



P.S.R.ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Sevalpatti (P.O), Sivakasi - 626140.

Tamilnadu State



SELF STUDY REPORT (SSR)

submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

(An Autonomous Institution of the University Grants Commission)

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

March-2014

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PREFACE

P.S.Ramasamy Telugu Minority Educational and Charitable Trust was started in the year 1998 with an objective of imparting technical education to uplift the downtrodden people of the districts surrounding the college and to develop the industries. The trust has been rendering educational services to the rural people of this area for the past 15 years. It is a noble endeavour of philanthropists Thiru. R. Ramadass, Chairman and Thiru R.Solaisamy, Correspondent who are leading Industrialists of this soil. P.S.R Engineering College (PSREC) was established in the year 1999 with three under graduate programmes with a mission of providing quality technical education to the students of southern Tamil Nadu. The College is sprawled over an area of 27.9 acres of land south of Sivakasi on Sivakasi – Sankarankoil highway which are in the tri-junction of the three districts – namely Virudhunagar, Tirunelveli and Thoothukudi.

The College is approved by AICTE, New Delhi and affiliated to Anna University, Chennai. The sprawling campus of the College has an environment conducive for academic pursuits like classroom teaching & research. It has spacious buildings with ample scope for future development and expansion. At present, the College has nine departments and offers seven UG and five PG programmes in Engineering/ Technology and one programme in Business Administration.

Since its existence, the college has been striving to enhance quality and sustain excellence while equipping the students to meet the challenges of higher education in India. In its journey of 15 years of service in technical education, the College has received an ISO 9001:2008 certification from Germanischer Lloyd GmbH, Hamburg, first in the year 2005 for its quality management system. Four UG programmes were accredited by NBA in the year 2009 for a period of 3 years. Autonomous status was conferred to the college by UGC in the year 2012. The college has received the “Educational Excellence Award – 2013” for ‘Best Engineering College for Academic infrastructure in South Tamilnadu’ instituted by ASSOCHAM and Education Post. The award was received from Shri Bhupendrasinh M.Chudasma, Hon’ble Minister of Education, Gujarat State.

To move further for its recognition, the College has prepared this Self Study Report (SSR) for getting assessed by National Assessment and Accreditation Council (NAAC),

which lays emphasis on the institutional developments with reference to quality initiative, quality sustenance and quality enhancement. The SSR has been prepared as per guidelines given in the manual by NAAC. The SSR document includes executive summary, profile of the College, criterion-wise evaluative report and department- wise evaluative report.

Principal

A. EXECUTIVE SUMMARY

P.S.R. Engineering College is one of the best self-financing engineering colleges in southern part of Tamil Nadu, which is functioning with the goal of achieving highest standards in all its activities - curricular, teaching-learning, research, co-curricular and extra-curricular activities, infrastructure, learning resources, and also in student support services.

1. Curricular Aspects

The curricula and syllabus under autonomous are prescribed by the board of studies and academic council of the college, which constitutes external academicians, industrial experts, alumni and the senior faculty as members. Based on industry and student feedbacks the curricula are updated time to time. The college offers some value added courses to its students, apart from the curriculum. Provisions are made in the academic regulation to submit mini-projects in the courses wherever possible instead of assignments. English communication courses are introduced based on the Cambridge's BEC requirement, targeting mainly the students from rural background (40-50% of the admitted students are first-graduate students of the family as per our records) to have better English communication skills. All the students are encouraged and assisted by the college to take up BEC certificate examinations.

2. Teaching, Learning and Evaluation

The college has well qualified faculty team including 17 Ph.D holders and others with PG qualifications and some have registered for Ph.D. The teaching-learning process aims at achieving not only academic/ professional development of the students but also their overall personality. The academic and research environment fosters the professional development of the faculty. Orientation programme for freshers, motivation programmes and bridge courses, etc are conducted. Guest lectures by eminent personalities in the relevant area, workshops, mini projects and industrial visits are also modes of imparting quality education. Well planned academic calendar, detailed course plans by the faculty members ensure the smooth functioning of the teaching-learning process. Progress of the courses and quality of teaching are evaluated based on the class visits by the higher authorities and feedback from the students. Slow learners are given special attention by counseling and conducting extra classes to improve and sustain their performance. Internal Continuous Assessments tests ensures the sustained academic progress of the students. Several faculty development programmes have been conducted to impart teaching skills and enhance the knowledge of the faculty members. Question papers are set in order to test the various knowledge contents of the students. Well structured examination and evaluation system and the effective use of automation ensures transparency, secured and timely announcement of the results.

3. Research, Consultancy and Extension

The college motivates the PG qualified faculty members to pursue research activities apart from teaching. As a result, 20 of the faculty members have currently registered for Ph.D. in various universities. The college also motivates them to undertake research projects/consultancy and extension activities apart from teaching. To nurture research culture among the faculty, several research related workshops/ seminars are being conducted. The research carried out by the faculty has resulted in publication of 139 papers in journals and 319 papers in conferences during the last 4 years. The faculty and students of the college take part in extension activities by conducting national level conferences, faculty development programmes, short term courses, guest lectures and other social activities. The moral and social responsibilities receive trust through extension activities conducted by various committees, such as YRC, RRC and the NSS unit of the college. Our extension activities include Blood Donation Camps, Eye Checkup Camps, Public Awareness Programme, Tree Plantation and other environment awareness programmes. The college has been awarded Best Blood Donation Donor College from the District Collector of Tirunelveli District. The college has signed Memorandum of Understandings (MoU) with 6 Industries for students' training and internship.

4. Infrastructure and Learning Resources

The college has a total built-up area of 488057 Sq.mts. Each department has Lecture halls, well-equipped Laboratories, A/C Seminar hall, Drawing halls wherever needed, and a mini-library. State-of-the art facilities like LAN, Internet with 20 Mbps, Wi-Fi connectivity, online learning portal and AV equipments are provided to facilitate teaching/learning through ICT. The College houses an auditorium with 2500 capacity, a common seminar hall, a board room for conducting meetings, RO water plants, hostels, canteen, health centre, play grounds, an indoor stadium, athletic tracks, courts, gymnasium, Examination cell, placement cell, a guest house, Bank of India with ATM, post box, stationary stores, STD/ISD booth, first-aid boxes, etc. The College Library, which spans around 2012 Sq.m (Carpet area and reading space) acts as a major learning resource. It has about 32088 volumes of books and also subscribes 94 national and 31 international journals. The e-journals Scidirect, IEEE (ASPP) and DELNET are available and can be accessed through internet. The Library operation is automated through 'Autolib' and 'GEIS' softwares. Hostel facility is available for both boys and girls. Boys hostel has 179 rooms and girls hostel has 240 rooms. College operates 24 buses for the benefit of both students and staff. State Transport Corporation also operates about 12 buses to the college campus directly to and from most of the neighboring towns.

5. Student Support and Progression

The college gives special attention to overall development of students by creating a conducive learning atmosphere which actively supports their co-curricular and extracurricular activities and helps in the demonstration of their talents. The College helps the students to avail both central and state government scholarships based on caste and economical status, merit/merit-cum-means scholarships, first graduate scholarships, etc.

The students are given an academic calendar and a booklet containing detailed regulations, curriculum and syllabus, at the beginning of the academic year. Around 582 students are availing hostel facility. In order to inculcate professionalism, the faculty members facilitate them to enroll in professional societies of their choice. The students are motivated to participate in workshops, conferences, symposiums, sports and games, social activities through NSS, YRC, RRC, etc. Many students have won prizes/awards in those activities and have brought laurels to the college. The Training and Placement Cell of the college conducts several training programmes in order to place students placement. The placement record of the college has been showing an increasing trend for the past four years through both on-campus and off-campus recruitment drives.

6. Governance Leadership and Management

The effective governance, leadership and management of the college boast an unambiguous administration setup in imparting quality technical education. The College is headed by the Principal and assisted by the Directors, Dean (Acad), Heads of Departments, Controller of Examinations, Staff incharges of various technical/social forums and Coordinators of various committees. The management, principal, HODs and the faculty members of various committees contribute to decision making, pertaining to academics and other related work in a transparent manner. The college activities are governed by various bodies like Board of Management, Academic Council, Board of Studies, Finance Committee, Question Papers Scrutiny committee, Result Passing Board, etc.

The automation facilities are extensively used in the administration, Office of the Controller of Examinations, Library, Online Learning, etc. Systematic norms and procedures are followed in budgeting and purchase. The expenses and purchases are audited by external qualified Auditors. Academic and examination activities are audited periodically by both internal and external committees.

7. Innovations and Best Practices

Some of the innovations and best practices followed in the college include:

- Extensive use of ICT facilities, providing learning aids through moodle, GEIS automation in students' management, library management, and examination system provide systematic and streamlined access to precise and accurate information.
- Encouragement for research activities and paper publications in journals and conferences. Representation of students in Board of Studies, introducing Communication Skills / Technical Seminar, BEC examination (mandatory in the curriculum), conducting Faculty Development Programmes (FDPs) for the benefit of faculty members.

Energy conservation approaches, rain-water harvesting, waste-water recycling, parking lots for vehicles, prohibiting smoking and making a tobacco-free campus, maintaining the eco-friendly green campus are some of the features of the college.

SWOC ANALYSIS

Strength

- Diversified UG and PG programmes in Engineering.
- Committed Management and dedicated faculty team.
- 17 Faculty members with Ph.D. qualification and many are pursuing Ph.D.
- College situated in conducive and disturbance free environment.
- Opportunity to serve the backward population through Technical Education.
- Curriculum and syllabi meeting the needs of the area.
- ICT in teaching-learning process, administration and examination.
- Need based training programmes to help the students in placement.
- Imparting knowledge beyond the syllabus – guest lectures/ seminars, etc.
- International certification programmes in the college.

Weakness

- Lack of manufacturing industries in the districts surrounding the college.
- Lack of consultancy and funded projects.
- Lack of top ranking students in admission.
- Diminishing self-learning culture.
- Economically weak students – unable to cope with the expenses for training and other certification programmes.

Opportunities

- Funding schemes offered by the National agencies / Government bodies like UGC, DST, DRDO etc.
- Presence of fireworks factories, match industries and printing presses – opportunity for consultancy in safety and modernization.
- Financial assistantships by the management to attract top ranking students.
- Introduction of innovative teaching-learning process.
- Co-curricular and extra-curricular activities – tap the diversified talents of the students.
- Provision for loans, scholarships by state/central government and private bodies.

Challenges

- Cope with the changing economical and social scenario.
- Presence of technical institutions more than the demand – challenge in getting quality intake.
- Unpredictable job opportunities in IT industries.
- Offering the training programmes targeting placement without compromising in imparting core technical knowledge in their field of specialization.
- To serve the very basic purpose of establishing institutions – driven away by the impatience of parents and student community – hurry to earn not to learn.

Self-Study for Autonomous Colleges

B. Profile of the Autonomous College

1. Name and address of the College:

Name:	P.S.R.ENGINEERING COLLEGE				
Address:	SEVALPATTI (P.O)				
City:	SIVAKASI - 626140	State: TAMILNADU			
Website:	www.psr.edu.in				

2. For communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr.K.R.Viswanathan	O: 04562-239178 R: 04562-239600	9842180056	04562-239284	contact@psr.edu.in
Vice Principal	NA	O: R:	-	-	-
Steering Committee Co-ordinator	Dr.P.Marichamy Dean (Acad)	O: 04562-239614 R:	9489796849	-	pmarichamy@psr.edu.in
Co-coordinator	Dr.S.Ramesh	O: 04562-239623 R:	9443571496	-	s.ramesh@psr.edu.in

3. Status of the Autonomous College by management.

- i. Government
- ii. **Private** ✓
- iii. Constituent College of the University

4. Name of University to which the College is Affiliated

Anna University, Chennai

5. a. Date of establishment, prior to the grant of 'Autonomy': **21/11/1999**

b. Date of grant of 'Autonomy' to the College by UGC: **01/03/2012**

6. Type of institution:

a. By Gender

- i. For Men
- ii. For Women
- iii. Co-education

✓

- b. By shift
- | | |
|--------------|---|
| i. Regular | √ |
| ii. Day | |
| iii. Evening | |

- c. Source of funding
- | | |
|---------------------------------|---|
| i. Government | |
| ii. Grant-in-aid | |
| iii. Self-financing | √ |
| iii. Any other (Please specify) | |

7. Is it a recognized minority institution?

Yes

No

√

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

Linguistic – Telugu Minority

Evidence enclosed in the Annexure

8. a. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	14-09-2011	-
ii. 12 (B)	-	-

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

b. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/clause	Day, Month and Year (dd-mm-yyyy)	Validity	Programme/institution	Remarks
AICTE	19-03-2013	Acad. Year 2013-2014	As per enclosure	Approval has to be renewed every year

(Enclose the Certificate of recognition/approval)

9. Has the College been recognized

a. By UGC as a 'College with Potential for Excellence' (CPE)?

Yes ☐

No ☒

If yes, date of recognition : (dd/mm/yyyy)

b. For its contributions/performance by any other governmental agency?

Yes ☐

No ☒

If yes, Name of the agency

Date of recognition: (dd/mm/yyyy)

10. Location of the campus and area:

Location *	Rural
Campus area in sq. mts or acres	27.9 acres
Built up area in sq. mts.	488057 Sq.mts.

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Does the College have the following facilities on the campus (Tick the available facility)? In case the College has an agreement with other agencies in using such facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex ✓
- Sports facilities
 - play ground ✓
 - swimming pool
 - gymnasium ✓
- Hostel
 - Boys' hostels ✓
 - Girls' hostels ✓
- Residential facilities
 - for teaching staff
 - for non-teaching staff
- Cafeteria ✓
- Health centre –
 - First aid facility ✓
 - Inpatient facility
 - Outpatient facility
 - ambulance facility ✓
 - emergency care facility ✓
- Health centre staff –
 - Qualified doctor Full time Part-time ✓
 - Qualified Nurse Full time Part-time ✓
- Other facilities
 - Bank ✓
 - ATM ✓
 - post office
 - book shops ✓
- Transport facilities
 - * for students ✓
 - * for staff ✓
- Power house ✓
- Waste management facility ✓

12. Details of programmes offered by the institution: (Give data for current academic year)

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/approved Student intake	No. of students admitted
1	UG	B.E. Electronics and Communication Engineering	4 Yrs	HSc (+2)	English	120	105
		B.E. Computer Science & Engineering	4 Yrs	HSc (+2)	English	120	63
		B.Tech Information Technology	4 Yrs	HSc (+2)	English	60	12
		B.E. Electrical and Electronics Engineering	4 Yrs	HSc (+2)	English	60	41
		B.Tech Bio-Technology	4 Yrs	HSc (+2)	English	30	30
		B.E. Mechanical Engineering	4 Yrs	HSc (+2)	English	120	113
		B.E. Civil Engineering	4 Yrs	HSc (+2)	English	120	105
2	PG	M.B.A. Master of Business Administration	2 Yrs	Degree in Arts/Science/Engg	English	60	34
		M.E. Computer Science and Engineering	2 Yrs	B.E	English	18	18
		M.E. Applied Electronics	2 Yrs	B.E	English	18	16
		M.E. Structural Engineering	2 Yrs	B.E	English	18	18
		M.E. Engineering Design	2 Yrs	B.E	English	18	8
		M.E. Power Electronics and Drives	2 Yrs	B.E	English	18	15
3	Integrated Masters	-					
4	M.Phil.	-					
5	Ph.D.	Part time Ph.D under Research Center-CSE	-	M.E/ M.Tech	English	NA	8
6	Integrated Ph.D.	-					
7	Certificate	-					
8	Diploma	-					
9	PG Diploma	-					
10	Any other (please Specify)	-					

13. Does the institution offer self-financed Programmes?

Yes ☒ No ☐

If yes, how many?

13

14. Whether new programmes have been introduced during the last five years?

Yes	☒	No	☐

If yes

Number	6

15. List the departments: (Do not list facilities like library, Physical Education as departments unless these are teaching departments and offer programmes to students)

Particulars	Number	Number of Students
Science Under Graduate Post Graduate Research centre(s)		
Arts Under Graduate Post Graduate Research centre(s)		
Commerce Under Graduate Post Graduate Research centre(s)		
Any Other (please specify)		
Under Graduate[Engineering/Technology]	7	2019
Post Graduate[Engineering/Technology]	5	116
Post Graduate[M.B.A]	1	82
Research centre(s)	1	21 (part-time)

16. Are there any UG and/or PG programmes offered by the College, which are not covered under Autonomous status of UGC? Give details.

No

17. Number of Programmes offered under (Programme means a degree course like BA, MA, BSc, M Sc, BCom etc.)

a. annual system	-
b. semester system	13
c. trimester system	-

18. Number of Programmes with

a. Choice Based Credit System	
b. Inter/multidisciplinary approach	
c. Any other (specify) Credit System	13

19. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component	Rs. 45,450
(b) excluding the salary component	Rs. 12,400

20. Does the College have a department of Teacher Education offering NCTE recognized degree programmes in Education?

Yes ☐ No ☒

If yes,

- a. How many years of standing does the department have?

..... years

- b. NCTE recognition details (if applicable)

Notification No.:

Date: (dd/mm/yyyy)

- c. Is the department opting for assessment and accreditation separately?

Yes ☐ No ☐

21. Does the College have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education?

Yes ☐ No ☒

If yes,

- a. How many years of standing does the department have?

..... years

- b. NCTE recognition details (if applicable)

Notification No.:

Date: (dd/mm/yyyy)

- c. Is the department opting for assessment and accreditation separately?

Yes ☐ No ☐

22. Whether the College is offering professional programme?

Yes ☒ No ☐

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.

Approved by All India Council for Technical Education (AICTE) and affiliated to Anna University, Chennai.

23. Has the College been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

1. All India Council for Technical Education (AICTE)
2. Anna University, Chennai

The copies of the Extension of Approval issued by AICTE for the academic year 2013 – 2014 and Grant of Affiliation issued by Anna University, Chennai for the academic year 2013-2014 are provided.

24. Number of teaching and non-teaching positions in the College

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 Government <i>Recruited</i> <i>Yet to recruit</i>										
Sanctioned by the Management/Society or other authorized bodies <i>Recruited</i> <i>Yet to recruit</i>	9	2	13	6	78	56	6	3	24	4

*M-Male *F-Female

25. 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.	-	-	-	-	-	-	-
Ph.D.	9	2	3	0	2	1	17
M.Phil.	-	-	-	1	14	11	26
PG	-	-	10	5	62	44	121
Temporary teachers - Nil							
Ph.D.							
M.Phil.							
PG							
Part-time teachers - Nil							
Ph.D.							
M.Phil.							
PG							

26. Number of Visiting Faculty/ Guest Faculty engaged by the College.

Nil

27. Students enrolled in the College during the current academic year, with the following details:

Students	UG		PG		Integrated Masters		M.Phil		Ph.D.		Integrated Ph.D.	
	M	F	M	F	M	F	M	F	M	F	M	F
From the state where the College is located	274	193	32	93					7	1		

Students	UG		PG		Integrated Masters		M.Phil		Ph.D.		Integrated Ph.D.	
	M	F	M	F	M	F	M	F	M	F	M	F
From other states of India	2	-	-	-					-	-		
NRI students	-	-	-	-					-	-		
Foreign students	-	-	-	-					-	-		
Total	276	193	32	93					7	1		

*M-Male F-Female

28. Dropout rate in UG and PG (average for the last two batches)

UG 1.65%

PG 1.5%

29. Number of working days during the last academic year.

284

30. Number of teaching days during the last academic year

164

31. Is the College registered as a study centre for offering distance education programmes for any University?

Yes ☐No ☒

If yes, provide the

a. Name of the University

b. Is it recognized by the Distance Education Council?

Yes ☐ No ☐

c. Indicate the number of programmes offered.

32. Provide Teacher-student ratio for each of the programme/course offered

U.G.Programmes:

1. B.E. Electronics and Communication Engineering **1:15**
2. B.E. Computer Science & Engineering **1:13**
3. B.Tech Information Technology **1:15**
4. B.E. Electrical and Electronics Engineering **1:13**
5. B.Tech Bio-Technology **1:14.3**
6. B.E. Mechanical Engineering **1:15**
7. B.E. Civil Engineering **1:15**

PG Programmes

1. M.B.A. Master of Business Administration **1:12**
2. M.E. Computer Science and Engineering **1:9**
3. M.E. Applied Electronics **1:12**
4. M.E. Structural Engineering **1:9**
5. M.E. Engineering Design **1:9**
6. M.E. Power Electronics and Drives **1:9**

33. Is the College applying for?

Accreditation :

Cycle 1



Cycle 2



Cycle 3



Cycle 4



Re-Assessment:



34. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)
 Cycle 1: (dd/mm/yyyy) Accreditation outcome/results
 Cycle 2: (dd/mm/yyyy) Accreditation outcome/results
 Cycle 3: (dd/mm/yyyy) Accreditation outcome/results
 * Kindly enclose copy of accreditation certificate(s) and peer team report(s)
 Cycle 1 refers to first accreditation; Cycle 2 and beyond refers to reaccreditation

35. a. Date of establishment of Internal Quality Assurance Cell (IQAC)
(dd/mm/yyyy)

The college has established Internal Quality Assurance Cell (IQAC) on 29.01.2014.

