with other Universities,industries, foreign institutions		Epidemiology and R Programming Courses are offered in collaboration with RCC Trivandrum and CMC Vellore respectively.				
8	Details of courses /programmes discontinued (if any)with reasons.		Nil				
9	Number of teaching posts:						
	Posts		Sanctioned			Filled	
	Ad-hoc Faculty		4			4	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. Etc.)						
	Sl. No	Name	Qualification	Designation	Specialization	Expe- rience (year)	No. of Ph.D. Students guided for the last 4 years
	1	Beteena Kurian	M.Sc, M.Phil.	Lecturer	Demography and Bayesian Inference	8	--
	2	Renjitha Bhaskaran	M.Sc	Lecturer	EpidemiologyClinical trial and survival analysis	3	--
	3	Rose Maria Jose	M.Sc.	Lecturer	Multivariate Analysis, Sampling Techniques	2	--
	4	Vinny Johny	M.Sc.	Lecturer	Survival analysis	1	--
11	List of senior visiting faculty	Dr. L .Jayaseelan, CMC,Vellore Dr. Aleyamma Mathew, RCC, Trivandrum. Dr. Anil C. Mathew, PSG Institute of Medical Sciences, Coimbatore. Dr Preethi Sara George, RCC, Trivandrum Miss Tuny Sebastian, CMC Vellore					
12	Percentage of lectures delivered and practical classes handled (programme wise) by						

	6. Shaijin Stephen, Renu David (2011) Pareubal Atopy and Exposure to Pets on Asthma : A Hospital Based Case- Control study, <i>International Journal of Preventive Medicine</i> , Vol 2, No. 3, July 2011, IP 151-157 7. Shaijin S., David, R. (2009) Association between Obesity and Asthma among Adults : A Hospital Based Case-Control Study. <i>Asian Journal of Epidemiology</i> , 2(2), 2009, 33-43 8. Sunoj C. Varghese. (2009). A Nested Case-Control Study of Female Breast Cancer in Karunagappally Cohort in Kerala, India. <i>Asia Pacific Journal of Cancer Prevention</i> , Vol 10, 1, 2009,1-5 9. Sachin Jose, Preethi Sara George (2008) Assessment of Confounding and Interaction using the Mantel Haenszel Risk Estimation Method. <i>Asian Pacific Journal of Cancer Prevention</i> , Vol 9, 2008, 323-325 10. Amrutha Jose, Anil C Mathew, Soubhya TB, SL Ravi Shankar, Sudha Ramalingam, Thomas V Chacko, G Rajendran, CV Vaidyanathan, JS Bhuvaneswaran, Yunsheng Ma (2009) Association of Physical Inactivity with Risk of Coronary Heart Disease; <i>South Asian Journal of Preventive Cardiology</i> Volume 13 Number 1 11. Soubhya T.B., Amrutha Jose (2008) Familial Aggregation of Hypertension, Obesity and Diabetes among Adult Women in South India. <i>South Asian Journal of Preventive Cardiology</i> , Vol 12, No.1, 2, 2008, 37-47 12. Royes Joseph (2008) Analyzing Repeated Measurements Data: A Practical Comparison of Methods in the study on Efficiency of Levocentrizine Desloratidine and Fexofenadine in Histamine induced wheal suppression. <i>JP Journal of Biostatistics</i> , Vol 2, 2, 2008, 155-108 13. Gijo Thomas (2007) Body Mass Index (BMI) Cut-off values for Identifying Cardiovascular Disease Risk Factors among Adult Women in India. <i>South Asian Journal of Preventive Cardiology</i> , Vol II, No-3, 2007, 100-1					
20	Areas of consultancy and income generated:					
	Ms. Beteena Kurian is a consultant to Dept. of Biostatistics, CMC Vellore.					
21	Faculty as members in (a) National committees (b) International Committees (c) Editorial Boards: Nil					
22	Student Projects (a) Percentage of students who have done in-house projects including inter-departmental programme (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies					
	M.Sc Biostatistics					
		2008-09	2009-10	2010-11	2011-12	2012-13
	(a)	100	100	100	100	100
	(b)	100	100	100	100	100
23	Awards/ recognitions received by faculty and students					
	Year	Name	Student/ Faculty	Recognition/ Award	Awarded by	
	2010	Rowther Shamna Safar	Student	II Prize in on-the-spot essay competition	MOSPI, Govt. of India	