- b. Dates of submission of Annual Quality Assurance Reports (AQARs).

- (i) AQAR for year on(dd/mm/yyyy)
 (ii) AQAR for year on (dd/mm/yyyy)
 (iii) AQAR for year on (dd/mm/yyyy)
 (iv) AQAR for year on..... (dd/mm/yyyy)

36. Any other relevant data, the College would like to include. (Not exceeding one page)

- 15 years of service in Technical Education (started in 1999)
- College is situated at rural place. Most of the admitted students are from rural background.
- **Autonomus:**
College was conferred with Autonomous status by the UGC & Anna University in the year 2012.

- **OBC Candidates:**

Year	2013-2014	2012-2013	2011-2010	2010-2009
Percentage of OBC students admitted	88.7%	86.34%	88.28%	86.84%

- **First Graduate:**

Year	2013-2014	2012-2013	2011-2010	2010-2009
Percentage of First Graduate students admitted	50.96%	44.67%	40.29%	46.89%

- **Fully Automated Library:**
'GEIS' automation software is used for Library Services.
- **Wi-fi :**
Wi-fi facility is available both inside the campus and hostels.
- **Placement:**
College is able to place 40 – 50% the students through Campus Recruitment.
- **MOU:** Academic partnership & MoUs with the leading organizations like BSNL, ICTACT, Native Lead Foundation, etc.

- **ISO Certified:**

The college is an ISO 9001:2008 certified Institution from Germanischer Lloyd – GmbH – 20459 Hamburg.

- **NBA Accredited:**

The UG programmes of Electronics and Communication Engg, Computer Science & Engg, Information Technology and Electrical & Electronics Engg were accredited by NBA from 5.5.2009 for 3 years.

- **National Award:**

College was awarded 'Education Excellence Award -2013' for Best Engineering College for Academic Infrastructure in South Tamilnadu by ASSOCHAM and Education Post. The award was received by our college correspondent from Hno'ble Minister of Education, Gujarat State, Shri. Bhupendrasinh M.Chudasma in a function held at Ahmedabad, Gujarat on 24.11.2013.



- **Eminent Persons Visit:** Bharat Ratna *A.P.J.Abdul Kalam*, former President of India visited our college and interacted with our students on 26.6.2011.



Dr.e-mail Shiva – (Inventor of email and echo mail), Director, Massachusetts Institute of Technology, USA visited our college on 26.7.2013 and delivered a special lecture on Need for Technological Innovations.



C. Criteria-Wise Inputs

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 How are the institutional vision / mission reflected in the academic programmes of the College?

Vision

To contribute to the society through excellence in technical education with societal values and thus a valuable resource for industry and the humanity.

Mission

To create an ambience for quality learning experience by providing sustained care and facilities; To offer higher level training encompassing both theory and practices with human and social values; To provide knowledge based services and professional skills to adopt tomorrow's technology and embedded global changes.

The vision of the Institution's contribution to the society through excellence in technical education and a valuable resource for industry and the humanity is fulfilled through the following Initiatives:

1. Offering courses in all the core and allied engineering fields including management.
2. Imparting laboratory training and project experience mandatorily as a part of the curriculum.
3. Framing syllabus with inputs from Industry experts, academia and Alumni.
4. Inviting experts from leading industries and institutions to provide special training.
5. Allowing student and staff to participate in the conferences, seminars, workshops and Industrial Visits as part of the academic programme.
6. Involving students to participate in the social forums like NSS, YRC, RRC, etc.
7. Encouraging and rewarding the faculty members for their academic achievements.

1.1.2 Describe the mechanism used in the design and development of the curriculum? Give details on the process. (Need Assessment, Feedback, etc)

Stage-1: Draft Curriculum and Syllabus

Draft Curriculum is designed by the faculty members of the respective departments based on the

- assessments on latest developments in the field, regional needs, needs of the industry and society.
- curriculum model of AICTE and the affiliating university.
- feedbacks from the recruiting companies and industries.

- benchmark curriculum/syllabus with reputed institutions in India and abroad.

Stage-2: Review and Approval by the Authenticated Committees

- Board of Studies (with the members composition of HOD, senior faculty members, University nominee, Academic experts, industry expert and a alumni) thoroughly analyze and reviews the draft syllabus for submission to Academic Council.
- Academic Council discusses the recommended curriculum and syllabus by the Board of Studies and finalizes it for implementation.

Stage-3: Implementation

- The new/revised Curriculum and syllabus is implemented in the forthcoming academic year.
- Annually reviewed at the meetings of Board of Studies and Academic Council.

- 1.1.3 How does the College involve industry, research bodies, and civil society in the curriculum design and development process? How did the College benefit through the involvement of the stakeholders?

Internal and external experts from academia and experts from Industry and Alumni are involved in Curriculum development process by including them in the Board of Studies and Academic Council which are statutory bodies that are responsible for the Curriculum/Syllabus development process.

- The Board of Studies comprises of HOD as Board Chairman and about 7 faculty members of the department, one nominee of the University, two external academic experts from leading Institutions, one alumnus and one representative from the industry is invited for suggestions in the framing or redesigning of the curriculum and syllabus
- Academic Council finalizes and approves the curriculum and syllabus.
- The Academic Council comprises of Principal as the chairman, Chairman of all the Boards, three nominated senior faculty members of the college, six external experts (representing such areas as education, Industry, engineering etc.), three nominees of the University.

Stakeholders

- The feedback provided by alumni/parents/other organizations and relevant suggestions are considered while designing the curriculum.
- By involving the stakeholders in the curriculum design, the college ensures that the curriculum developed encompasses components for employability, research, topics in emerging trends, social relevance and social needs. As a result, the curriculum remains updated. It offers huge scope for in-depth knowledge and equips the learner to compete successfully at the vertical and horizontal levels.

1.1.4 How are the following aspects ensured through curriculum design and development?

- * Employability
- * Innovation
- * Research

Employability is ensured through the following aspects:

- Demand based curriculum and syllabus.
- Need based training including soft skills.
- Participation at seminars, conferences and competitions.
- International Certification Programmes
- Professional English courses designed to meet BEC certification

Innovation is encouraged through the following aspects:

- Value added courses
- Grants for graduation projects from state/national agencies.
- Cash awards for innovative works
- MOU with Native Lead Foundation for innovation through i-Cell

Research capability is attained through the following aspects:

- Subscription to e-journals, availability technical journals and magazines.
- Access to infrastructure including softwares to carry out projects leading to research.
- Motivation to faculty members to take up research (Ph.D)
- Motivation to faculty and students for publication of their works.
- Getting the departments as recognized research centres of the affiliating university to enroll for Ph.D Programmes (both part-time and full-time).

1.1.5 How does College ensure that the curriculum developed address the needs of the society and have relevance to the regional / national developmental needs?

- Subjects like Environmental Studies & Professional Ethics is mandatory for all the under graduate students.
- To motivate economically backward student communities in and around district.
- To improve their career through Strategic Planning Division in our institution.

1.1.6 To what extent does the College use the guidelines of the regulatory bodies for developing or restructuring the curricula? Has the College been instrumental in leading any curricular reform which has created a national impact?

The Institution follows the guidelines of UGC, AICTE and alike regulatory bodies for development and restructuring of curricula. Suggestions acquired from Members of regulatory bodies are considered.

1.2 Academic Flexibility

1.2.1 Give details on the following provisions with reference to academic flexibility

- a. Core / Elective options
- b. Enrichment courses
- c. Courses offered in modular form
- d. Credit transfer and accumulation facility
- e. Lateral and vertical mobility within and across programmes and courses

Core / Elective options

- Common and core courses are offered completely from I Semester to V Semester for all UG programmes.
- Elective courses are offered along with core courses from VI to VIII semesters. Nearly 35% of the courses are elective courses from VI to VIII Semester.
- For PG programmes, out of 15 theory courses 5 are electives. Nearly 33% of the courses are electives.
- The students can choose an elective from the list of elective courses, which are normally 4 to 5 times the required electives to study.

Enrichment courses

Advanced and enrichment courses are offered as Electives during the final year UG and PG Degree Programmes.

Courses offered in modular form

Industry offered courses in modular form are under consideration for both UG and PG curriculum.

Credit transfer and accumulation facility

- Each course is normally assigned certain number of credits with 1 credit per lecture period per week, 1 credit per tutorial period per week, 1 credit for 2 periods of laboratory or practical or seminar or project work per week (2 credits for 3 or 4 periods of practical) and 1 or 2 credits for 4 weeks of industrial training. In each semester, the curriculum shall normally have a blend of lecture courses not exceeding 7 and practical courses not exceeding 4. For the award of the degree, a student has to earn a certain minimum total number of credits specified in the curriculum of the relevant branch of study. The total credits are approximately 192 to 198 for UG programmes and 69 to 72 for PG programmes.
- Transfer of students is permitted as per the rules of Directorate of Technical Education (DOTE) and the affiliating university.

Lateral and vertical mobility within and across programmes and courses

The curriculum allows lateral and vertical mobility within courses across the programmes.

1.2.2 Have any courses been developed specially targeting international students? If so, how successful have they been? If 'no', explain the impediments.

No

1.2.3 Does the College offer dual degree and twinning programmes? If yes, give details.

No

1.2.4 Does the College offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

Being a self-financing Institution, all the programmes are offered under self-financing scheme only. The following UG & PG programmes are offered:

U.G.Programmes:

1. B.E. Electronics and Communication Engineering
2. B.E. Computer Science & Engineering
3. B.Tech Information Technology
4. B.E. Electrical and Electronics Engineering
5. B.Tech Bio-Technology
6. B.E. Mechanical Engineering
7. B.E. Civil Engineering

PG Programmes

1. M.B.A. Master of Business Administration
2. M.E. Computer Science and Engineering
3. M.E. Applied Electronics
4. M.E. Structural Engineering
5. M.E. Engineering Design
6. M.E. Power Electronics and Drives

Students Admission:

- Admissions are done as per the norms of the Tamilnadu Government norms.
- 50 % of the seats are filled through centralized counseling by Government of Tamilnadu. Management quota seats are filled through an entrance exam conducted by the Consortium of Self-financing colleges.

Fee Structure:

S.No.	Programme	Govt. Quota	Management Quota
1	UG	Rs. 45,000/-	Rs. 70,000 /-
2	PG	Rs. 50,000/-	Rs. 85,000 /-

Teacher Qualification:

Teacher's qualifications are as per AICTE norms. The minimum qualifications required for a teaching position is M.E/M.Tech degree in Engineering disciplines and Master/MPhil degree for Humanities and Science.

Salary: As per AICTE Norms

- 1.2.5 Has the College adopted the Choice Based Credit System (CBCS)? If yes, how many programmes are covered under the system?

Choice based credit systems is not adopted

- 1.2.6 What percentage of programmes offered by the College follows:

- * Annual system – not offered

- * Semester system - offered

100% of the programmes are offered under semester system.

- * Trimester system – not offered

- 1.2.7 What is the policy of the College to promote inter-disciplinary programmes? Name the programmes and what is the outcome?

The Board of Management (Governing Councils) normally meets once in a year, which takes the decision on starting inter-disciplinary programmes which are relevant to the requirements of industry/society.

The college offers the following inter-disciplinary programmes:

1. M.E. Computer Science and Engineering
2. M.E. Applied Electronics

The graduates of the above - said interdisciplinary programmes would be able to involve themselves in new research realms.

1.3 Curriculum Enrichment

- 1.3.1 How often is the curriculum of the College reviewed for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

In order to keep the students abreast of the latest trends in the emerging areas and also to keep pace with the industrial needs and global competition, the curricula and syllabi are revised and enriched once in four years. However, as and when the need arises there is a provision to upgrade the curricula and syllabi.

- 1.3.2 How many new programmes at have been introduced UG and PG level during the last four years? Mention details.

- * Inter-disciplinary

- * programmes in emerging areas

1 UG Programme and 5 PG Programmes have been introduced during the last four years

U.G. Programmes:

1. B.E. Civil Engineering (2009)

PG Programmes

1. M.E. Computer Science and Engineering (2009)
2. M.E. Applied Electronics (2012)
3. M.E. Structural Engineering (2012)
4. M.E. Engineering Design (2013)
5. M.E. Power Electronics and Drives (2013)

1.3.3 What are the strategies adopted for revision of the existing programmes? What percentage of courses underwent a major syllabus revision?

- Based on the feedback received from stakeholders the re-designing of the curriculum including re-arrangement of topics and inclusion of new topics, introduction of new courses, exclusion of obsolescence or less important topics is done by the Board of Studies, if required.
- The primary strategy adopted is to have consultations with Expert Committee and Board of Studies, comprising dept faculty members, an university nominee, external academic experts, industrialist and alumnae. The opinions/suggestions/recommendations are incorporated in the syllabi.
- Nearly 30 to 40% of the courses had undergone revision based on the recommendations of the Board of Studies.

1.3.4 What are the value-added courses offered by the College and how does the College ensure that all students have access to them?

The value-added courses offered by the various departments of the Institution are listed below:

- BEC Certification Programme
- CISCO Training
- Microsoft MCTS Certification Training
- PC Troubleshooting and Installation
- Embedded System
- Labview, Matlab, PSIM
- Robotics
- Soft Computing
- NPTI Certified Programme “Familiarization of Thermal Power Plant”
- NS-2 Software and Applications
- CNC programmings, Computer Aided Manufacturing.
- ProE
- STADDPRO
- Revit Architecture

All the interested students get the opportunity to attend the above programmes as they are arranged during the weekends, summer/winter vacations. During the working days, they are offered after the college hours. The alumni are also involved in the conduct of such programmes. The infrastructure facilities available in the departments/Institution are made accessible to the students during the conduct of the programmes.



CISCO Training



MCTS Certification Training



Labview and Matlab

Labview and Matlab Course



STADDPRO Training

- 1.3.5 Has the College introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

The College has taken steps to conduct skill development programme during summer vacation as outlined by the National Skills Development Corporation.

- Job oriented skill training on Handset (Mobile Phone) Repair, TV Servicing & Retail Sales.

1.4 Feedback System

- 1.4.1 Does the College have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Class committee meetings are conducted thrice a semester . In the meetings, feedbacks from students regarding the course coverage, difficulty in understanding a particular

topic, etc will be recorded. The feedbacks are reviewed and at appropriate time during the current semester itself. During the curriculum revision, the students feedback will be considered as vital inputs. Student members are included in the Board of Studies meeting and they can give suggestions on behalf of the students in the meeting.

- 1.4.2 Does the College elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods adopted to do the same - (conducting webinar, workshop, online forum discussion etc.). Give details of the impact on such feedback.

College proposes to get the feedbacks on the curriculum from the national/international faculty for its next revision. Online forum and /or email contacts can be adopted for discussion in our college.

- 1.4.3 Specify the mechanism through which alumni, employers, industry experts and community give feedback on curriculum enrichment and the extent to which it is made use of.

Alumni

- Alumni meet is conducted every year in order to get valuable suggestions from alumni members for enhancing professional standards of our institution.

Employers / Industries:

- The students of all the departments undergo on-the-job-training (inplant training, workshop, Technical Seminar) in different industries/ institutions/research labs/ organizations.
- The expert faculty members from different Institutions across the state form part of the Board of Studies and Academic Council. The feedback of other Institutions are obtained through them and discussed in all the above forums for possible incorporation.

- 1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring effective development of the curricula?

Our Institution becomes an Autonomous Institution in the year 2012. The regulation, curricula and syllabi of all academic programmes have been framed with the help of Board of Studies of each department. The Board of Studies includes expert members not only from academics but also from relevant industries. The recommendation of Board of Studies is placed before Academic Council for discussion and approval. Taking into account the requirements of the various industries, current developments in the fields of

science, engineering and technology and the specific needs of the society, new courses are included in the curricula.

Any additional information regarding Curricular Aspects, which the institution would like to include.

We would like to highlight that the college has introduced the following usefull unique aspects in the curricula and syllabi because of its autonomous status.

- Professional English Courses based on Cambridge's BEC Programme
- BEC Preliminary and Vantage level examinations arranged in the College.
- Topics on Open Source Hardwares/Softwares included in the syllabus
- Provision in the curriculum - options to choose seminar or mini project instead of assignments for any course.
- Value added courses



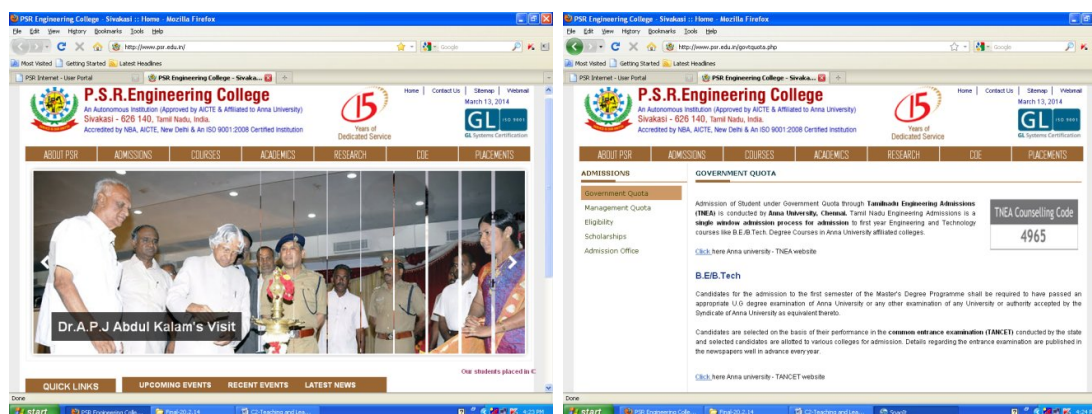
BEC Training

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 College ensures its publicity majorly through the following:****Prospectus:**

The prospectus of the college gives the information on the UG and PG programmes offered by the college, facilities available in the departments and the extra curricular activities, admission details, etc.

Website:

The candidates also come to know about the programmes offered by the college, departments and its facilities, faculty members with their qualifications, research activities, library facilities, hostel facilities, phone numbers, admission process, etc. in the college web site <http://www.psr.edu.in>.

**Newspapers:**

The various academic activities such as guest lectures by prominent experts, seminars conferences, etc are reported to the newspapers for publicity. Similarly, the extra curricular activities (NSS, YRC, RRC, Associations, Technical forums such as ISTE, IEEE, IETE, etc) and sport events are also reported to the new papers. Through this publicity the people will come to know about the academic activities and the services of the college to the society.

Transparency:

The admission process is very transparent as the selection for the government quota seats are filled by the single window admission system following the reservation rules by the Anna University under the control of Tamilnadu state government. Admission to PG programmes is done through Tamilnadu Common Entrance Test (TANCET) conducted by Anna University.

The seats under management quota are filled through a separate single window system through consortium of self-financing engineering colleges as per the guidelines of the Tamilnadu state government.

- 2.1.2 Explain in detail the process of admission put in place for UG, PG and Ph.D. programmes by the College. Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) others followed by the College?

Eligibility for Admission

- Candidates should have passed HSC of State board or equivalent with Mathematics, Physics, and Chemistry and other language subjects.
- Candidate should obtain at least 50% of marks (45% for BC/BCM, 40% for MBC/DNC, and a pass for SC/ST candidates) in the subjects (Mathematics, Physics, and Chemistry) specified taken together at HSC.
- For lateral entry admission for Diploma candidates, average marks scored in prefinal and final semesters are considered. The minimum cutoff mark for general candidate is 55%, for reserved categories: BC/BCM – 50%, MBC/DNC – 45 and SC/ST – mere pass.
- For engineering admissions the candidate should have completed 16 years of age, as on 31st December of the year of admission. There is no upper age limit.
- Candidate should have passed B.E./ B.Tech./ AMIE/ or equivalent examination for seeking admission into relevant PG courses and its specialization.

Admission through single window system (UG & PG)

- Admission to the various UG courses of study is done in accordance with the statutory provisions of the Anna University and the Government of Tamil Nadu. The seats under Government quota is filled through the single window system of admission based on Higher Secondary examination marks.
- Admission to the various PG courses of study is done through Tamilnadu Common Entrance test (TANCET) conducted by Anna University.

Admission through management (UG & PG)

- The seats under management quota are filled through a separate entrance examination conducted by the consortium of self-financing colleges in Tamilnadu.

Admission to Ph.D Programme

Admission to Ph.D programme is done entirely by the affiliating University (Anna University). Selection is based on the performance in the written test, interview, PG marks, publications, and experience.

- 2.1.3 Does the College have a mechanism to review its admission process and student profiles annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

The college adheres to the admission process of the state government as per the rules. Admission Process for Government Quota is based on Single window system conducted by Anna University Chennai and for management Quota Single window system conducted by self-financing consortium. The transparent admission process ensures admission to different categories (SC/ST, BC, MBC, etc). There is a reservation in admission for differently abled candidates and Sports persons.

- 2.1.4 What are the strategies adopted to increase / improve access to students belonging to the following categories

- * SC/ST
- * OBC
- * Women
- * Different categories of persons with disabilities
- * Economically weaker sections
- * Outstanding achievers in sports and extracurricular activities inclusion

• **SC/ST/OBC**

During the single window system, as per Government norms, certain percentage of seats is reserved for students from the SC/ST community and OBC etc. The Tamilnadu Government follows 69% of reservation in all educational institutions.

• **Women**

The admission process does not discriminate based on gender. As per the statistics, 40-45% of the candidates are women in UG programme and more than 50% in PG programmes.

Year	2013-2014 (1 st Year)	2012-2013 (2 nd Year)	2011-2012 (3 rd Year)	2010-2011 (4 th Year)
% of women candidates admitted in UG	41.10%	44.27%	41.87%	40.08%
% of women candidates admitted in PG	57.41%	73.02%	57.02%	70%

- **Differently abled**

There is special reservation for the students who come into differently abled categories as per the state government norms. Their requirements and needs are given higher importance with a special care and attention by the college administration. The college takes more care to fulfill their special needs.

- **Economically weaker sections**

College provides assistance to economically weaker sections by means of fee waiver, fee concessions, free/concessional transport, concession the hostel fees, etc. depending on their economic status on admission to the college.

- **Any other**

First Generation Graduates

For the first generation graduates in the family, the Tamilnadu State Government provides Rs. 20000/- towards tuition fees payment every year. This enhances the admission of candidates from the rural and poor background.

Year	2013-2014 (1 st Year)	2012-2013 (2 nd Year)	2011-2012 (3 rd Year)	2010-2011 (4 th Year)
No. of First Generation Graduates admitted	239	243	195	241
% of First Generation Graduates	50.64%	43.47%	39.63%	45.13%

2.1.5 Furnish the number of students admitted in the College in the last four academic years.

a) UG Admission

i) Admission in the First Year

Categories	Year 1 2013-2014		Year 2 2012-2013		Year 3 2011-2012		Year 4 2010-2011	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	26	15	27	20	21	11	24	17
ST	0	0	0	0	0	0	0	0
OBC	243	173	210	210	194	173	195	180
General	9	6	10	6	4	13	11	6
Others	-	-	-	-	-	-	-	-
Total	278	194	247	236	219	197	230	203
	472		483		416		433	

ii) Lateral Entry Admission (Direct 2nd Year)

Categories	Year 1 2013-2014 (2 nd Year)		Year 2 2012-2013 (3 rd Year)		Year 3 2011-2012 (4 th Year)	
	Male	Female	Male	Female	Male	Female
SC	6	0	5	1	8	2
ST	0	0	0	0	0	0
OBC	57	10	59	8	81	9
General	1	1	3	0	1	0
Others	-	-	-	-	-	-
Total	64	11	67	9	90	11
	75		76		101	

b) PG Admission

Categories	Year 1 2013-2014		Year 2 2012-2013		Year 3 2011-2012		Year 4 2010-2011	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	7	4	3	6	2	3	6	5
ST	0	0	0	0	0	0	0	0
OBC	37	56	31	86	47	60	38	76
General	2	2	0	0	0	2	2	3
Others	-	-	-	-	-	-	-	-
Total	46	62	34	92	49	65	46	84
	108		126		114		120	

2.1.6 Has the College conducted any analysis of demand ratio for the various programmes offered by the College? If so, indicate significant trends explaining the reasons for increase / decrease.

The admissions are done through the single window system by the Anna University and consortium of self financing colleges. The statistics released by the university shows that there is an increasing demand for engineering admissions.

2.1.7 Was there an instance of the College discontinuing a programme during last four years? If yes, indicate the reasons.

Yes, the college has discontinued MCA programme in the year 2013. The reason is lack of demand for admission.

2.2 Catering to Student Diversity

- 2.2.1 Does the College organize orientation / induction programme for freshers? If yes, give details of the duration of programme, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Yes, the college organizes orientation/induction programme for freshers every year. The programme is arranged for all the freshers in the auditorium. Principal and HOD's of various departments addresses the students for about one to one and hours duration. In their addresses, students will be apprised of the academic facilities and extracurricular activities available to them to excel in education. Then, a Psychiatrist Mr.Ragunath from Chennai will address the students for about an hour. The students are made aware the distractions they will come across during their study and the importance of avoiding them to excel in their studies. The students will be taken to different departments to get to know about the laboratories / workshops and facilities. In the afternoon, students will attend the classes. In the classes, the faculty members will explain about the curriculum structure, syllabus, evaluation pattern, examination procedure and the grading system.



- 2.2.2 Does the College have a mechanism through which the “differential requirements of student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Yes, before commencement of each programme the department head will discuss among the faculty members to identify and evaluate the needs of the students based on the feedback received from the existing students and alumni member. The competency and learning level of a student is judged from his/her qualifying examination. The cut-off secured by the candidate is a measure of his knowledge relative to others. At the commencement of the class, the teachers try to elicit the needs of the students and also to gauge their knowledge and skills. During the conduct of classes, exposure levels of the students are identified based on their performance in the class by the faculty members and suitable programmes are conducted for the needy students.

- 2.2.3 Does the College provide bridge /Remedial /add - on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

Yes, the college provides bridge / remedial / add-on courses.

Bridge course: Bridge courses are conducted for a week at the beginning of the semester by the Faculty members of the college.

Remedial courses- Remedial classes are conducted after working hours and holidays for the improvement of academically weak students.

Add-on-courses – College/Department organizes seminars, guest lectures by the experts in respective subjects and also for the development of soft skills.

Time table for sections 1 &2 in EEE seminar Hall:

Date\Time	9-10 am	10-11	11.15-12.15		1-2 pm	2-3	3.15-4.25
5.8.2013 Monday	English	Maths	Physics		Chemistry	Computing	Graphics
6.8.2013 Tuesday	Maths	Physics	Chemistry		Computing	Graphics	English
7.8.2013 Wednesday	Physics	Chemistry	Computing		Graphics	English	Maths
8.8.2013 Thursday	Chemistry	Computing	Graphics		English	Maths	Physics

Similarly, for other sections also time table available.

- 2.2.4 Has the College conducted a study on the incremental academic growth of different categories of students; - student from disadvantaged sections of society, economically disadvantaged, physically handicapped and slow learners etc.? If yes, give details on how the study has helped the College to improve the performance of these students.

Yes, several measures adopted to improve the performance of various category of students. Class advisors monitor the needs of the students. Class advisors give guidance and supervises different category of students. Model questions are prepared by the course tutors and supplied to the weak students. The students are assisted by the faculty members to purchase relevant text/reference books.

- Marks are used as indicators for identifying slow learners.
- Students are subjected to various methods of evaluation, and written tests.
- After completion of each test, students who cannot cope with the pace of learning are advised and counseled by the class advisor and make arrangement for extra classes.

- Counseling programmes, remedial classes and intensive interactive sessions boost the morale of slow learners.
- Peer-group learning methods are employed where both the slow and advanced learners are made to work together towards a common goal.
- Motivational lectures are organized to channelize their potential to achieve success.
- A conducive environment is created to achieve optimum interaction between slow and advanced learners, and to improve the communication skills of slow learners.

Several measures adopted for different classes of students have resulted in an increase in the pass percentage of students in various courses.

2.2.5 How does the institution identify and respond to the learning needs of advanced learners?

The institution identifies the advance learners based on the response of students, their pace of comprehension and assimilation, their articulation of ideas, conceptual abilities and progression in learning subjects as rated by the faculty. The institution takes special interest in identifying and promoting the advanced learners from the very beginning. The students are provided motivational talks and training by resource persons from outside as well as inside the institution which is meant to encourage them to strengthen the skills to become effective participants in their own learning process. The success of the method has been substantiated by a kind of positive transformation in the advanced learners in the following ways. (a) attaining higher grades (b) attaining more academic honors (c) developing superior intellectual curiosity (d) developing creativity and leadership skills (e) awareness of capabilities which led to high achievement.

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

As per the education code and Government policies, the institution caters to the needs of differently-abled students by providing them required facilities. The campus has well laid tar-roads which is more convenient for the above students to use wheel chair without any hindrance and difficulties. They can easily access the department, library, hostels, offices, etc. The institution strictly follows all government instructions facilitating easy and assured admission of the differently-abled students in all the courses. The institution undertakes the special functions in helping the differently-abled students in obtaining all sorts of special concessions and relaxation as students and citizens.

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 and evaluation blue print, etc.)

The college prepares an academic calendar, which includes schedule for various aspects of the college/university. The calendar will be published and distributed to the students before the commencement of semester/ academic year. The calendar is prepared by the Principal in consultation with the Heads of Departments and other administrative staff of the college. The calendar indicates the dates for Internal Assessment Tests, evaluation and submission of marks, parent-teachers meeting, end semester exam, etc. for the smooth conduct of the Teaching- Learning process.

The courses and practicals are assigned to each faculty member by the head of the department by conducting a meeting well ahead of a semester. The faculty members follow a course plan, which consists the objectives to be achieved, details of contents to be covered, the types of teaching aids to be used inside the classroom. The same will be made available to the students in the Online Learning portal. A copy of the same is circulated to the students. Teaching plan is prepared by the entire faculty concerned and submitted to the respective heads of the departments every academic year. Class timetable is prepared and displayed on the notice board. The departments also carry out internal assessment based on performance in the tests and punctuality. At the end of each semester, theory and practical examinations are conducted by the college /university and evaluation is carried out. The exam results are declared and grade sheets are issued by the affiliating University / College.

2.3.2 Does the College provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes, at the beginning of each semester, the faculty members prepare a course plan for the entire semester, for every course they handle. The course plan includes the content to be taught during the specific period of time with the precise details of the teaching methodology.

Effectiveness of the Process:

The Heads of the Departments/Principal periodically check the individual course plan of the faculty concerned. Overall adherence to the plan is assessed during the internal academic audit in every semester. Students feedback collected at the end of every semester is also considered while making the course plan and during its implementation for subsequent action.

2.3.3 What are the courses, which predominantly follow the lecture method? Apart from classroom interactions, what are the other methods of learning experiences provided to students?

The colleges as a whole and individual faculty member in each department are making a well-intended and concerted effort to move away from the teacher-centric lecture method to the learner-centric alternative pedagogy. This is the outcome of the series of seminars and workshops conducted like Wipro's Mission 10X, FDP programme by NITTTR Chennai.

Apart from the classroom interaction between student and teacher, other methods of learning experiences are also provided at our college. Creative facilitation of the Teaching-Learning process is done through in-house training, laboratory work, tutorials, group activities, creative assignments, group discussions, seminars, fieldwork, guest lectures, etc. The use of Language laboratories, mind mapping, role plays, on-the-spot studies, problem solving exercises, referral work, visits to relevant institutes & industries and sharing of learning experiences are also some of the special teaching-learning strategies.

2.3.4 How is 'learning' made more student-centric? Give a list of participatory learning activities adopted by the faculty that contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

The college always supports faculty members with many services for making the learning efficient. The college provides a central library with all the latest books and journals which the faculty can use effectively and provide comprehensive latest information to students. The students are motivated to use the library independently, which can enhance their skills and knowledge. Apart from this, college has provided seminar halls, discussion rooms where the students can participate in group discussions, debates, seminars, etc. Faculty members support and encourage every student to make use of internet, computers and latest technologies in the market to upgrade themselves in their respective field of studies. Faculty, as a facilitator, encourages students to develop through self-learning by giving appropriate assignments.

- Minimum 45/60 Hours of lectures is being imparted for every subject per semester.
- Each faculty, in consultation with HOD, prepare/discuss lesson plan(s).
- Course materials are distributed to the students.
- Faculty performance is closely monitored by respective HODs.
- Encourage faculty to develop new experimental/teaching method.

- Computing facilities, LAN and Internet facilities, e-Library facilities help the faculty members and the students in teaching learning process.

2.3.5 What is the College policy on inviting experts / people of eminence to provide lectures / seminars for students?

The college supports the departments to invite experts based on their experience in the relevant field of specialization from reputed institutes / industries, and provides necessary accommodation, remuneration/ honorarium. Concerned department takes prior permission for arranging experts lecture and approx. expenditure from the Principal. College arranges flight/train tickets and transport facilities for the experts. College has a well furnished and Air-conditioned Guest house to provide comfortable stay for the experts in the campus. The college has well furnished seminar halls for conducting the lectures /seminars.

2.3.6 What are the latest technologies and facilities used by the faculty for effective teaching? Ex: Virtual laboratories, e-learning, open educational resources, mobile education, etc.

Modern teaching aids like PowerPoint presentations, overhead projectors, LCD, audio-visuals, and Internet-enabled computer systems are usually employed by the faculty for effective teaching. The students are also encouraged to use computer software packages for meaningful analyses of the experimental data collected/acquired by them. College encourages to use online resources to ensure that our students are on par with the rest of the world in terms of utilization of e-learning resources. Resources from NPTEL and other resources are made available to the students and staff. In addition to a number of conventional resources like seminars, workshops, invited talks, digital databases, journals and a departmental library that empower the faculty, the following technologies and facilities also have been provided to equip them for effective teaching:

Teaching Aids:

Faculty members make use of variety of teaching aids that enhance student learning with both online resources and non-digital technologies. Online resources, e-readers, websites and online software, LCD Projectors, digital camera, Webcams and Educational CDs are some of them.

E-Learning:

The college has a online Learning portal. Faculty members prepare course materials, which is made available in the above portal. Also, the faculty members make use of the e-content freely available in the internet for learning purposes.

National Programme on Technology Enhanced Learning (NPTEL):

Faulty members are keen on introducing the e-learning online Web and Video courses to our students. Every department, use NPTEL course content as a teaching tool. Lecture videos, handouts and assignments of various NPTEL courses are available to students.

- 2.3.7 Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-socio guidance? If yes, give details of the process and the number of students who have benefitted.

Yes, Advisor system is functioning well in the college. Faculty members are assigned as academic advisors to the students. The academic advisor consistently monitors the academic and personal issues of the students advisees assigned to them. The advisor looks into matters regarding the Advisees' academic performance, completion of academic requirements, health follow-ups and grievances if any. Advisor also interacts with the parents on issues related to academics. The academic advisor is the first person whom the student approaches for any personal or academic guidance. Periods are allotted in the class time table for the advisors to meet the advisees as a group or as individuals. This type of activity is being done by all the departments with respect to the guidance given by their head of department. The duties of this the advisor is to carefully monitor the student activities like regularity of attendance, participation in seminars and the performance of the students in internal and external tests and semester examinations. The students are advised with some sort of remedial classes which help to improve their caliber. Faculty members act as a true friend, philosopher and guide for the students during this activity. Almost 40 - 50% of the student with lower academic base, in each class gets benefit from this process.

A mentoring system is also in place where each teacher constantly mentors the group of students on academic, professional and personal fronts. Feedback and records ensure that we keep track of each student's progress in all regards. Many students who needed assistance in personal/academic/professional matters have been mentored appropriately, thereby enabling them to handle their situations better and come out of difficult situations gracefully, not to mention learning lessons for life and building confidence and strength of character from these experiences.

- 2.3.8 Are there any innovative teaching approaches/methods/practices adopted/put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

The college believes that innovative teaching practices effectively enhances the learning process. Faculty members use modern techniques for teaching like LCD, laptops, projectors, educational CDs, latest software, etc., to enable better knowledge acquisition and absorption. In addition to making full use of audio-visual aids, teachers constantly revise their teaching methods based on student feedback, their discussion with other teachers, successful methods identified within the college and elsewhere, and new methods updated on the Internet and in journals. Regarding efforts made by the college, the college encourages all the faculty members to participate in various seminars and conferences to help broaden their outlook. They come and share their experiences with the students and other faculty members. They are also given a free hand for usage of Wi-Fi facility in our college to stay abreast of latest innovations in teaching.

The college also takes care of the faculty communities need to be updated and to keep themselves at the top notch of current technologies and latest developments in their respective fields. So, to enhance these skills, they are encouraged to use computers, library, and internet facilities to enrich their quality of teaching. The college also supports the faculty to adopt new ways, approaches and methods such as organizing conferences, seminars etc. Faculty members are encouraged to attend the national and international conferences. The faculty members who attend these conferences and seminars can share their experiences with the students. Since last four years, all the departments are taking initiatives for the introduction of innovative teaching approaches using modern tools to encourage the students. Faculty are encouraged to develop their professional skills through research activities. The innovative teaching methods adopted by the faculty in this college include:

- Incorporating recent technologies
- Teaching through projects
- Increased use of web resources.
- Research oriented teaching – projects, seminars Interdisciplinary teaching
- Use of GD, Role Play, etc., as part of class room teaching
- Focus on student centered teaching.

2.3.9 How does the College create a culture of instilling and nurturing creativity and scientific temper among the learners?

College takes special efforts to instill and nurture creativity and scientific temper among the learners by providing opportunities for the following:

Curriculum

- Academic projects

- Field work / Internship

Individual courses

- Seminars
- Creative Assignments

Co-curricular Activities

- Paper presentation at the Regional / National level conferences
- Professional Society Activities
- Participating in Academic activities at Regional and National level
- Organizing Academic activities at Departmental and Inter collegiate level
- Conducting mini project competitions

The college's main focus is to make the students to think themselves. Faculty members motivate the students to participate in the cultural events and other extra co-curricular activities to encourage the artistic temper among the students. In the same way, to encourage student's scientific temper, they are involved in the practical sessions and hands on experience in labs. These types of activities will make the students to think on their own and perform themselves better, which will be useful for them in their career. To enrich their critical thinking, students are encouraged to participate in GDs, debates, and seminars, which will help them to think and explore new ideas and can get a chance to get the feedback from the experts and eminent professionals in their area of study.

2.3.10 Does the College consider student projects a mandatory part of the learning programme? If so, for how many programmes is it made mandatory?

- * Number of projects executed within the College
- * Names of external institutions associated with the College for student project work
- * Role of the faculty in facilitating such projects

YES, for all the programs at UG and PG Levels. Projects at the UG/PG level are mandatory as per university/ Institution Norms.

The role of Faculty members in facilitating such projects:

The faculty members as the project guides facilitate the research endeavors of students through the following means:

- Ascertaining the feasibility of the student's project proposal.
- Helping the students to streamline the project.
- Guiding the students during the execution of the project.
- Teaching the intricacies of interpretation and analysis of data
- Enabling the student in writing the project report and facing the viva-voce.

Number of Projects Executed:

Dept	2013-2014		2012-2013		2011-2012		2010-2011	
	In-house	Industry	In-house	Industry	In-house	Industry	In-house	Industry
ECE	93	7	90	10	85	15	92	8
CSE	67	33	100	-	100	-	100	-
IT	100	-	91	9	100	-	100	-
EEE	100	-	100	-	100	-	100	-
Civil	100	-	100	-	NA	-	NA	-
Mech	63	37	75	25	68	32	77	23
BioTech	100	-	90	10	70	30	100	-
MBA	-	100	-	100	-	100	-	100

2.3.11 What efforts are made to facilitate the faculty in learning / handling computer-aided teaching/ learning materials? What are the facilities available in the College for such efforts?

- ❖ In-house training programmes in new technology have been periodically carried out
- ❖ Most of the departments organized training programs in relevant computer aided teaching and e-content development.
- ❖ Faculty members are periodically deputed to attend programs on new and emerging technologies.
- ❖ Access to computers, internet and computer - aided packages are available in the departments.

Facilities available in the College for computer-aided teaching:

- The college is equipped with 20 Mbps broad band internet connectivity
- Several licensed software are available.
- Uninterrupted power supply.
- E-booking facility for easy access to the students in the library.
- Air-conditioned seminar halls equipped with PA systems and LCD projector with screen almost in every department.