	2010	Abin Thomas	Student	Consolation Prize in on-the-spot essay competition	MOSPI, Govt. of India
	2012	Aswathy M	Student	Consolation Prize in on-the-spot essay competition	MOSPI, Govt. of India
	2014	Jomy Jose	Student	Consolation Prize in on-the-spot essay competition	MOSPI, Govt. of India
24	List of eminent academicians and scientists/visitors to the department.				
	Name	Position	Occasion/ Purpose	Duration	
	Dr Jeyaseelan L.	Head, Dept. of Biostatistics, CMC Vellore.	Interaction with Post graduate students	3 days each in 2012& 2013	
	Dr. K.R. Sundaram	Professor of Biostatistics, Amrita Institute of Medical Sciences, Kochi	Interaction with Post graduate students	1 day each in 2011& 2013	
	Dr. Anil C. Mathew	Professor of Biostatistics, PSG Institute of Medical Sciences, Coimbatore.	Interaction with Post graduate students	3 days each every year	
	Dr. Anil Gore	Statistical Consultant, Pune	National Seminar	1 day in 2010	
	Dr Aleyamma Mathew	RCC Trivandrum	Interaction with students	2 days every year	
	Dr Vijay Nair	University of Michigan USA	International Seminar	26-28/3/11	
25	Seminars/Conferences/Workshops organized and the source of funding: Nil				
	Programme	Topic/ Area	Dates	Funding Agency	Amount Received (Rs)
	Workshop	R-Programming	1-3/10/2013	KSCSTE	30,000/-
	Workshop	SAS Programming	10-12/4/12	College	50,000/-
	Seminar	Applications of Biostatistics and Epidemiology in Health Sciences	29-31/10/09	College	50,000/-
26	Student profile programme/course wise: M.Sc Biostatistics				
	Year	Applications received	Selected	Enrolled	Pass %
				Male	Female
	2008-09	50	19	8	11
	2009-10	60	14	5	9
	2010-11	51	7	2	5
	2011-12	60	21	10	11
	2012-13	84	19	9	10
	2013-14	93	24	6	18
27	Diversity of students				
	Year	Name of the Course	% of students From the Same state	% of students from other states	% of students from Abroad
	2008-09	P.G.	100	--	--

	2009-10	P.G.	100	--	--		
	2010-11	P.G.	94	6	--		
	2011-12	P.G.	100	--	--		
	2012-13	P.G.	100	--	--		
	2013-14	P.G.	100	--	--		
28	How many students have cleared national and state competitive examinations such as NET, SLET,GATE, Civil services, Defense services etc.?- Nil						
29	Student progression against % enrolled						
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	U.G. to P.G.	--	--	--	--	--	--
	PG to M.Phil.	--	--	--	--	--	--
	P.G. to Ph.D.	7	--	7	--	--	--
	Ph.D. to Post-Doctoral	--	--	--	--	--	--
	Employed						
	• Campus Selection					6	--
	• Other than Campus recruitment	100	91	94	100	76	--
30	Details of Infrastructural facilities						
	Library	Internet facility for Staff and students		Class rooms with ICT facility		Laboratories	
	A Good number of books are available in the General Library	Available in the department and computer labs		2		Computer lab with 21 PCs and licensed softwares	
31	Number of students receiving financial assistance from college, university, government or other agencies.						
	Central Sector Scholarship	1	--	--	--	1	1
	Post Matric Scholarship	1	--	--	1	2	3
	Scholarship from College	1	2	1	2	2	2
	Indira Gandhi Scholarship for Single girl child	--	--	--	--	1	--
	C H Muhammedkoya Scholarship	--	--	--	--	1	--
	UGC Scholarship for SC/ST/Minority	1	1	1	1	1	1
32	Details on student enrichment programmes (special lectures/workshops/seminar) with External experts						
	Programme			Expert		Dates	