Faculty members are encouraged for their professional development through research activities. Faculty are encouraged to participate in FDPs organized by the college to guide project/research. All the departments in the college are well equipped with PC and internet connectivity. The faculty is also provided necessary update in the use of the technology provided. With the state-of-the-art gadgets like LCD, laptop, webcam, microphone etc., the college seeks to engage and inspire learners. Technological teaching aids provided in the institution comprising of e-Library, Language Lab, etc.

- 2.3.12 Does the College have a mechanism for evaluation of teachers by the students / alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?

Yes, the college has a mechanism for evaluation of teachers by the students. The feedbacks are collected from the students at the end of every semester by the department on teaching-learning process. The feedback by the students includes questions on Teaching learning process, faculty skill, and Evaluation. The feedback is analyzed and the outcomes are notified to the faculty concerned with verbal remarks from the HOD/Principal, which includes appreciation and suggestions for improvement. Evaluations are at times used in departments to gather better self insights and to improve the Inter-personal dynamics.

- 2.3.13 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 college has not faced such a situation till date as all the faculty members complete the syllabus in time. Course plans are prepared well before the commencement of the semester by each faculty member to avoid any ambiguity. In situations, faculty members will take extra classes in the evenings or on holidays to complete the syllabus.

The college has built-in mechanisms to ensure the syllabus completion within the planned time frame. Some of these measures include:

- A well-prepared and complete academic calendar.
- Individualized course plan prepared at the beginning of each semester.
- Monitoring by the concerned authority in the implementation of the course plans.
- Teacher's absence for long periods due to either personal / medical /maternity could also create difficulties in completing the syllabus. College management ensures proper arrangement for the completion of the curriculum through appointment of substitutes.
- The demand for intensive teaching for conceptual clarity for certain batches of students, especially I year students, extra classes are taken for the completion of the course content.

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

The Library resource is one of the main resources, which augment the teaching learning process. The college boasts a well-stocked centralized library with college and department-wise division to ensure easy, quick and efficient access to desired

data. The library continues to provide the following current awareness services in order to alert users to latest information of their interest.

- ◆ List of new entries
- ◆ Useful articles/journals
- ◆ News Items

The catalogues from different publishers are filed and readily available for reference. The range of subjects represented by the library collection reflects our college's ever growing zeal for recent areas of study and research. Many faculty members have their personal collections of large numbers of books, and they share the same with colleagues and students. They also utilize the wi-fi facility to update their knowledge through internet resources. Students are encouraged to utilize the library in many ways. One hour of library time are incorporated into the timetable of each class, and staff assist students in choice of books/topics during these hours. Students are issued with library cards and can borrow books of their choice.

In essence, the Library has truly become what we intended it to be a great place for acquiring new knowledge, enriching existing skills and knowledge, and being exposed to newer fields of study and research, in addition to being "connected" to the outside World through the Internet.

The library manages to cater to the needs of faculty members and students with access to books and journals.

- The central library functions on all days except Sundays
- The books in the general library are categorized as Reference and text book.
- Books for Competitive Examinations are issued to the students
- E-resources are hosted through Local Area Network to different departments.
- The Librarian helps the departments to purchase the latest edition of the books as per the requirement of the teachers.
- Provisions for ordering books online are also in practice.
- Frequent book exhibitions on campus facilitate Faculty members to select the books of their choice which is needed for teaching.
- OPAC – Online Access Systems have been implemented.

The students are continuously encouraged by the faculty members to use the library services. Students can borrow books using their ID card issued by the college. Library welcomes suggestions from all members of the college community for the acquisition of materials, which support the college's teaching and research programmes. Access to the library is managed electronically by using ID card with Bar code. Library is open for use from 8.30 a. m. to 6.30 p.m. Users can easily search and locate reading materials with the help of user friendly software.

- 2.3.15 How does the institution continuously monitor, evaluate and report on the quality of teaching, teaching methods used, classroom environments and the effect on student performance.

Performance of the faculty members are judged based on the following criteria:

- Results achieved by the students in tests and semester examinations.
- Visits to the classes by higher authorities for real time assessment of teaching quality.
- Student feedback collected at the end of each semester.

Performance appraisal of each faculty member is analyzed based on the criteria of exam results of the students, regularity, punctuality and cooperation in college activities. College arranges corrective programs for teaching and non-teaching staff to ensure students' learning process is not hampered at any point. The quality of teaching-learning is of utmost importance to the college. The assessment made by the Principal based on the student responses is invariably passed on to the faculty for improvement.

2.4 Teacher Quality

- 2.4.1 What is the faculty strength of the College? How many positions are filled against the sanctioned strength? How many of them are from outside the state?

Faculty strength of the College is 164.

All positions are filled against the sanctioned strength.

There is no faculty member from outside the state.

- 2.4.2 How are the members of the faculty selected?

Faculty selection is done by the interview selection committee consists of Principal, HOD, and an expert from other Institutions (viz., NIT Trichy, Thiagarajar College of Engg and Govt. Engineering Colleges, etc). A nominee of the Management also present in the selection committee. The process of selection consists of a brief lecture by the applicant followed by a technical interview. The AICTE/ Affiliating university norms for the qualification and experience are strictly followed. This is periodically done based on requirement as per the student staff ratio and to meet the changes in the curriculum.

2.4.3 Furnish details of the faculty

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	9	2	3	0	2	1	17
M.Phil.	-	-	-	1	14	11	26
PG	-	-	10	5	62	44	121
Temporary teachers - Nil							
Ph.D.							
M.Phil.							
PG							
Part-time teachers - Nil							
Ph.D.							
M.Phil.							
PG							

2.4.4 What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that what percentage of teachers are with PG as highest qualification?

There are no teachers qualified with UGC-CSIR-NET, UGC-NET, and SLET exams. This requirement is not applicable to our College.
Hundred percent (100%) of the teachers of our College are with PG qualification.

2.4.5 Does the College encourage diversity in its faculty recruitment? Provide the following departments-wise details.

Department	% of faculty who are product of the same College	% of faculty from other Colleges within the State	% of faculty from other States	% of faculty from abroad
ECE	26.92	96.16	3.85	-
CSE	24	92	8	-
IT	25	100	-	-
EEE	31.25	100	-	-
Mech	11.11	94.44	-	5.56%
Civil	-	100	-	-
BioTech	12.5	100	-	-
MBA	20	100	-	-
H&S	-	100	-	-

- 2.4.6 Does the College have the required number of qualified and competent teachers to handle all the courses for all departments? If not, how do you cope with the requirements? How many faculty members were appointed during the last four years?

Yes, the college has the required number of qualified and competent teachers to handle all the courses for all departments.

The numbers of faculty members appointed during last four years:

Academic Year	No. of faculty members appointed
2013 – 2014	43
2012 - 2013	47
2011 – 2012	32
2010 - 2011	35

- 2.4.7 How many visiting Professors are on the rolls of the College?

No visiting Professors are on the rolls of the College.

- 2.4.8 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, nomination to national/international conferences/Seminars, in-service training, organizing national/international conferences etc.)

College is assisting the faculty members to apply for research grants from funding agencies. On duty leave is provided to the faculty members in connection with research activities. Faculty members are permitted to attend National / International Conferences / Seminars on duty leave. Provision is made in the College to provide financial assistance to the faculty members to present papers at International Conferences abroad.

In service training is given to the faculty members to improve their knowledge in their field of specialization and teaching skills. National Conferences / Seminars / Workshops are conducted by the various departments to inculcate the R&D activities.

- 2.4.9 Give the number of faculty who received awards / recognitions for excellence in teaching at the state, national and international level during the last four years.

College has instituted cash awards to the faculty members who have produced 100% pass percentage and also for above 90%. Every year, the college usually honours

those faculty members for excellence in teaching with cash awards on the occasion of College Day function.

2.4.10 Provide the number of faculty who have undergone staff development programmes during the last four years. (Add any other programme if necessary)

Academic Staff Development Programmes	Number of faculty
Refresher courses	90
HRD programmes	13
Orientation programmes	11
Staff training conducted by the College	71
Staff training conducted by University/other Colleges	98
Summer / winter schools, workshops, etc.	14
Any other (please Specify)	-

2.4.11 What percentage of the faculty have

- * been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies
- * participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies
- * presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies
- * teaching experience in other universities / national institutions and others
- * industrial engagement
- * international experience in teaching

Department	Resource Persons	Participation in external workshops/Seminars /Conferences	Presenting papers	Teaching exp. in other places	Industrial Engagement	International experience in Teaching
ECE	11.54	100	69.23	42.31	26.9	3.8
CSE	16	80	40	48	24	-
IT	8.3	100	66.7	33.3	-	-
EEE	18.8	81.3	56.3	31.3	12.5	-
Mech	11.1	94.4	8.3	61.1	5.6	-
Civil	6.7	66.7	66.7	46.7	40	-
BioTech	-	100	25	25	-	-
MBA	30	80	40	30	60	-
H&S	-	33.3	33.3	66.7	7.4	3.7

2.4.12 How often does the College organize academic development programmes for its faculty, leading to enrichment of teaching-learning process?

- * Curricular Development
- * Teaching-learning methods
- * Examination reforms
- * Content / knowledge management
- * Any other (please specify)

Curricular Development: Board of studies meeting is conducted once in a year to frame / reform curriculum and syllabi. In addition, Staff development programmes are conducted in collaboration with Anna University and also Management.

Teaching-learning methods: Faculty development programmes and in-service training are conducted once in a year to enrich their teaching-learning methods. For example, Mission 10X programme by Wipro, NITTTR's programme on Teaching and Learning are conducted.



FDP by NITTTR



FDP by NITTTR



Wipro's Mission 10X



Wipro's Mission 10X

Examination reforms: Being an autonomous institution, some examination reforms in the internal assessment and external examination marks are done.

Content / Knowledge Management: Guest lecture classes and e-learning programmes are also conducted. An average of 5 to 6 guest lectures are conducted by most of the departments. On-line learning (Moodle) training is given to new faculty members on their joining.

2.4.13 What are the teaching innovations made during the last five years? How are innovations rewarded?

Teaching innovations during the last five years:

- LCD & Over Head Projector (OHP) for presentation of contents.
- Internet Bandwidth is increased
- On-line Learning (Moodle) software is introduced for teaching-learning process.
- CDs for Courses.
- Softwares packages are used for demonstrating the concepts.

Teaching innovations are used to update the recent trends in Science and Technology and it is useful to the students to present the topics in Workshops / Seminars / Conferences and project preparation. Students are motivated to present seminar as to help them to select their project and research topics.

2.4.14 Does the College have a mechanism to encourage

- * Mobility of faculty between institutions for teaching?
- * Faculty exchange programmes with national and international bodies?

If yes, how have these schemes helped in enriching quality of the faculty?

Mobility of faculty between institutions for teaching:

Faculty members are permitted to take guest lecturers in other institutions with on duty leave. Faculty members are permitted to act as resource persons in Workshops / Seminars / Conferences conducting by other institutions with on duty leave.

Right now, there is no Faculty exchange programmes with National and International bodies.

2.5 Evaluation Process and Reforms

2.5.1 How does the College ensure that all the stakeholders are aware of the evaluation processes that are operative?

The regulations, curricula and syllabi of all the programmes offered by the college are available in the college website. Hard copies of the above also made available. The regulations contain the details of the evaluation patterns and processes. Assignment of grades, calculation of CGPA and the criteria for awarding degree with first class and distinction also mentioned in the regulations. Code of conduct for examination for both students and staff also available. Evaluation processes are

explained to the freshers during orientation programmes. Class advisors and course tutors ensure that all the students are aware of the evaluation processes.

- 2.5.2 What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system?

Major Reforms:

- The College forms board of examiners separately for central valuation of each category (humanity and sciences, engineering and technology disciplines) consisting of a Chairman, Chief Examiners and Examiners.
- The college also provides for revaluation of the answer scripts as well as supplying Xerox copies of the evaluated answer scripts. On the recommendations of HOD and Principal, the answer scripts are revalued by appointing different examiners.
- In case the student is not satisfied with the outcome of the revaluation or the marks obtained by him, university has a provision to go in for a 'challenge'. However the marks obtained by the student will be the best of all the above.
- The institution continuously reviews the evaluation process done internally and necessary changes as and when applicable/ required are implemented.
- Three hour model exam as per the end semester examination pattern are conducted. In addition to the above, regular assignments are also part of the evaluation process.
- All the processes of examination and evaluation are automated using a custom made GEIS software package.
- This automation facility is available to all the departments through intranet facilities. Daily attendance of the students and marks scored in the internal and other examinations are entered in the above system. Faculty members can take report of the above and analyze the performance.
- Performance and result analysis are useful to find out the weak students so that special efforts can be made on them to improve their performance.
- The credit system for each course is introduced for UG and PG degrees.
- COE use the above facility to take statistics on the students scores and performance.
- Further, the following is also possible in the automated examination processes. Generation of Hall Ticket, nominal roll (Register number and subjects registered), attendance, and dummy registration numbers for the end semester examinations.

Major Impacts:

- Examination and evaluation processes are fair and transparent for the satisfaction of all the stake holders.
- Very fast and secure system which minimizes errors and mistakes.

- Weak students can be easily identified through the reports generated by the system and they can be given attention without delay.
- Results are able to declared within 15 to 20 days time from the last date of examination.

2.5.3 What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?

The following continuous evaluation methods are used for the students:

- ❖ Three Internal Assessment Tests for a course (60% weightage)
- ❖ Assignment and/or seminar or mini project (30% weightage)
- ❖ Attendance (10%)
- ❖ Model Examination for both theory and practical courses.

With the every stage of the above processes, students progress in academic is ensured.

2.5.4 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigour of the internal assessment process?

25 % of the total marks is earmarked for continuous internal assessment.

Assessment	Weightage	Marks
Internal Assesment Test-1	20%	5
Internal Assesment Test-2	20%	5
Internal Assesment Test-3	20%	5
Assignments/Seminar/ mini project	30%	7.5
Attendance	10%	2.5
Total Marks		25

2.5.5 Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?

Yes, the College adheres to the declared examination schedules.

2.5.6 What is the average time taken by the College for declaration of examination results? Indicate the mode / media adopted by the College for the publication of examination results e.g., website, SMS, email, etc.

The average time taken by the College for declaration of examination results is from 15 to 20 days time from last examination date.

The mode / media adopted by the College for the publication of examination results are through SMS service and College website.

2.5.7 Does the college have an integrated examination platform for the following processes?

- * Pre-examination processes – Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.
- * Examination process – Examination material management, logistics.
- * Post examination process – attendance capture, OMR based exam result, auto processing, generic result processing and certification.

Yes, College has an integrated examination mechanism for the above mentioned processes.

2.5.8 Has the College introduced any reforms in its Ph.D. evaluation process?

College has no role in framing the Ph.D evaluation process as per the norms of the affiliating University.. Selection of candidates for Ph.D programmes and their evaluation are done by the affiliating University.

2.5.9 What efforts are made by the College to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved process and functioning of the examination division/section?

College has taken many efforts to streamline the operations at the office of the Controller of Examination.

- There are two Deputy Controller of Examinations (DCOE) assisting the Controller of Examination (COE) in all his activities.
- One computer data entry operator who will take care of the entry of data in the automation system.
- Latest office equipments such as Printers and Photocopier machines are added to office of COE. These are used to print question papers, Mark sheets, etc.
- Schedule of Internal assessment test and end semester examinations for both theory and laboratory courses are prepared in advance.
- Disbursal of necessary materials to the external /internal examiners for smooth conduction of examinations.

- Preparing a) The attendance sheet b) Invigilator schedule c) Physical arrangements and related matters
- The Schedule of Examinations and Academic calendar and other information related to the conduct of examinations are published in the college website.
- Conduct of question paper scrutiny meeting and Result Passing Board meeting.
- Maintaining the data base of the students.

2.5.10 What is the mechanism for redressal of grievances with reference to evaluation?

- Students have access to the internal marks. Students can have discussion with the course tutor / class Advisor and the HoD in the case of any disagreement.
- Retests are arranged for the students with valid reasons and with the permission of the HOD.
- The College allows the students to apply for revaluation of the end semester examination papers. They can get photo copy of the answer scripts and take decision whether to go for revaluation or not.
- Students also can exercise the 'Challenging' option for valuation of answer scripts.

2.6. Student Performance and Learning Outcomes

2.6.1 Does the College have clearly stated learning outcomes for its programmes? If yes, give details on how the students and staff are made aware of these?

Yes, College has clearly stated learning outcomes for its programmes. These outcomes are disseminated to the students concerned through course delivery plans. Course delivery plans for every course is made available to the students through on-line learning (Moodle) system. Hard copies are also distributed to the students.

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

The College monitor and ensure the achievement of learning outcomes through the following:

- Marks scored in Internal Assessment Tests.
- Marks scored in model examinations.
- Feedback from the students.
- Class Committee meetings
- Discussion with students by class advisors during tutor hours.
- Pass percentage
- Completion rate of the students, etc.

Corrective actions to achieve learning outcomes:

- By conducting extra classes
- Counseling involving parents and student concerned
- Remedial teaching for the weak students.
- Personalized coaching after working hours and on holidays.

2.6.3 How does the institution collect and analyze data on student learning outcomes and use it for overcoming barriers of learning?

The Institution collects the result analysis course wise from the departments concerned.

Principal gets feedback from the students. If necessary, additional coaching classes are given to weak students. Counseling also will be given to motivate them.

2.6.4 Give Programme-wise details of the pass percentage and completion rate of students.

UG Programmes:

UG Programme	2012-2013	2011-2012	2010-2011	2009-2010
ECE	89.3	78.6	86	88.2
CSE	77.2	76.84	77	76
IT	71.4	68.3	81.8	87.8
EEE	81.53	75.38	81.25	80.3
Mechanical	91.66	92.42	75.38	96.87
Civil	81.97	-	-	-
BioTech	100	94.11	100	100

PG Programmes:

PG Programme	2012-2013	2011-2012	2010-2011	2009-2010
MBA	89.28	70.17	60	60.34
M.E. Computer Science & Engineering	94.12	100	100	-
Not applicable for other PG programmes as they started in 2012 & 2013				

Any additional information regarding Teaching, Learning and Evaluation, which the institution would like to include.

- Questions are set to test the different components of the knowledge level of the students as per the 'Bloom's Taxonomy'

- Questions papers are set with easy, moderate and challenging questions. This system clearly distinguishes the different learning level of the students as slow learners, average learners and advanced learners.
- As per the above, the students who are scoring A & S grade have analytical and application ability and they can be termed as advanced learners. The students who are scoring C & B grades can be easily identified as average learners. The students who are scoring D grade and less can be identified as slow learners.

A Template for Question Paper Analysis



P.S.R. ENGINEERING COLLEGE SIVAKASI-626 140
(An Autonomous Institution, Affiliated to Anna University, Chennai)



MODERATION OF QUESTION PAPER

INTERNAL ASSESSMENT TEST #1					
Programme:	B.E.	Branch	Mechanical Engineering		
Acad. Year:	2013-2014	Year/Semester	II Yr/ IV Sem		
Course Code:	12ME46	Course Name	Electronics And Microprocessors		
Maximum Marks:	60 Marks	Date of Test	27.01.14	Duration	1.30 hrs
Course Tutor(s):	Section-1: Dr.P.Ranjith Kumar/ECE, Section-2: Mr.N.Rajesh/ECE				

Qn.No	Competence Category						Qn level			COs
	Remembering (a)	Understanding (b)	Applying (c)	Analysing (d)	Evaluating (e)	Creating (f)	E	M	C	
1)										
2)										
3)										
4)										
5)										
6)										
7) a. i.										
a. ii.										
b. i.										
b. ii.										
8) a. i.										
a. ii.										
b. i.										
b. ii.										
9) a. i.										
a. ii.										
b. i.										
b. ii.										
Total										
%										

Desirables: a + b = 30% to 40%, c + d + e + f = 60% to 70%
E – Easy (50%), M-Moderate (30%), C – Challenging (20%)

Signature of the Course Tutor

Remarks:

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

The college has a research and development committee to coordinate the activities related to research. The committee is headed by the principal with faculty members having Ph.D. qualification as its members. The college has a policy to encourage research activity by conducting seminars, guest lectures, subscribing to journals, e-library, providing on-duty leave, etc.

Due to encouragement and motivation from research committee,

- Computer Science and Engineering Department becomes a recognized research centre of Anna University, Chennai.
- 10 faculty members have been recognized as research supervisors for guiding research scholars by Anna University.
- About 21 faculty members have registered Part-time Ph.D.
- Eight project proposals have been submitted to the funding agencies.
- One funded project has got grant Rs. 17 Lakhs from DST under Fast Track scheme.
- Number of publications in national/international journals and conferences has been improved

3.1.2 What is the policy of the College to promote research culture in the College?

- To increase the number of Ph.D. holders in the departments
- Periodically review the progress of sanctioned projects to ensure timely completion.
- To encourage faculty members to publish research findings in reputed referred journals.
- To provide on-duty (OD) leave for attending conferences

3.1.3 List details of prioritised research areas and the areas of expertise available with the College.

Sl.No	Name of the Faculty	Area of Expertise
1	Dr.K.R.Viswanathan	Thermal Engineering
2	Dr.P.Marichamy	Mobile Communication
3	Dr.K.Valarmathi	Process Control
4	Dr.P.Ranjith Kumar	Embedded System
5	Dr.K.Rubasounder	Image Processing

6	Dr.Vimaladevi	Networks
7	Dr.Pitchipoo	Multi criteria Optimization
8	Dr.S.Ramesh	Power System
9	Dr.S.Robert Ravi	Retrofitting of Concrete Structures
10	Dr.K.Subramanian	Physio Toxicology
11	Dr.R.Srinivasan	Nano Materials
12	Dr.S.Johnson Raja	Bio Inorganic
13	Dr.M.Kavitha	Graph Theory
14	Dr.N.Jeyabalan	Linear Algebra
15	Dr.S.Essakimuthu	Coordinate Chemistry
16	Dr.S.Sudharsan	Bio Inorganic
17	Dr.S.K.Rajamannar	Commerce

3.1.4 What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/projects?

- * advancing funds for sanctioned projects
- * providing seed money
- * autonomy to the principal investigator/coordinator for utilizing overhead charges
- * timely release of grants
- * timely auditing
- * submission of utilization certificate to the funding authorities

The college administration and management are committed to support and ensure smooth implementation of research projects, support to the project investigators, timely auditing, submission of utilization certificate and creation of new facilities.

3.1.5 How is interdisciplinary research promoted?

- * between/among different departments of the College and
- * collaboration with national/international institutes / industries.

College is very much interested to promote interdisciplinary research projects and making collaboration with national/international institutes / industries.

3.1.6 Enumerate the efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students?

- Every academic year conferences are conducted by various departments and researchers from various fields visit the campus and interact with our faculty members and students.

- Our faculty members visit the institutes of repute and industries and interact with the eminent persons related to the funded projects.
- Dr.V.Murugesan, Research Director of Anna University visited our college and interacted with our faculty members. He gave a lecture on the areas for potential research. He also guided our faculty members for writing project proposals.

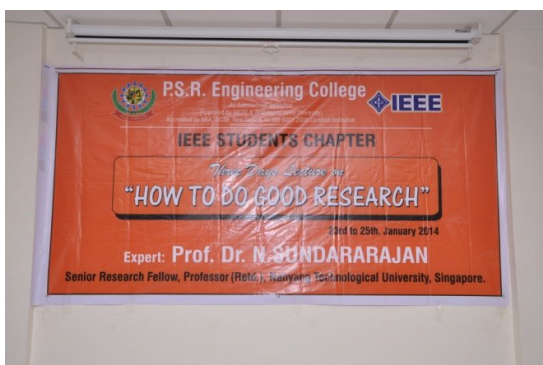


Dr.V.Murugesan (sitting 2nd from Left), Research Director of Anna University on Inauguration



Dr.V.Murugesan, Research Director of Anna University interacts with our faculty members

- Dr.N.Sundarrajan from Nanyang Technological University, Singapore visited our college and gave 3 days lecture on how to good research to our faculty members and PG students.



Dr.N.Sundararajan, Nanyang Technological University, Singapore on 3 days Seminar on 'How To Do Good Research'.

3.1.7 What percentage of faculty have utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?

The following provisions made available to the faculty members have resulted in increasing research activities and research culture among the faculty members:

The college provides on duty leave to the faculty members for participation in national and international conferences and present papers. Faculty members also can avail on duty leave

to meet their external guides regarding their research. The college has a provision to provide leave for completion and submission of thesis. Faculty members are encouraged to publish papers in the reputed journals with impact factor. The college through cash incentives rewards such publications. Basic required infrastructures like computers, internet, wi-fi, library facilities, photocopying and printing facilities are provided to the research activities.

3.1.8 Provide details of national and international conferences organized by the College highlighting the names of eminent scientists/scholars who participated in these events.

Date(s) of Conference	Name of the Conference	Department Organized	Eminent persons participated
21.03.2014	National Conference on Emerging Communication Trends – NCECT’14	ECE	Dr.S.Md.Mansoor Roomi Assoc. Prof, Thiagarajar College of Engg, Madurai.
20.03.2014	International Seminar on “ICT – A Boon for Higher Education”	P.S.R.Engg College and NITTTR Chennai	16 foreigners and Dr.A.V.Ram Prasad, Principal, KLN College of Engg, Madurai.
3.08.2013	National Conference on BioSpark’13	BioTech	Dr.Prathaban, Director, Tamilnadu Agriculture University, Coimbatore.
26.04.2013	National Conference on Recent Advancements in Civil Engineering	Civil	Er. Justin Kaiser, Structural Engineer, Al-Alia trading & Contracting Company, Qatar
19.04.2013	National Conference on Recent Trends in Computing, Communication and Technology RECANT’13	CSE	Dr.K.Ramasamy Principal, PSRR College of Engineering for Women, Sivakasi
01.03.2013	National Conference on Research Advances in Mechanical Engineering	Mechanical	Dr. M. Nataraj Professor / Mechanical Government College of Technology, Coimbatore
08.12.2012	19 th regional Conclave on Enhancing Occupational Safety and health: Effective	MBA	Mr. K.T. Rajendara Balaji, Hon’ble Minister for Information and Special Programmes Implementation Government of

	Implementation of Safety, Health and Environment (SHE) Culture in Fireworks Industries		Tamilnadu Gp.CPT. R. Vijayakumar, VSM Executive Director, MMA, Chennai Dr. R.K. Elangovan, Director, Regional Labour Institute, Chennai
23.03.2012 & 24.03.2012	National Conference on Recent Trends in Computing, Communication and Technology	CSE	Dr. Kannan Balasubramanian Professor / CSE, Mepco Schlenk Engineering College, Sivakasi
25.03.2011 & 26.03.2011	National Conference on Recent Trends in Computing, Communication and Technology	CSE	Dr. K. Vijalakshmi Professor / IT, Mepco Schlenk Engineering College, Sivakasi
26.03.2010 & 27.03.2010	National Conference on Emerging Trends in Power Engineering	EEE	Dr. V. Subbiah Bharathi, Principal, DMI College of Engineering, Chennai.



International Seminar on “ICT: A Boon For Higher Education” in the College on 20.3.2014.



National Conference on Recent Trends in Computing, Communication and Technology - RECANT'13 on 19.4.2013



National Conference on Emerging Communication Trends – NCECT'14 on 21.3.2014

3.1.9 Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the community (lab to land).

The college promotes research culture among the faculties and students and advocates publication of their contributions.

- College conducts conferences to share the findings of the research to the research community.
- The findings of the research are presented at various national and international conferences by the faculty and students.
- The findings of the research are presented at various national and international journals.

3.1.10 Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.)

Name of the Faculty	Department	Research activity
Dr.P.Marichamy	ECE	Guiding students research
Dr.K.Valarmathi	ECE	Guiding students research
Dr.K.Rubasounder	CSE	Guiding students research
Dr.K.Vimaladevi	CSE	Guiding students research
Dr.S.Robert Ravi	Civil	Guiding students research
Dr.P.Pitchipoo	Mech	Guiding students research
Dr.S.Johnson Raja	H&S	Guiding students research
Dr.R.Srinivasan	H&S	Leading Research Project

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 for last four years.

Major Heads of Expenditure	Amount Utilized			
	2013-2014	2012-2013	2011-2012	2010-2011
Journals/Magazines	3,11,614	1,18,771	1,72,367	1,72,367
e-journals	6,90,596	1,82,954	1,17,357	1,17,357
Internet	10,62,173	9,32,632	8,94,074	4,24,134
Seminars	41,000	38,000	37,000	30,000
Conferences	21,000	1,34,000	40,000	70,000

3.2.2 What are the financial provisions made in the College budget for supporting student research projects?

College provides financial support to the student in their graduation projects based on the

recommendation of the department. Also, organizes project competitions and awards the students with prizes and certificates. College/ Department infrastructures are made available to the students for doing projects during and after working hours.

- 3.2.3 Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?

Yes, the college has a provision to provide financial support to the faculty for research activities. Provides on-duty leave to faculty for participating and presenting papers at national level seminar, conferences. The college also has a policy to support the faculty members financially for attending and presenting papers at International Conferences.

- 3.2.4 Are there any special efforts made by the College to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents.

College encourages faculty to file patents. To create awareness on patents college has conducted a seminar.



Mr.P.Balamurugan, Asst. Controller of Patents and Designs , Chennai talks on Intellectual Property Rights and Patents on 15.3.2013.

- 3.2.5 Provide the following details of ongoing research projects:

	Year wise	Number	Name of the project	Name of the funding agency/ Industry	Total grant received
A. College funded					
Minor projects					
Major projects					
Along with Industry					
B. Other agencies - national and international (specify)					
Minor projects	2013	1	Inspire	DST	9.75 Lakhs
Major projects	2013	1	Fast	DST	17

	Year wise	Number	Name of the project	Name of the funding agency/ Industry	Total grant received
A. College funded					
			Track		Lakhs
C. Industry sponsored	Nil				

3.2.6 How many departments of the College have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.

Computer Science and Engineering department has been recognized as a research centre by Anna University, Chennai. Due to the recognition, many faculty members of our college got an opportunity to register for part-time Ph.D. Many faculty members become recognized research supervisors of Anna University and guiding research scholars.

Department	Date of the Event	Name of the Event	Financial Support from	Amount
CSE	19.04.2013	National Conference on Recent Trends in Computing, Communication and Technology	DRDO	Rs.25000/-
ECE	1.11.2012 & 2.11.2012	Two Day DRDO Sponsored National Seminar on “Statistical and Soft Computing Techniques for Image Processing”	DRDO	Rs.30000/-
CSE	23.03.2012 & 24.03.2012	National Conference on Recent Trends in Computing, Communication and Technology	DRDO	Rs.25000/-
Mech	7.03.2012 – 13.03.2012	Training and awareness Program on the application of	TNSCST	Rs.40000/-

		Solar and Electrical Pumps for Agriculture Use		
CSE	25.03.2011 & 26.03.2011	National Conference on Recent Trends in Computing, Communication and Technology	DRDO	Rs.25000/-
EEE	26.03.2010 & 27.03.2010	National Conference on Emerging Trends in Power Engineering	DRDO	Rs. 30000/.

- 3.2.7 List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/National/International agencies). Nil

3.3 Research Facilities

- 3.3.1 What efforts are made by the College to keep pace with the infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?

College provides computer with internet facilities to the faculty members to carry out research. Every year college renews the subscription of e-journals, which are very useful for getting literature for research. Arranges national level conferences in the college so that researchers from different parts of the country can meet and exchange their research findings. Proposed to conduct international conferences also. College has a provision to sanction and procure the required equipments that are required for research. Provides on-duty leave to the researchers for attending conferences. Committed to support the scholars for attending international conferences abroad.

- 3.3.2 Does the College have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility.

College has Central as well as departmental libraries. These are available to researchers. Library has good references and National and International journals.

- Institutional email ids are provided to the faculty members.
- Wifi provided in the college facilitates the faculty members to use their laptops any where inside the campus for their research activities.
- Laser printers are available in the departments for good quality printing.
- ISDN telephone facility is available in the departments for the benefit of faculty members and research scholars.

3.3.3 Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?

The college doesn't have residential facilities. However, they can stay in the hostel and involve in research activities.

3.3.4 Does the College have a specialized research centre/ workstation to address challenges of research programmes? If yes, give details.

- Each department has been well equipped with sufficient number of computer systems with internet nodes for computing purposes and research.
- Laboratories are equipped with latest hardwares and softwares, which are suitable for conducting research.
- Each department has well sophisticated – fully air conditioned seminar hall with LCD projector and PA system.
- These seminar halls are very much used for conducting conferences, seminars, workshops, Doctoral committee meetings, etc.

3.3.5 Does the College have research facilities (centre, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

Computer Science and Engineering department has been recognized as a research centre by Anna University, Chennai. Research scholars make use of the facilities available in the centre to carry out their research.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the College through the following:

- * major papers presented in regional, national and international conferences
Total number of papers presented in conferences : 319
- * publication per faculty
Total number of journal publications (Since 2010) : 139
publication per faculty : $139/164 = 0.848$
faculty serving on the editorial boards of national and international journals

Sl. No.	Name of Faculty	Editorial Board
1	Dr.K.R.Viswanathan	Guest Editor for Special issue in “International journal of computer aided engineering and technology”
2	Dr.P.Pitchipoo	

3	Dr.K.Vimala Devi	AIRCSE Journal
4	Dr.P.Pitchipoo	Conference Proceeding “Pyro Tech 2013”
5	Dr.S.Johnson Raja	
6	Ms.N.Rajeshwari	Conference Proceeding “ICAMA 2011, ISBN: CORP-000187”

- * faculty members on the organization committees of international conferences, recognized by reputed organizations / societies.

Sl. No.	Name of Faculty	Editorial Board
1	Dr.P.Pitchipoo	National Conference on “Pyro Tech 2013” Organized by Petroleum and Explosives Safety Organization, Ministry of Explosives, Government of India, Dated on, November 22-23, 2013.
2	Dr.S.Johnson Raja	

- * faculty members recognized as research supervisors

Department	No. of faculty members recognized as research supervisors	
	Parent University	Other Universities
ECE	2	2
CSE	2	2
EEE	1	-
Mech	1	2
Civil	1	1
H&S	3	2

- * faculty members recognized as reviewer in journal

Name of the Faculty	Department	Reviewers for Reputed Journals
Dr.P.Marichamy	ECE	- IEEE Communication Letters - International Journal of Medical Imaging
Dr.P.Pitchipoo	Mechanical	- International Journal of Production research - International Journal of Applied Decision

		science Operational Management Research and Cellular Manufacturing System
Dr.S.Ramesh	EEE	- Applied Soft Computing - Electric Power and Energy Systems - Electric Power and Component Systems - Engineering Optimization
Dr.S.Robert Ravi	CIVIL	- International Journal of Applied Engineering Research - International Journal of Earth Sciences and Engineering - International Journal of Innovative Research Engineering and Technology
Dr.K.Rubasoundar	CSE	- International Journal of Pattern Recognition - International Journal of Biometrics and Bioinformatics - International Journal of Technology Knowledge and Society - International Journal of Pattern Research - Indian Journal of Scholarly Research
Dr.K.Valarmathi	ECE	- International Journal of Applied Mathematical Modeling - International Journal of Applied Mathematical Computation - Brazillian Journal of Chemical Composite
Dr.K.Vimala Devi	CSE	- IEEE Communication Letters - International Journal of Network Management - International Journal of Communication System - AIRCSE Journal

3.4.2 Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?

No

3.4.3 Give details of publications by the faculty:

- * number of papers published in peer reviewed journals (national / international)
- * Monographs
- * Chapters in Books
- * Editing Books
- * Books with ISBN numbers with details of publishers
- * number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact factor – range / average
- * h-index

Department	Number of papers in Journals	Number listed in international Database	Total Citation	Impact factor Range	h-index
ECE	19	3	47	0.57-1.58	3
CSE	21	2	104	0.322-2.63	4
EEE	6	1	23	0.24-2.14	4
Mech	8	2	7	0.28-1.46	2
Civil	10	1	-	1.67	-
IT	4	1	-	-	-
BioTech	12	17	-	0.4-0.8	-
MBA	7	-	-	-	-
H&S	53	5	400	0.33-4.6	8

3.4.4 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty.
Average number of Ph.D. scholars being guided by research supervisors of our college is 2.5.

Sl.No.	Name of the Research Supervisors	Department	No of Students being guided
1	Dr.P.Marichamy	ECE	5
2	Dr.K.Valarmathi	ECE	8
3	Dr.K.Rubasounder	CSE	11
4	Dr.K.Vimaladevi	CSE	6

5	Dr.S.Robert Ravi	Civil	6
6	Dr.P. Pitchipoo	Mech.	2
7	Dr.S. Johnson Raja	H&S	4
		Average	2.5

3.4.5 What is the stated policy of the College to check malpractices and misconduct in research?

The college entrusts the students and research scholars and their supervisors to ensure the research work undertaken is devoid of malpractice and misconduct. However, the college has arranged a 3 days guest lecture on 'How to do Good Research' by Dr.N.sundarrajan, Nanayang Technological University, Singapore. In his lecture he has covered the ethics to be followed in the research. Also he has explained the researchers of effects of malpractices and misconduct and how it will affect their career.

3.4.6 Does the College promote interdisciplinary research? If yes, how many inter departmental / inter disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavour.

Yes, the college encourages and promotes interdisciplinary research.

3.4.7 Mention the research awards instituted by the College.

The college has not instituted any research award. However, the college encourages the faculty members by providing incentives for their publications.

3.4.8 Provide details of

- * research awards received by the faculty
- * recognition received by the faculty from reputed professional bodies and agencies
 - Our faculty members in CSE, ECE, EEE, Mech, Civil and H&S departments are recognized as Supervisors for guiding M.S./ Ph.D Scholars under Anna University, Chennai.

3.4.9 State the incentives given to faculty for receiving state, national and international recognitions for research contributions.

To encourage quality research work by faculty members, the college management give the following incentives:

- An incentive of Rs.5000 is given for publishing their research work in International Journal with Impact Factor above 2, Rs.2500 is given for publishing in International Journal with impact factor of 0.5 and above.

- An incentive of Rs 1000 is given for publishing their research work in reputed National Journals with Impact factors of 0.5 and above.
- A proportionate amount is awarded to the project Investigators who is carrying out a funded project.

3.5 Consultancy

3.5.1 What is the stated policy of the College for structured consultancy? List a few important consultancy services undertaken by the College.

- Through the college training and placement officer the facilities available in each department and also the possible collaboration arrangements will be explained to the experts from various industries.
- Consultancy works are very much allowed to carry out in house with the available equipments in the department.
- Periodically the college updates its information and highlights the achievements including the facilities available with the department.
- Major areas of expertise are publicized in the college website and also through technical events/programmes.
- Industrial problems are always solicited to provide solution through expertise of faculty members.
- The faculty also allowed to visit the organizations and finds out probable domains of consultancy.
- Institute encourages the faculty and non teaching staff to develop the in house experimental set ups for consultancy.

Dept	Areas of consultancy		Date	Income generated (Rs)
Civil	Concrete laboratory-Cube Compression Test			
	a	The Arm Contracts, Idaiyangudi	03/08/2013	600
	b	Sattur Municipality	24/09/2013	750
	c	Sattur Municipality	24/10/2013	750
	d	Sattur Municipality	27/11/2013	750
	e	Sattur Municipality	05/02/2014	750
	Concrete laboratory - Steel tensile Test			
	a	Steel tensile strength-Sattur Municipality	22/08/2013	1500
	Soil Mechanics Laboratory			
	a	Hotel Sparkle inn, Sivakasi • Direct Shear test • Safe Bearing Capacity	03/02/2014	5000

		• Standard Penetration Test		
Mechanical	Metal lid for well		January – February 2014	Honorary
	Volley ball & tennis pole & court work		November 2013	Honorary
	Frame work for lightning arrester		July 2013	Honorary
	Procurement decision support system		June 2013	Honorary
ECE	Consulting intercom facility at Sparkle Inn Hotel, Sivaksai.		December 2013	Honorary
	AEON Meditec (India) Pvt Ltd, Chennai		August 2013	5000
EEE	Consultancy in Electrical Installation and Materials – Sparkle Inn Hotel, Sivakasi.		Jan-2013	Honorary
IT	Computer Training to Rural Administration Personnels		Oct-Nov 2013	Paid by the District Admin, Virudhunagar

3.5.2 Does the College have College-industry cell? If yes, what is its scope and range of activities?

The college is developing the Industry liaison/interaction by the following means: Industry experts are involved in curriculum development. They are also invited as resource persons and evaluators for faculty and students programs. College organizes visits of faculty and students to industry for interaction. Faculty and students are involved in industry-sponsored projects. College organizes industrial visits to the students every year. Students are encouraged and assisted to undergo internships/in-plant trainings at industries.

3.5.3 What is the mode of publicizing the expertise of the College for consultancy services? Mention the departments from whom consultancy was sought.

- Various departments of the college organize several national/international conferences and experts from various industries are invited for these conferences.
- The experts come to know about the area of specialization of various faculties by visiting the departments during these conferences and it is one way of publicizing the expertise of the College for consultancy services.
- Periodically the college updates its information and highlights the achievements including the facilities available with the department.