	National Workshop on Bayesian Statistics and MCMC Methods using Open BUGS and R software	Dr.Andrew Thomas Dr.Sangeetha K Dr.Olli Saarela Dr.Bijoy Joseph	26-30 June 2009
	National Workshop on Biostatistics sponsored by KSCSTE	Dr.Abraham Philips Dr.Aleyamma Mathew Dr.K.R.Sundaram Dr.P.Venkatesan	28-30 October 2009
	Workshop on Randomized Clinical Trials	Dr. Anil C.Mathew	9 –Dec-2010
	National Workshop on Biostatistics, Ecology and Statistical Applications in Industry	Dr. Vijay Nair Dr. A.P. Gore Dr.R. Ramanathan Dr.N.Balakrishna Dr.E.V.Gijo	28-30 March 2011
	ICMS-2011	P.K.Sen	3-5-Jan-2011
	One day Workshop on Biosafety Measures and Clinical Trials	Dr.Larry Gould	18 May 2011
	Workshop on SAS Programming	StatAnalytics Bangalore	10-20 May 2011
	Workshop on biostatistical Modelling and Clinical Trials	Dr. A.C.Mathew PSG IMSR	29 –Oct-2011
	Workshop on SPSS Software	Dr.Jayaseelan Tunny	10-Feb-2012
	Workshop on SPSS and SAS for Biostatistical Data Analysis	Dr.Visalakshi, Thenmozhi, Tunny Sebastian	10-12 April 2012
	ICE-Special Focus to Modelling Infectious and Chronic Disease Data using Time Series and Spatial Data Analysis	K.R.Sundaram	16-18 Aug-2012
	Invited Talk on Binary Logistic Regression Models	Dr. Anil C.Mathew	15-Mar-2013
	Workshop on Biostatistics	Dr.Jayaseelan Saravanan	9-Oct-2013
	Workshop on Survival Data Analysis	Dr. Anil C. Mathew	15/3/13
	Workshop on Meta Analysis	A.K. Singh Anil Kumar P. Balakrishna N.	3-5-Jan2014
33	Teaching methods adopted to improve student learning		
	• ICT assisted lectures • Peer Teaching & Home works • Seminars & Assignments • Problem doing sessions		
34	Participation in Institutional Social Responsibility (ISR) and extension activities		

	1. A Cancer Awareness Programme and workshop by Dr PV Gangadharan, Lakeshore Hospital, Kochi on 13/1/13. 2. Health Surveys are conducted by M.Sc. Biostatistics students every year in Palai Municipality.
35	SWOC analysis of the department and future plans (a) SWOC analysis Strength • Support of the highly qualified faculty in the Statistics Department • Full-fledged Computer lab with Licensed Softwares • Collaboration with RCC Trivandrum and CMC Vellore. • Interdisciplinary Programme in emerging areas Weakness • Only Ad-hoc Faculty • Heterogeneous group of students • Lack of clinical experience Opportunity • High employment potential • High priority area due to incidence of new diseases • Job and Research opportunity abroad • An emerging area of research • Only Centre in Kerala offering M.Sc. Biostatistics Challenges • Mobilization of Funds • Motivating the students (b) Future plans
	• Developing a Cancer Registry Centre • Research Centre in Biostatistics • Conducting Health Surveys.



ST. THOMAS COLLEGE, PALAI

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A Minority Educational Institution affiliated to Mahatma Gandhi University, Kottayam

UGC APPROVED COLLEGE WITH POTENTIAL FOR EXCELLENCE

DECLARATION

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge. This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced. I am aware that the Peer Team will validate the information provided in this SSR during the peer team visit.

Palai
14/8/2014



Injaraakkattil
Fr. N.V. Joseph
Principal
St. Thomas College, Palai



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CERTIFICATE OF COMPLIANCE

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that **St. Thomas College, Palai** fulfils all norms:

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.
4. In case the affiliation/ recognition is withdrawn by the authority concerned the same will be informed to NAAC immediately.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.



Injarakkattil

Fr. N.V. Joseph

Principal

St. Thomas College, Palai

Arunapuram
14/08/2014



Founded in 1960

ST. THOMAS COLLEGE PALAI

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