- Major areas of expertise are publicized in the college website and also through technical events/programmes.

Consultancy services are provided by the faculty members of the department of Civil, ECE, EEE and IT to the neighboring Organization/Industries.

3.5.4 How does the College encourage the faculty to utilise the expertise for consultancy services?

The college makes every effort to encourage the staff for utilization of all human resources, and available facilities in the campus to promote liaison with Industries /companies so as to make the tie-up by which the consultancy services get a boost. The college motivates the professionally qualified faculty to utilize their expertise for consultancy services with the permission of the college. This helps in promoting liaison with industry/ companies. In return, the students get an opportunity to visit these companies and the placement opportunities.

3.5.5 List the broad areas of consultancy services provided by the College and the revenue generated during the last four years.

Department	Nature of the Consultancy	Organization	Amount benefitted (Rs)
Civil	Compression test, Tensile test, Structural stability test	Arm Contracts, Sattur Municipality, Sparkle INN	10100
ECE	EPABX Requirement	Sparkle INN, Sivakasi	Honorary
	Medical Equipments Specifications	AEON Meditec (India) Pvt Ltd, Chennai	5000
EEE	Electrical Installation and Materials	Sparkle INN, Sivakasi	Honorary
IT	Computer Training to Rural Administration Personnels	Virudhunagar District Administration	Remuneration and computer usage

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the College sensitize the faculty and students on Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience.

The college sensitize the faculty and students on Institutional Social Responsibilities by conducting awareness programs/rallies.

- Conducted mini marathon race to create awareness on Global Warming
- Conducted a seminar on the importance of blood donation by YRC club
- Arranged blood donation camps
- Participation in awareness rallies (Voters awareness, Road safety awareness, etc)
- NSS Camps
- Dengue fever awareness lecture arranged



Mini-Marathon for Creating Awareness on Global Warming on 27.10.2013



Participation of our Students in Voters Awareness Rally

3.6.2 How does the College promote College-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?

College involves the faculty and students in community network. This make the students to learn good values and responsibilities, required for good citizenship, service orientation and holistic development.

- The social programs like blood donation camps, tree plantation are organized for the students.
- Faculty members and students visit the social organizations and help them by donating the material as per need.
- College organizes lectures and programmes on value based education.
- Students with other social organizations organize eye & health check up camps for needy people with hospitals.
- Institute has National Social Service (NSS), which organizes the community programs. It also organizes 7 – 10 days, NSS Camp in village. The camp helps to understand the rural life, problems of villagers and probable engineering solutions for the same. The Renowned social workers guide students in the camp.

3.6.3 How does the College promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

The College motivates the students to participate in the extension activities to develop their mental and physical strength, leadership qualities and organizing capabilities

- The College has given full freedom to students to organize seminars, rallies and other awareness programs under the banner of NSS, YRC, RRC and other clubs etc.
- By encouraging the staff-coordinators and students of NSS, YRC and RRC by organizing free medical camp, blood donation camp.
- By conducting awareness rallies and marathon on global warming, helmet wearing, fire and safety etc. through Physical Education department & NSS.
- Conducting orphanage visits through YRC.

Year 2013-14

Event date	Event name	Participants
24.06.13	NSS-“ Blood donation”	4
20.08.13	NSS-Sadbhavana Day	All
31.08.13	RRC-“Responsible Choices for Healthy Life”	64
20.09.13	NSS-“ Tree Plantation”	50
05.10.13	RRC-“Interactive Training Programme”	64
08.10.13	YRC—“Blood Donation Camp”	150
27.10.2013	Physical Education Department – Mini Marathon Race for creating awareness on Global Warming.	175
26.01.14	NSS with Arvind Eye Hospital – Eye Checkup camp for local community	344
14.02.14	NSS – Blood Donation on CM’s birthday	87
21.02.14	Blood Donation	

Year 2012-2013

Event date	Event name	Participants
15.02.13	YRC—“Awareness programme on Dengue fever & Blood Donation ”	100
02.03.13	NSS-“ Blood donation”	5
24 to 30.03.13	NSS-“ Special Camp”	50

Year 2011-2012

Event date	Event name	Participants
30.09.11	RRC-Seminar on Celebrating Life	89
14.11.11	NSS-“Children’s day programme”	30
07.01.12	NSS-“Campus cleaning”	30
14.02.12	NSS-“ Blood donation camp”	70
17.03.12	RRC-“ Interactive Training Programme”	65
18.02.12	NSS-“ Dengue awareness programme	150
12.04.12	YRC--“Seminar on first aid and awareness on HIV AIDS ”	100



A Blood Donation Camp at Our College



Participation in Road Safety Awareness Rally

3.6.4 Give details on social surveys, research or extension work (if any) undertaken by the College to ensure social justice and empower the under-privileged and most vulnerable sections of society?

- The college has taken effort to open ATM by Bank of India in its premises for the benefit of students, faculty and to the local community living nearby the college.
- With the initiatives of the college management, the district administration has laid wide black top roads connecting the major towns for the benefit of the local community.
- NSS has conducted a Traffic Awareness Campaign, highlighting the safety rules and wearing helmets.
- NSS has conducted many camps for the benefit of under privileged people, such eye camp, blood donation camp, etc.

3.6.5 Give details of awards / recognition received by the College for extension activities / community development work.

- Students are constantly participating and representing standard sports events like Badminton, Foot ball, Basket ball, Volley ball, Kabadi, Cricket, Tennis, Hockey etc., at University zonal levels. They have won many prizes and brought laurels to the college.
- The College NSS unit is well known for its service in the surrounding area. The government hospitals in the locality (Sankarankoil, Kovilpatti, Sivakasi Tirunelveli and Madurai) seek the help of our unit for collecting blood from the students and use it for the poor victims. Apart from this, students also donate blood on emergency basis and our unit is well acknowledged for the same. We are also appreciated for our social work in and around our locality.

Date/Year	Awards/Recognition	Received by
29.01.14	Appreciation Certificate from the Collector of Tirunelveli district for blood donation	NSS unit of the college

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

There are so many extension activities organized for the students by the college, which provides a platform for the students to learn social welfare activities and convert their academic learning for better social welfare activities. The service activities are organized by NSS, YRC and other clubs of the college. The activities are,

Rural development

Rural villages are selected and various service activities are done for the community over there. The community work includes both health and non health related activities. Rural development programs are also organized for the betterment of people in a community as good citizens. Programs are organized for certain social concerns too. The activities are'

- Voters Awareness Program
- Helmet Awareness Program
- Nutrition Program
- Campus Cleaning work
- Service Program
- Rendering Service to Zonal Sports Meet
- Weeds removal, etc.

Tree Plantation

On the part of environmental conservation measure, tree plantation is organized almost every year. NSS volunteers and other students participate actively in planting of samplings inside the campus and also in the nearby villages.



Planting Saplings by our Students and Alumni

Health services

The students are encouraged to participate in various rallies, awareness programs and campaigns in relation to various activities. The college has organized many campaigns and awareness programs for many health related needs of the community.

The various programs organized are,

- Eye Check-up & Donation Camp
- Swine-Flu Awareness programme
- HIV AIDS / Blood Donation Awareness Rally
- Dengue fever awareness camp

Outreach programs for school students:

A non formal course is conducted for school students. The objective of the course is to give preliminary knowledge and idea on engineering for life. They are taught of designing tools, usage of them for life and create a basic awareness on engineering works.

- 3.6.7 How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the College which have encouraged community participation in its activities.

Under the banner of NSS, NCC, YRC and various other clubs of the college various social service works are rendered to the community. In those activities the volunteers from public are also encouraged to participate and they are also educated about the same. Computer training was given to panchayat presidents and clerks. Educational Excellence programmes are conducted for school children. It serves notices containing health tips to have concentration in their studies and excel in examinations.

- 3.6.8 Does the College have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

Since every programme is organized under a club or team of the college, it is coordinated by the coordinators of the concerned teams and clubs. Despite organizing the activities, its post results, benefits and consequences are also accounted.

- 3.6.9 Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities.

Arvind Eye Hospital, Tirunelveli: The NSS unit extends a support for organizing social welfare programs for free eye check up and operation.



Free Eye Checkup Camp held in our College for the benefit of poor people on 26.1.2014

Government and Private Hospitals: Various government hospitals situated in Tirunelveli District, Thoothukudi District, Virudhunagar District and Madurai District have contact with the college for organizing various blood donation camps.

Tree Plantation: The forest department of Tirunelveli District is continuously supporting our tree plantation program by donating saplings at free of cost.

Local and District Administration: The local and district administration (Virudhunagar District) contacts our college for computer related training for their personals.

- 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.

Many appreciation and awards are given to the college for organizing blood donation camps, contagious disease awareness rallies, organ donation awareness programs by the Government Hospitals and District administration.

3.7 Collaboration

- 3.7.1 How has the College's collaboration with other agencies impacted the visibility, identity and diversity of activities on the campus? To what extent has the College benefitted academically and financially because of collaborations?

The college regularly conducts workshops and conferences and invites students and research scholars from various other institutions. These activities get partial sponsorship from other agencies. Also, various software courses are also conducted for the benefit of students, which help them to meet the expectations of various industries. Right from the first year, industrial visits are arranged to the students.

- 3.7.2 Mention specific examples of, how these linkages promote

- * Curriculum development
- * Internship, On-the-job training
- * Faculty exchange and development

- * Research, Publication
- * Consultancy, Extension
- * Student placement
- * Any other, please specify

Curriculum development

Experts from leading Institutions, industries and R&D organizations are included as member of Board of Studies (BOS) to update the curriculum and syllabi to meet out the requirements of the industries. College is conducting various software courses such as latest programming, design software's, circuit programming and design which help them to meet the expectations of various industries.

Example:

- * MCTS and CCNA certification programs
- * Embedded Systems
- * Robotics
- * Mechanical design and analysis software's such as Pro-e, Auto CAD, Ansys etc.

Internship, On-the-Job Training

- * Our students will be having regular intervals of industrial visits, to various technological industries to learn the process involved in their industries, their nature of work and future scope for development.

Faculty Exchange and Development

- * The faculty members were encouraged and motivated to attend various development programs, collaboratively with the help of other agencies and industries.

3.7.3 Does the College have MoUs nationally / internationally and with institutions of national importance/other universities/ industries/corporate houses etc.? If yes, explain how the MoUs have contributed in enhancing the quality and output of teaching-learning, research and development activities of the College?

Our institution has MoUs with various industries and organizations for knowledge and support in research activities. We are conducting regular workshops and conferences, inviting students and research scholars from various other institutions with the percentage of sponsorship with the other agencies. Also we are conducting various software courses for the benefit of students, which help them to meet the expectations of various industries. Our students will be having regular intervals of industrial visits. Faculty development programs were conducted to enhance and develop their effective teaching skills.

Date & Year of MOU	Industry/Organization
19.02.2014	AEON Meditec (India) Pvt Ltd, Chennai
07.02.2014	Aarthi Scans, Tirunelveli
09.10.2013	MTAB, Chennai
19.04.2013	Native Lead Foundation
05.03.2013	CADD Technologies, Coimbatore
24.02.2012	NASSCOM
30.12.2011	ICTACT
23.03.2011	CISCO
02.09.2008	BSNL
15.06.2008	Vi Micro Systems, Chennai



MOU with Native Lead Foundation



MOU with ICTACT

3.7.4 Have the College industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

The interactions with industry resulted in the establishment of training facilities and conducting value added courses and so on. The facilities not only full fill academic activities but also placement for the students.

Any additional information regarding Research, Consultancy and Extension, which the institution would like to include.

- DST sponsored INSPIRE science camp has been organized for the meritorious school students covering the three districts around the college.
- Career Guidance Programmes are conducted for the benefit of +2 students of the schools in Virudhunagar District.



Dr.E.Balagurusamy, Former Vice Chancellor of Anna University Inaugurates DST Sponsored Inspire Programme on 7.10.2013.



A Session by Dr.V.N.Mani, Scientist E, CMET Hyderabad in DST Sponsored Inspire Programme



Career Guidance Programme 'Academic Excellence for +2 Students' on 2.2.2013.



CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**4.1 Physical Facilities**

4.1.1 How does the College plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

Infrastructure

The college plans and provides necessary physical infrastructure well ahead of starting the programmes. Almost, every department is functioning in a separate block/building with adequate facilities and amenities. Each department building has sufficient class rooms with ambient environment for conducting both existing UG and PG Programmes. Each department has sufficient number of Laboratory halls for conducting practical classes as per the curriculum. Each department has its own computer centre, seminar hall, library, and laboratories. The college has a centralised seminar hall and a board room for conducting various meetings. There are 2 well equipped English Communication laboratories in the college for developing communication skills of the students. The above facilities are upgraded now and then as and when required to meet the current needs of academic programmes. Buildings are properly maintained by the administration.

The college has an air conditioned auditorium with a seating capacity of about 2000. The college has required number of fields for conducting sports and games events. In addition to hostels, the college is operating 24 buses to nearby towns for the smooth transit of both students and staff members. Also, the Govt. transport corporation plying about 10 buses both morning and evening exclusively for the students and staff. Also the college has the following infrastructure/facilities in its campus for personal needs and for carrying out extracurricular activities:

- Bank of India branch
- ATM facility
- Store for stationeries
- Canteen
- Training and Placement Cell
- Various Forums / Clubs for co-curricular and Extracurricular activities
- Photocopying facilities for students
- ISDN facility and Coin box phones

Optimal utilization

Currently, about 2200 students are studying in the campus. The college working hours is 9.00 am to 4.30 pm. The classrooms and laboratories are optimally utilized.

The central library is functioning days from 8.30 am to 6.30 pm for the better use of the books, journals, magazines and e-library. Seminar halls are utilized for conducting

PG classes, students seminars, guest lectures, events of various forums, project reviews, etc.

Board room is utilized for conducting the meetings such as Board of Management, Academic Council, Results meeting, HODs meeting, meeting with special delegates, etc.

4.1.2 Does the College have a policy for creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Yes

- The College is committed to improve the teaching-learning process with modern aids. It has 8 air conditioned seminar halls, one for each department. All the seminar halls are well furnished with audio system, podium, computer, LCD projector with white screen.
- The College has very good internet connectivity with a bandwidth of 20 Mbps. Also, the College has provided Wi-Fi hotspots, which allows Internet access to the students using their laptops and other portable digital devices round the clock.
- On-line learning facility through Moodle software has been created. Through the College web site the students can access this facility for downloading the course materials, course plan, assignments, etc all the days from anywhere.
- E-Journal facility also has been provided which can be accessed anytime, anywhere through the college website using secured logins provided to the students.
- Anytime, anywhere computing and data access facility provided through Internet has a definite positive impact on teaching-learning and the research activities as it has made information access simplified.

4.1.3 Does the College provide all departments with facilities like office room, common room, separate rest rooms for women students and staff?

Yes.

All the Departments have office room, common room and separate rest rooms for women students and staff.

4.1.4 How does the College ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?

- The college has well laid roads inside the campus, which is suitable for disabled candidates to move inside the campus using wheel chairs without any hindrance.
- Most of the classrooms are made available in the ground floor, which are convenient for the disabled candidates.

- The College is committed to provide any specialized facilities for the disabled when necessity arises.

4.1.5 How does the College cater to the residential requirements of students? Mention

- * Capacity of the hostels and occupancy (to be given separately for men and women)
- * Recreational facilities in hostel/s like gymnasium, yoga center, etc.
- * Broadband connectivity / wi-fi facility in hostel/s.

Capacity of the hostels and occupancy

Hostel	Capacity	No of Students Accomodated	Facilities
Boys Hostel	179 Rooms	303	• Steam cooking plant • RO water treatment plant • Wi-Fi connectivity, • ISDN incoming call facility • Calling coin box phone • Newspaper • Television
Girls Hostel-1 & Girls Hostel-2	240 Rooms	279	• Steam cooking plant • RO water treatment plant • Wi-Fi connectivity, • ISDN incoming call facility • Calling coin box phone • Newspaper • Television

- **Recreational facilities** like gymnasium, indoor games, etc. are provided to the hostel students. LCD TV with DTH connection is available. Movie will be screened on Saturday or Sunday.
- **Wi-Fi:** The hostels are provided with very good internet connectivity with a bandwidth of 20 Mbps through Wi-Fi hotspots, which allows Internet access to the hostel students using their laptops and other portable digital devices round the clock.

4.1.6 How does the College cope with the health related support services for its students, faculty and non-teaching staff on the campus and beyond?

- The college takes special steps to ensure the well being of its staff and student
- Service of the doctor is availed as and when needed.
- First-aid boxes are kept at many places.
- Transport facility with driver is made available 24 hrs in the campus to meet medical emergencies.
- Very good private clinics are available in the nearby Thiruvankadam town, which is just 4 Kms away from the college campus.

4.1.7 What special facilities are made available on the campus to promote interest in sports and cultural events?

- The college has very good facilities for sports and games for the benefit of students and staff. College conducts sports day every year and rewards the winners/runners of the various events for both students and staff.



Track Facilities



Indoor Events

- Two full time physical directors are available to take care of the sports activities.
- Several University zonal level sports competitions are conducted in the college.
- The college has an Auditorium with 2500 capacity, for conducting cultural events. Every year college arranges cultural events on eve of College Day celebration.



Cultural Events



Auditorium

Sl. No.	Facilities	Quantity Plinth Area in Sq.M
1	Badminton-Indoor	81.74 sq mts
2	Table Tennis Hall	4.18 sq mts
3	Gymnasium Hall	172.53 sq mts
4	Department Room	10.56 sq mts
5	Store Room	23.12 sq mts
6	Play-Ground Consists of	30354.52 sq mts
7	Playing area indoor	1315.6 sq mts

Sl. No.	Play Ground	Number
1	400mtrs Athletic Track	1
2	Football Ground	1
3	Volleyball Court	1
4	Tennis Court	1
	Shuttle Badminton Court	2
5	Kabaddi Court	2
6	Ball Badminton Court	1
7	Hockey Ground	1
8	Cricket field	1
9	6 Station Gym	2

Sl. No.	List of Equipment in Gymnasium
1.	Six station multi gym
2.	Motorized tread mill
3.	Smith machine
4.	Flat bench press
5.	Declined bench press
6.	Inclined bench press
7.	Dumbbell rack
8.	Plate rack
9.	Hack squad
10.	5 feet rod
11.	Curl rod
12.	Curla cuttai
13.	10 kg adjustable dumbbells
14.	Dumbbells assorted
15.	Weight plates assorted

The following are the some important sports events organized during 2013-2014:

Date	Name of the Sports Event
23.09.2013 & 24.09.2013	Anna University Chennai Zone-18 – Zonal level Volley Ball Tournament -Women
27.10.2013	Mini marathon race – From Thayilpatti to PSR Engg College



Volleyball Court



Gymnasium



Indoor Games



Marathon Race

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?

Yes, the Library has an Advisory Committee. The Advisory Committee constitutes the following personals of the college as its members:

Principal – Chairman of the Library (Ex-Officio)
 Senior Faculty Member – Staff Advisor to the Library
 Librarian – Member
 Asst. Librarian – Member

The committee recommends collection, development and information services, Policy framing, forming of library rules and procedure. The committee meets as and when Required

4.2.2 Provide details of the following:

* Total area of the library (in Sq. Mts.)

- Carpet area of library (Sq.m) : 1557.15 Sq m
- Reading space (Sq.m): 455 Sq m

* Total seating capacity

- Number of seats in reading space: 200

* Working hours (on working days, on holidays, before examination days, during examination days, during vacation)

- Academic (Working day): 8.30 am – 6.30 pm
- Academic (Weekend): 9.00 am – 1.00 pm
- Vacation: 8.30 am – 6.30 pm

- * Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

Carpet area of library: 1557.15 sq m.

Reading space : 455 sq m

IT Zone: 40 Sq m

- * Access to the premises through prominent display of clearly laid out floor plan; adequate signage; fire alarm; access to differently abled users and mode of access to collection)

- Floor plan is displayed at the main entrance of the Library.
- Direction indicators are displayed.
- Fire extinguisher is available at the Library
- The college has a provision to provide books for physically challenged Person who are unable to visit the library. Library assistants assist the students.

4.2.3 Give details on the library holdings

a) Print

(Books, back volumes and thesis)

Details of Holdings	Total Number
Books	Volumes: 32088 Titles: 11222
Student's Projects	2421
Journals	National: 94 International: 31
Technical Magazines	25
Dailies	English: 2, Tamil:4

b) Non Print (Microfiche, AV)

CDs: 2835

c) Electronic (e-books, e-Journals)

- No. of e-books:
- No. of e-Journals
Elseiver(Scidirect):
IEEE (ASPP):
DELNET

d) Special collection

(eg. Text book, Reference books, standards, patents)

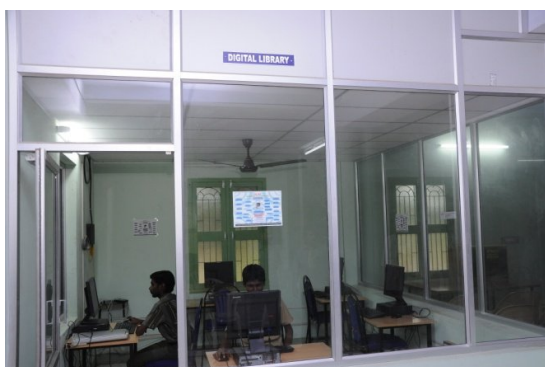
Back Volumes: 2431



Reading Space



Back Volumes



Digital Library



CDs

4.2.4 What tools does the library deploy to provide access to the collection?

- * OPAC

Online Public Access Catalogue (OPAC) has been provided to the user. The user can browse and retrieve the online information. Web OPAC module facilitates on the intranet/internet environment.

- * Electronic Resource Management package for e-journals

A package '**ezproxy**' is available for Electronic Resource Management

- * Federated searching tools to search articles in multiple databases

Nil

- * Library Website

Library link is provided in the College website <http://www.psr.edu.in>

Library can be accessed directly through: <http://www.psr.edu.in/library.php>

- * In-house/remote access to e-publications

- e-Journals can be accessed both inside and outside of the campus.
- The students and staffs can access the e-Journals using their authenticated logins provided to them.

4.2.5 To what extent is the ICT deployed in the library?

* Library automation

A standard library software package “Autolib” and college automation “GEIS” are used in the library. All the books are bar-coded. All the transactions are computerized. The bar-coded ID and the Scanner are used for borrowings.

* Total number of computers for public access

No. of Servers: 1

No. of Computers: 9

* Total numbers of printers for public access

No. of Printers: 1

No. of Photocopying Machines: 1

* Internet band width speed □ 2mbps □ 10 mbps □ 1 gb (GB)

Internet Service Providers:

Aircel: Bandwidth 12 Mbps

BSNL: Bandwidth 2 Mbps

Total Internet Bandwidth: 14 Mbps

* Institutional Repository

Question Bank

Conference Proceedings

College Calendar

* Content management system for e-learning

“MOODLE” software package is used for e-learning. A separate server is provided to manage the contents of e-learning. Students can access the e-contents through internet even from outside the campus.

* Participation in Resource sharing networks/consortia (like Inflibnet)

DELNET – Developing Library Network, New Delhi

NPTEL

4.2.6 Provide details

* Average number of walk-ins

Calender Year	No.of Walk-ins	Average
2013	35935	2995/month
2012	43749	3646/month
2011	39129	3261/month

- * Average number of books issued/returned

Calender Year	No.of books issued/returned	Average
2013	17641	1470/month
2012	24485	2040/month
2011	26878	2240/month

- * Ratio of library books to students enrolled

15:1

- * Average number of books added during last three years

Calender Year	No.of books Added	Average
2013	2045	171/month
2012	2452	205/month
2011	2175	182/month

- * Average number of login to OPAC

1,14,000/6 Months

- * Average number of login to e-resources

1,65,000/6 Months

- * Average number of e-resources downloaded/printed

The users who have logged in are downloading from e-resources.

- * Number of information literacy trainings organized

Nil

4.2.7 Give details of the specialized services provided by the library

- * Manuscripts

Nil

- * Reference

- Reference services are offered to the students and faculties for the retrieval of Information, articles and books.
- Online reference service through e-mail and Intranet

- * Reprography

Reprography services are provided both to the students and faculties.

- * ILL (Inter Library Loan Service)

Nil

* Information Deployment and Notification

The information of relevant are displayed in the notice board

- Newspaper clippings of discoveries
- News paper clippings of biography
- Current Affairs, etc.

* OPAC

Online Public Access Catalogue (OPAC) service has available to the students and staff. The user can browse and retrieve the information through on-line. OPAC services can be accessed both through intranet and internet.



* Internet Access

Internet access facility is available in the library.

* Downloads

Users can download the e-resources using the computers both in the department and library.

* Printouts

Printing and copying facility is provided to the students.

* Reading list/ Bibliography compilation

Guidance is provided.

* In-house/remote access to e-resources

Access to e-resources are provided through college website and Moodle on-line learning.

* User Orientation

User orientation is provided by the librarian and assistants to the students during library hours and when needed.

- * Assistance in searching Databases
Assistance in searching databases is given on request.
- * INFLIBNET/IUC facilities
DELNET facility is available.

4.2.8 Provide details on the annual library budget and the amount spent for purchasing new books and journals.

Details	2013-2014		2012-2013		2011-2012	
	Budget	Spent	Budget	Spent	Budget	Spent
Books	12,00,000	4,14,164	10,00,000	6,29,455	10,00,000	4,50,935
Journals		3,11,614		1,18,771		1,72,367
e-Journals		6,90,596		1,82,954		1,17,357
Miscellaneous		20,000		15,000		10,000
Total	12,00,000	14,36,374	10,00,000	9,46,180	10,00,000	7,50,659

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services.

Suggestion box is kept in the library. Students can drop their feedbacks and suggestions in the box. Suggestions and feedbacks given by the users are analysed periodically and considered for possible implementation.

4.2.10 List the infrastructural development of the library over the last four years.

Year	Development
2013-2014	College Automation Software - GEIS
2012-2013	New Computer Systems
2011-2012	Additional Books Steel Rack
2010-2011	Journal Wooden Racks, DVD Player, TV

4.2.11 Did the library organize workshop/s for students, teachers, non-teaching staff of the College to facilitate better Library usage?

During library class hours, the librarian and assistants will demonstrate the usage of library facilities to the students.

Similarly, both teaching and non-teaching staff can take the help of library staff for better use of facilities.

4.3 IT Infrastructure

4.3.1 Does the College have a comprehensive IT policy addressing standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management?

The college has a standard IT policy to evaluate the requirements, procurement, and implementation. A committee constituting Director, HODs of Computer Science & Engineering and IT departments assess the requirements of IT infrastructure. The committee activities are aligned with academic as well as administrative needs.

The college makes use of campus automation developed exclusively for its functions of academic, governance - students data, staff data and examination services. These services are reviewed at planned intervals to ensure continuing suitability, adequacy and effectiveness.

The college maintains appropriate bodies and operators to guarantee the information security. The integrity of information is well maintained by allowing authorized persons to access the legal requirements and also continuous monitor is kept to avoid breaches of confidential information.

The mail services inside the college are also configured to avoid malicious attachments. The system administrator monitors and log user accesses remotely to identify the unwanted actions by other persons. Internet services use web filtering, content filtering and gateway antivirus (cyberoam) in order to restrict the access of unwanted websites. The purchase committee of the department adheres to the terms and conditions of license agreement of IT resources and software.

4.3.2 Give details of the College's computing facilities (hardware and software).

- Number of systems with configuration

Department / Lab	Configuration	Qty	
CSE	IBM P IV2.8Ghz/256MB DDR RAM/40GB HDD/15" Color Monitor	35	215
	Core i3-3220/4GB DDR3@1333Mhz / 500GB / 18.5" LED Monitor	36	
	Intel Core2Duo 2.4Ghz/1GB DDR2 RAM/160GB HDD/15" TFT Monitor	29	
	Intel Core2Duo 2.93Ghz/2GB RAM/320GB HDD/18.5" TFT Monitor	36	
	Intel P.D2.8Ghz/512MB DDR RAM/160GB HDD/15" Color Monitor	68	
	Intel Dual Core 2.1Ghz/512MB DDR2 RAM/160GB HDD/15" Color Monitor	11	
ECE	Intel Core2Duo 2.2Ghz/1GB RAM/160GB HDD/ 17" TFT Monitor	56	
	Compaq Presario AMD 2400Ghz/ 256MB	12	

	DDR/40GB/15" Color Monitor		149
	Intel Core2Duo 2.93Ghz/2GB RAM/320GB HDD/18.5" TFT Monitor	61	
	Intel Core2Duo 2.8Ghz/2GB DDR2 RAM/250GB HDD/18.5" TFT Monitor / Bed Type	2	
	Intel Core2Duo 2.2Ghz/1GB RAM/160GB HDD/ 17" TFT Monitor	18	
EEE	Core i3-3220/4GB DDR3@1333Mhz / 500GB / 17" Square LED Monitor	36	54
	Intel Dual Core 2.1Ghz/512MB DDR2 RAM/160GB HDD/15" Color Monitor	18	
MECH	ThinkCenter Intel P.D2.8Ghz/1GB DDR RAM/160GB HDD/17" Color Monitor	35	71
	Core i3-3220/4GB DDR3@1333Mhz / 500GB / 17" Square LED Monitor	36	
CIVIL	Intel Core2Duo@2.93Ghz/ 2GB DDR3 RAM/ 320GB HDD/18.5" TFT Monitor	65	72
	Intel Core2Duo 2.93Ghz/2GB RAM/320GB HDD/18.5" TFT Monitor	7	
MCA	Intel Core2Duo 2.8Ghz/2GB DDR2 RAM/250GB HDD/18.5" TFT Monitor	32	32
IT	Intel Core2Duo 2.4Ghz/1GB DDR2 RAM/160GB HDD/15" TFT Monitor	69	161
	Intel Core2Duo 2.8Ghz/2GB DDR2 RAM/250GB HDD/18.5" TFT Monitor	32	
	IBM P IV2.66Ghz/256MB DDR RAM/80GB HDD/15" Color Monitor	30	
	IBM P IV2.8Ghz/256MB DDR RAM/40GB HDD/15" Color Monitor	30	
Others	COE, CDC, Admin Office, Library & Staff Rooms	62	62
Total			816

- Computer-student ratio

1 : 2.5

- Dedicated computing facility

Dedicated computing facilities for the use of students and staff during as well as beyond working hours are available in the IT block.

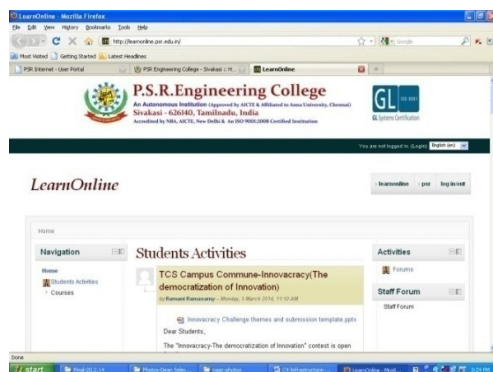
Location	Specifications	No of Computers
IT Block	IBM P IV2.8Ghz/256MB DDR RAM/40GB HDD/15" Color Monitor	33
Library Block	Intel Core2Duo 2.4Ghz/1GB DDR2 RAM/160GB HDD/15" TFT Monitor	69

- LAN facility

LAN facility is available in the college, which connects each and every computers through structured cabling. Intranet, Internet, Learn Online (MOODLE) services are available through LAN to the users.

- Wifi facility

Wi-fi facility is available in the college campus and hostels.



Learn Online (Moodle)



Wi-Fi Antenna

- Propriety software / Open source softwares

<u>Propriety Softwares:</u>	
➤ Windows XP	➤ Labview-2012
➤ Windows 7 Pro	➤ StaadPro
➤ Windows Server 2003	➤ PSIM
➤ IBM Rational Suite	➤ ProE
➤ Borland Turbo C	➤ Ansys Ver-14.5
➤ Visual Studio Professional 2008	➤ Fluid Sim-H4 (hydraulics)
➤ MS-Office 2007	➤ Fluid Sim-P4 (pneumatics)
➤ Hi-Class S/W version 4.2	➤ CREO Parametric 2.0
➤ MS SQL Server 2005	➤ CNC programming and Simulation
➤ Matlab 6.5	➤ Solid Edge V-2.0
➤ Xilinx 10.2	➤ FeMAP V9.3 with Nastran NX

Open Source Softwares:

- Red Hat Linux
- JDK1.7
- Eclipse
- MySQL
- Net Beans
- SciLab
- Autocad
- Oscan
- Python
- Latex/Miktex

- Number of nodes/ computers with internet facility
Number of Internet Nodes: 780
- Any other

Printing and other Office Equipments	Quantity
Laser Printers	26
Dot Matrix Printers	21
Photocopying Machines	4
Scanners	10

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

The college has a policy to effectively use ICT in the teaching and learning process. The strength of students, faculty, curriculum, research activities, and office automation, digital library and guidelines of regulatory bodies such as AICTE, University while planning, deploying and upgrading the IT infrastructure.

- 4.3.4 Give details on access to online teaching and learning resources and other knowledge, and information provided to the staff and students for quality teaching, learning and research.

The college has Wi-Fi connectivity and high speed LAN connectivity which enables faculty members to access e-resources from anywhere on campus for Teaching-Learning and research.

- 4.3.5 Give details on the ICT enabled classrooms/learning spaces available within the College and how they are utilized for enhancing the quality of teaching and learning.

All class rooms in the departments are equipped with electrical facility to use LCD projector and Laptop/Computer for teaching learning process. Each department is provided with a LCD projector. Each department has a seminar hall with LCD projector, computer and public address system. These seminar halls also utilized for the teaching-learning process.

- 4.3.6 How are the faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the College or affiliating University for such initiatives?

Adequate number of computers and Internet connections are provided in the staff offices. Staff members can use them to prepare for computer aided teaching –learning materials.

- The college has Wi-Fi facility to access internet/intranet from anywhere inside the campus..
- On-line learning (MOODLE) portal is available.
- The Class rooms have the electrical facility to use LCD projector and Computer/ Laptop for presentation.
- Library facility is available to faculty and students beyond working hours and holidays.
- Head phone/speaker facility is available in Language laboratories to play and listen audio and video.

4.3.7 How are the computers and their accessories maintained? (AMC, etc.)

College has a Computer Maintenance Cell (CMC), which takes care of all the computers and accessories in the campus. CMC cell also takes care of software license renewal and internet renewal.

4.3.8 Does the College avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what are the services availed of?

Yes,
National Mission for Education through ICT (NMEICT)

4.3.9 Provide details on the provision made in the annual budget for update, deployment and maintenance of the computers in the College?

- Budget proposal is submitted by each department every year.
- In the budget proposal, estimation for purchase of computer systems, softwares, consumables and maintenance cost will be included.
- After discussion, the management will sanction the budget to every department during the beginning of every academic year.
- The budget for purchasing and maintenance of computer systems /software and their up gradation will be met from the department budget.



Computing Facilities

4.4 Maintenance of Campus Facilities

4.4.1 Does the College have an Estate Office / designated officer for overseeing maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

The College have designated officer for overseeing maintenance of buildings, class-rooms and laboratories.

Few campus specific initiatives undertaken to improve the physical ambience:

- New tree plantations are also undertaken to make the campus green.
- Periodically buildings are white washed and painted Initiatives have also been taken to paint all the buildings in the Campus.
- RO water treatment plants are installed both in college and hostels to have pure drinking water.
- Surveillance CCTV cameras are installed at several locations to keep the campus safe and secure.



A view of trees inside the campus



RO Water Plant

4.4.2 Does the College appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained? Give details.

- The building and the campus maintenance are taken care of by the maintenance Supervisor appointed by the Management. The supervisor manages and monitors

the contract labours for the maintenance of buildings, class rooms, washrooms and furniture.

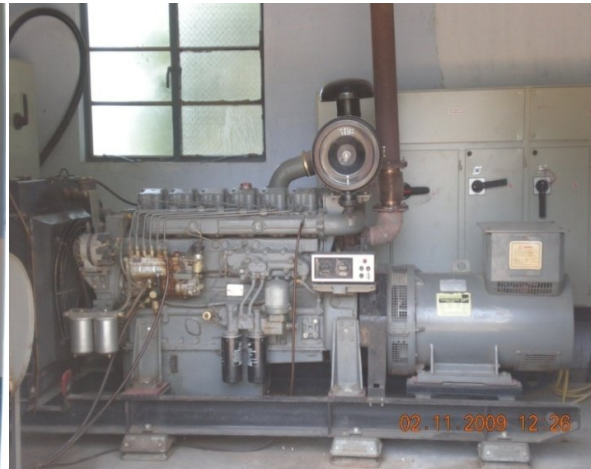
- Electrical infrastructure is maintained in the campus by the permanently appointed electricians.
- Laboratory equipments and instruments are maintained by the technicians concerned.
- Transport vehicles are maintained by the mechanics and monitored by the transport supervisor

Any additional information regarding Infrastructure and Learning Resources, which the institution would like to include.

- A Power House with 2 Power Generators helps in providing uninterrupted power supply to the campus.



285 KVA, 397A



125 KVA, 174A

- 24 College Buses are plying to various towns from our campus for the benefit of the day-scholar students. Other than this, 12 Government transport buses are exclusively operated from various towns to the college in the morning and evening.



College Buses

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes, the college has an independent system for the student support and mentoring.

Motivation Programme is being conducted regularly for all first year UG students to give mental support and to reduce their mental stress due to different medium of study and homesickness.



Motivation Programme by Mr.A.Ragunath, Psychiatrist



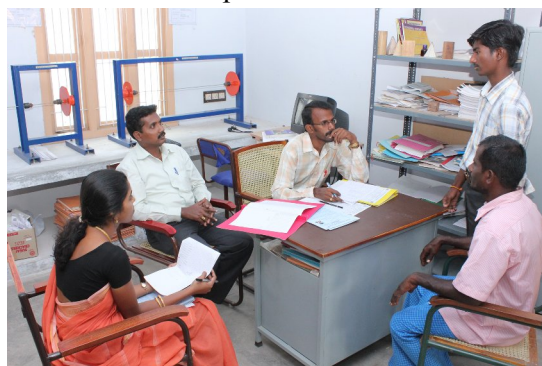
Motivation Programme by ISKON Madurai

Faculty Advisory System:

To help the students in planning their courses of study and for getting general advice on the academic programme, the concerned Department assigns three Faculty members known as Faculty Adviser/Tutor.

The Faculty advisor will help the students in his/her entire endeavor during their period of study. After the first end semester examination if the faculty advisor finds any of his/her wards is showing poor performance for what so ever be the reasons, will plan and show special care and attention to them as per the Tutor Card details.

The students are instructed to meet their faculty advisor once in a week during regular tutor hour (allotted in the regular class time table). Each student must update his / her academic information as well as personal information in their Tutor card.



Faculty Advising – a Student with Parent

Business English Certificate (BEC) Programme:

In order to improve the English communication skills of the student, the college makes some steps by encouraging the students to register for BEC Preliminary and BEC Vantage examinations. Each department takes necessary steps for training the students.

Training and Placement Cell:

The career guidance programme is regularly offered for all II, III and IV year students. Special training is given to the students before appearing for On Campus (or) Off Campus placement programmes.

Innovation Cell:

To encourage and motivate the students towards research and innovation special lectures are organized through Native lead foundation and Confederation of Indian Industry.

5.1.2 What provisions exist for academic mentoring apart from classroom work?

In addition with classroom work, there are plenty of opportunities created for the students to develop their academic skills.

- Every department has its own association composed of student and staff members and through the association various seminars, conferences, paper presentations and project exhibitions are organized. The students get opportunities to interact with the experts in their respective fields.
- Through Learn Online students can access course materials, assignments, tutorial questions and university model question papers relevant to the subjects which they are studying in the particular semester.
- Every UG and PG student, even alumni of the institution can access IEEE, Science Direct and J-Gate journals through online library for enhancing academic and research activities.
- The Alumni meet is being arranged from time to time to provide a platform to the students to come in contact with their seniors who are working in different fields. These interactions help the students to prepare themselves as per demand in the industrial sectors.

5.1.3 Does the College provide personal enhancement and development schemes for students? If yes, describe techniques employed e.g., career counselling, soft skill development, etc.

Yes, the College has made several steps for the improvement of students' personal enhancement and growth. The Training and Placement Cell provide career guidance and counseling services to the students. This cell also organizes special training programme related to soft skills and personality development. It also makes arrangements for preparing the students to the industrial need s by making them to learn employability skills. The faculty members and Heads of the Departments provide guidance to their respective department students. The College organizes health awareness camps almost

every year for the students and other faculty members. Each Department is organizing special training programme for developing communication skill and soft skill of their students.

5.1.4 Does the College publish its updated prospectus and handbook annually? If yes, what are the activities / information included / provided to students through these documents? Is there a provision for online access?

Yes, the College publishes the student handbook annually. The students could find lot of information in the handbook. The academic schedule from June to May of the academic year is clearly mentioned including the list of holidays. The students also could find various co curricular and extracurricular activities in the institution along with the staff in charge for those activities.

Information regarding various scholarships offered, apart from the government scholarships, in the institution are provided in the handbook to make the students aware of norms and eligibility criteria for those scholarships. The students also know about the staff in charges of various sub committees. They can express about their difficulties they are facing in the teaching learning process.

5.1.5 Specify the type and number of scholarships / freeships given to students (UG/PG/M.Phil/Ph.D./Diploma/others in tabular form) by the College Management during the last four years. Indicate whether the financial aid was available on time.

Every year the College Management provides financial assistance to the students.

The following table shows the details of benefitted students in the academic 2013-2014.

S. No.	Year / Department	Name of the Student	Management Sponsorship
1.	II CSE	Sheik Aariefdeen S	Full Free (Both Tuition Fees & Hostel Fees)
2.	IV ECE	Prabhakaran R	Full Free (Both Tuition Fees & Hostel Fees)
3.	III ECE	Ashok A	Full Free (Tuition Fees)
4.	III ECE	Gurumoorthi M	Full Free (Tuition Fees)
5.	III CSE	Venkatesh P	Full Free (Tuition Fees)
6.	II ECE	Muthupattan	Rs. 40000
7.	IIICSE	Balasubramani M	Rs. 37500
8.	III ECE	Selvam M	Rs. 25000
9.	II EEE	Janani P	Rs. 20000
10.	II EEE	Mihajulhootha Begum J	Rs. 20000
11.	II CIVIL	Priyanka K	Rs. 30000
12.	II EEE	Nagajothi G	Rs. 20000
13.	III ECE	Kalaivani M	Rs. 20000

14.	III ECE	Saraswathi N	Rs. 20000
15.	III ECE	Suganisha U	Rs. 20000
16.	III CIVIL	Kavitha B	Rs. 20000
17.	III ECE	Perumalsamy S	Rs. 5000

The College also supports free transportation facility for economically weaker students. The following Table denotes the details of students availing the free transportation in the academic year 2013-14.

S. No.	Name of the Student	Year / Branch	Boarding Place
1.	K.Rajeswari	I CIVIL	VELLAKULAM
2.	G.Guru Deepa	I CSE	VEMBAKKOTTAI
3.	B.Priyanka	I ECE	THIRUTHANGAL
4.	R.Bavithra	I ECE	THAYILPATTI
5.	B.Ramya	I ME (P.E.D)	SIVAKASI
6.	P.Nivas	II CIVIL	K.R.RAMAN
7.	P.Mathavan	II CIVIL	SIVAKASI
8.	G.Selvakumar	II CIVIL	KOVILPATTI
9.	N.Saravana Priyan	II CSE	SIVAKASI
10.	J.Kiruthika	II ECE	K.R.RAMAN
11.	G.S.Krishna Prakash	II ECE	SIVAKASI
12.	R.Subhashini	II MBA	KALLIKULAM
13.	B.Karthiga	II MBA	SIVAKASI
14.	S.Praveen	II MECH	KURUVIKULAM
15.	I. Jai Singh	II MECH	KALINGAPATTI
16.	J.Aarthi	III ECE	KURINJAKULAM
17.	V.Sangeetha	IV ECE	CHENNAKULAM
18.	V.Suganthan	IV MECH	SIVAKASI

The College also guides the students for applying for various State Government and Central Government scholarship schemes. The details are given below:

Details	2013-2014		2012-2013		2011-2012		2010-2011	
	No. of Beneficiary	Amount (Rs)	No. of Beneficiary	Amount (Rs)	No. of Beneficiary	Amount (Rs)	No. of Beneficiary	Amount (Rs)
TN Govt. First Graduate	919	1,83,80,000	687	1,37,40,000	449	89,80,000	116	23,20,000
TN Govt. Scholarship BC/MBC/DNC	766	22,09,210	734	21,16,920	675	22,41,565	708	26,34,095
TN Govt. Scholarship SC/ST	187	13,82,400	160	11,82,800	127	14,62,250	102	11,07,010
SC/ST Fee concession (Central Govt.)	187	52,59,375	160	45,00,000	127	30,20,000	102	25,50,000

UGC PG Scholarship (Central Govt.)	-	-	-	-	-	-	3	138000
Total	2059	2,72,30,985	1741	2,15,39,720	1378	1,57,03,815	1031	87,49,105

5.1.6 What percentage of students receives financial assistance from state government, central government and other national agencies? (e.g., Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)

The following table illustrates the percentage of students received financial assistance from and state and central government

Details	2013-2014		2012-2013		2011-2012		2010-2011	
	No. of Beneficiary	% of students	No. of Beneficiary	% of students	No. of Beneficiary	% of students	No. of Beneficiary	% of students
TN Govt. First Graduate	919	40.48	687	32.22	449	22.14	116	5.75
TN Govt. Scholarship BC/MBC/DNC	766	33.74	734	34.43	675	33.28	708	35.13
TN Govt. Scholarship SC/ST	187	8.23	160	7.50	127	6.26	102	5.06
SC/ST Fee concession (Central Govt.)	187	8.23	160	7.50	127	6.26	102	5.06
UGC PG Scholarship (Central Govt.)	-		-		-		3	3.85

5.1.7 Does the College have an International Student Cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?

No, the College does not have an International Student Cell to cater the needs of foreign students, since no foreign students are admitted in the current scenario. However in the upcoming years based on the availability of students, necessary steps will be taken to cater their needs.

5.1.8 What types of support services are available for

- * overseas students
- * physically challenged / differently abled students
- * SC/ST, OBC and economically weaker sections

- * **students to participate in various competitions/conferences in India and abroad**
- * **health centre, health insurance etc.**
- * **skill development (spoken English, computer literacy, etc.,)**
- * **performance enhancement for slow learners / students who are at risk of failure and dropouts**
- * **exposure of students to other institutions of higher learning/ corporates/business houses, etc.**
- * **publication of student magazines**
- * **overseas students**

At present, none of the students are studying from abroad and no support services are required. The College is located in the rural part of South Tamilnadu to educate and promote the rural students to a technocrat.

* **physically challenged / differently abled students**

The college allocates classes in the ground floor of class room buildings in which physically disabled students are studying. Ramps are provided for the students to move freely wherever possible. They are allowed to use three wheeled motor cycle / tri-cycle inside the campus to go for laboratory, library, department blocks, hostel etc. The stool height is adjusted so that it would be easy for them to perform experiments on test bench in laboratories. They are also allowed to sit in first row of the class room to have a clear view of the board.

* **SC/ST, OBC and economically weaker sections**

The College arranges for the students from the economically weaker sections to get the government scholarships and the institute also provide the economic means scholarship to those who are not in a position to pay the college fees.

* **students to participate in various competitions/conferences in India and abroad**

Seminar / Workshops, Symposiums, Paper Presentations, Presentation on Communication skill development, motivational lectures by expert faculty are organized by the concerned departments of the college and also by various associations of the college for the benefit of the students . The students are encouraged and allowed in other colleges inside and outside the state to participate in various competitions. On duty permission, technical help and other necessary support are provided to the students in this regard. The usage of internet facilities for research journals is made available. This helps the students to keep in touch with the recent developments.

* **Health centre, health insurance etc.**

A medical practitioner in the cadre of civil Surgeon visits the institution periodically and looks after the medical needs of the students. A paramedical staff is available for

providing first aid to students and staff inside the campus. All the departments are equipped with basic medical facilities with a first aid box. Emergency medical care is being promptly arranged whenever necessary.

*** skill development (spoken English, computer literacy, etc.,)**

Training and Placement Cell (TCP) of the college organizes the communication skills, soft skills and personality development sessions on regular basis for students. Communication skill lectures were arranged for students with poor communications skill. All students have user level proficiency in MS-Office, DBMS and Basic programming languages. Institution also organizes the Microsoft Certified Technology Specialist (MCTS), CCNA certification courses. Workshops on technical software like LabVIEW, Staadpro, MATLAB and PSIM are conducted to enhance technical skills. The College also conducts coaching classes for BEC Preliminary and Vantage course for English proficiency.

*** performance enhancement for slow learners / students who are at risk of failure and dropouts**

Slow learners are identified from the analysis of various assessment processes such as weekly test, Internal Assessment Tests, Lab Viva session, interaction during the lecture delivery, etc. Their specific difficulties are sorted out and these students are suitably guided by the faculty in person during the extra hours such as Library /seminar hour/evening stay back/Saturday in addition to the special classes conducted for those students. Slow learners are also asked to take up the retests for the respective subjects. They are also given special attention by solving the important problems in the form of additional worksheets and assignments.

*** Exposure of students to other institutions of higher learning/ corporate/business houses, etc.**

The students are encouraged to do their final year project in the industries. Around 25% of the project groups are doing their project in the industries. The students are also exposed to the current trends in the industry by arranging guest lecture from the reputed institution and industries. The students are also encouraged to take up the in plant training in the industry to get the hands on experience about the current technology in the industries. The College arranges for industrial visits to the students to get first hand information about the industries and their technologies.

*** publication of student magazines**

A college level student magazine is published involving students of all branches. One Faculty In-charge from the Department of Electronics and Communication Engineering (ECE) acts as Staff Advisor for the students magazines. All the departments encourage their students to publish their literary, technical articles and placement tips in the form of magazines. Headed by a Faculty Editor, students write, select, edit articles, on general and specific issues. The purpose of the magazine is to facilitate

students to express their thoughts and ideas freely and also to develop and hone their other skills as all activities are managed by the student editors.

5.1.9 Does the College provide guidance / coaching classes for Civil Services, Defense Services, NET/SLET and any other competitive examinations? If yes, what is the outcome?

Various forms of coaching like communication skills, online materials, multimedia based learning, and solved question bank with keys etc. are provided by the faculty. Question bank for GRE, TOFEL, GATE and CAT are also maintained in the library. The students aspiring higher studies are given counseling and guidance for GATE. Necessary guidance and support are extended to students about defense and Civil service examinations.

5.1.10 Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as

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

For enhancing the students' participation in sports and extracurricular activities, the College and the Management has made several steps.

- * **additional academic support, flexibility in examinations**
 1. On-duty will be provided.
 2. Necessary class work arrangements made.
 3. Retest will be conducted only for valid reasons whenever necessary.
 4. Flexibility in examination as permitted by affiliating University is granted.
- * **special dietary requirements, sports uniform and materials**

All those things are met by the College management
- * **any other**
 1. Fee reduction
 2. Special admission quota
 3. Concession in hostel accommodation
 4. Organizing College Day and Sports Day.

5.1.11 Does the College have an institutionalized mechanism for placement of its students? What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

Yes, the college is having Training and Placement cell and Entrepreneurship Cell for students to prepare themselves for job interviews and develop entrepreneurship skills.

1. Online aptitude test,
2. Soft skill training,
3. Group discussion,

4. Mock interview.
5. Improving communication skill.
6. In-plant training
7. Industrial Visit
8. Bringing companies to recruit our students
9. Awareness programme on Self Employment

5.1.12 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus annually for the last four years).

Placement Records of 2014 Batch (up to Feb2014)

S. No	Corporate Name	No of Students Placed
1.	Cognizant Technologies Solutions	5
2.	Tech Mahindra	8
3.	Infosys	1
4.	Sutherland global services	4
5.	Vernalis systems	1
6.	TNQ Journals	1
7.	Acheron Technologies	1
8.	IDBI Federal	4
9.	S2I Vector	8
10.	V Creations	3
11.	IFB Industries Limited	2

Placement Records of 2013 Batch

S. No	Corporate Name	No of Students Placed
1.	Cognizant Technologies Solutions	2
2.	IFB Industries Limited	3
3.	HCL BSERV	7
4.	Sundaram Fasteners	17
5.	Zifo Technologies Ltd	1
6.	Aditya Birla	20
7.	Vernalis Systems	1
8.	Suresoft Systems PVT Ltd	1
9.	EDM Soft Solutions	36
10.	Sutherland Global Services	2
11.	Yogam BPO	1
12.	C Cubed Solutions	14

13.	TNQ Journals	3
14.	ITAAC Research Centre	2
15.	Reliance Marketing	10
16.	Cogzidel Technologies	19
17.	Sriram Transports	3
18.	Lycatel	5
19.	Elfin Enterprises	4
20.	AEE. BEE Educations	4

Placement Records of 2012 Batch

S. No	Corporate Name	No of Students Placed
1.	Wipro Technologies	2
2.	Cognizant Technology Solutions	1
3.	Mistral Solutions P Ltd	2
4.	Syntel Inc	1
5.	IFB Industries Limited	4
6.	CSS Corp	22
7.	HCL Bserv	4
8.	Zifo Technologies Ltd	2
9.	Smart Career Education	3
10.	Cruiseline Shipping Pvt Ltd	10
11.	ING Vysya Bank	15
12.	Suresoft Systems Pvt Ltd	5
13.	Clientele Consultancy Services	1

5.1.13 Does the College have a registered Alumni association? If yes, what are its activities and contributions to the development of the College?

Yes, the college has the registered alumni association which was started in the year 2005. The College conducts alumni meet every year. Institute has a separate alumni data base.

Distinguished alumni are identified and invited as a member for Board of Studies meeting for framing the curriculum and Syllabus for UG and PG courses.

College also invites alumni to give the guest lecturers & interact with students to enhance the knowledge & skills of the students.



Alumni Meet 'Decatainment' on 16.2.2013



Alumni Meet in Chennai on 22.1.2012

5.1.14 Does the College have a student grievance redressal cell? Give details of the nature of grievances reported and how they were redressed.

Grievance Redressal Cell is constituted with the Principal, Dean Academic and Heads of all Departments. Administrative block as well as every department block has a suggestion and grievance box in which students and faculty members can represent their grievances. Once in a week the box is opened in the presence of student and faculty co-ordinator. Based on the suggestions and grievances, necessary steps may be made to address the grievances. In addition the students can directly send their grievances to contact@psr.edu.in.

5.1.15 Does the College have a cell and mechanism to resolve issues of sexual harassment?

The College has Women Empowerment Cell to address the needs of girl students and lady faculty members. For the academic year 2013-14, this Cell is headed by Dr. K. Vimala Devi, Professor, Department of Computer Science and Engineering accompanied senior lady faculty members of all departments. If any of the girl student or lady faculty faces a problem related to sexual harassment, they can report immediately to the above committee. We have not received any such complaint for the past four years.

5.1.16 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?

For the academic year 2013-2014, Anti Ragging Cell headed by Principal and Dean Academic, Heads of all departments, Deputy Warden and students each department as members is functioning. Anti ragging measures are taken in the college campus, hostels and college buses.

Details of anti ragging committee including college members, external official members, parent members of senior and first year students, and student representative is communicated to the Registrar, Anna University.

No ragging incident is reported for the past four academic years.

Details of the various committee members are listed in the academic calendar as well as College web-site.

5.1.17 How does the College elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co - curricular activities, research, community orientation, etc. ?

The College organizes regular meeting with Alumni, Parents and Faculty members for the overall developments of students' community.

Alumni:

- * Assistance for Placement
- * Conduit the gap between the college and the Industry
- * Active participation in framing syllabi and curriculum
- * Motivation Programme

Parents :

- * Proper feedback and suggestions

Faculty members :

- * Motivating and counseling
- * Technical and research assistance

5.1.18 What special schemes/mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc?

Every Year College organizes Sports day. Students participate intramural games and sports. Selected students represent the College and participate in Tamilnadu Inter Engineering Sports (TIES) every year. College annual day is a regular event every year. This provides ample opportunity for all the students either to exhibit their talent in fine arts or witness. Further Inter department and Intra department activities are conducted for the student to cultivate the co-curricular activity.

14th Sports Day on 19.4.2013

5.1.19 How does the College ensure participation of women in ‘intra’ and ‘inter’ institutional sports competitions and cultural activities? Provides details of sports and cultural activities in which such efforts were made?

Details of participation of women in ‘intra’ and ‘inter’ institutional sports competitions are given below:

S. No	Events	Date	Venue	Results
1.	Badminton (shuttle)	28-07-2008 & 29-07-2008	Govt. college of Engg, Tirunelveli.	Winners
2.	Chess	18-09-2010 to 20-09-2010	Jayces Matric Hr. Sec School, Sivakasi	Winners
3.	Chess	09-06-2011 to 12-06-2011	Federation chess Tournament club, Rajapalayam.	IV – position
4.	Badminton	08-08-2013 & 09-08-2013	Dr. Sivanthi Adithanar Engg. College, Tiruchendur.	Winners
5.	Volleyball	23-09-2013 & 24-09-2013	P.S.R. Engg. College, Sivakasi.	IV-position
6.	Athletics triple jump	11-09-2013 to 15-09-2013	Dr. Sivanthi Adithanar Engg. College, Tiruchendur.	Runner



Womens' Zonal Volleyball Match

5.2 Student Progression

5.2.1 Provide details of programme-wise success rate of the College for the last four years. How does the College compare itself with the performance of other autonomous Colleges / universities (if available).

Name of the Course	Academic year	Appeared		Pass percentage	
		Male	Female	Male	Female
B.Tech. Bio-Technology	2012-2013	2	9	100	100
	2011-2012	6	11	100	91
	2010-2011	4	17	100	100
	2009-2010	6	28	100	100
B.E. Civil Engineering	2012-2013	48	13	79.17	92.31
B.E. Computer Science and Engineering	2012-2013	28	51	75	78.4
	2011-2012	39	44	74.4	78.6
	2010-2011	45	49	71.1	81.6
	2009-2010	31	35	74.2	77.1
M.E. Computer Science and Engineering	2012-2013	1	16	100	93.8
	2011-2012	1	17	100	100
	2010-2011	4	14	100	100
B.E in Electronics and Communication Engineering	2012-2013	66	65	80.3	93.8
	2011-2012	61	65	64	90.7
	2010-2011	50	72	70	97.2
	2009-2010	62	69	75.6	94.2
B.E. Electrical and Electronics Engineering	2006- 2010	39	27	66.66	100
	2007- 2011	48	16	79.11	87.5
	2008- 2012	46	13	71.15	92.3
	2009- 2013	46	19	80.43	84.21
B.Tech. Information Technology	2012-2013	23	12	60.8	83.3
	2011-2012	30	30	53.3	83.3
	2010-2011	36	30	75	90
	2009-2010	28	38	85.7	89.4
B.E in Mechanical Engineering	2012-2013	60	-	91.66	-
	2011-2012	66	-	92.42	-
	2010-2011	65	01	75.38	100
	2009-2010	65	-	96.87	-
Master of Business Administration	2012-2013	31	26	61.3	80.77
	2011-2012	24	26	50	69.23
	2010-2011	27	31	48.15	70.97
	2009-2010	33	23	63.64	82.61

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

Department of Bio-Technology:

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG	NA	NA	NA	NA
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	NA	NA	NA	NA
Ph.D. to Post-Doctoral	NA	NA	NA	NA
Employed				
• Campus selection	-	23.8	11.75	36
• Other than campus recruitment				
Entrepreneurs				--

Department of Civil Engineering:

Student progression	Percentage against enrolled (2012-2013)
UG to PG	15
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	Nil
• Other than campus recruitment	36
Entrepreneurs	6

Department of Computer Science and Engineering:

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG	12.5	15.18	15.38	15.2
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	-	5%(1/18)	-	5%(1/18)
Ph.D. to Post-Doctoral	NA	NA	NA	NA
Employed				
• Campus selection	10	25	27.69	14.75
• Other than campus recruitment	60	35	53.84	19.67
Entrepreneurs	8	2.5	22	--

Department of Electronics and Communication Engineering:

Student progression	Percentage against enrolled			
	2012-2013	2011-2012	2010-2011	2009-2010
UG to PG	16	8	10	14
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	NA	--	--	--
Ph.D. to Post-Doctoral	NA	--	--	--
Employed				
• Campus selection	23	8	5	11
• Other than campus recruitment	27	60	65	34
Entrepreneurs	--	2	--	--

Department of Electrical and Electronics Engineering:

Student progression	Percentage against enrolled			
	2009-10	2010-2011	2011-2012	2012-2013
UG to PG	18.18	15.3	18.4	15.3
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	NA	NA	NA	NA
Ph.D. to Post-Doctoral	NA	NA	NA	NA
Employed				
• Campus selection	6	9	14	20
• Other than campus recruitment	15	23	25	25
Entrepreneurs		--	--	--

Department of Information Technology:

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG	45.5	22.7	18.3	2.8
PG to M.Phil.	-	-	-	NA
PG to Ph.D.	-	-	-	NA
Ph.D. to Post-Doctoral	-	-	-	NA
Employed				
• Campus selection	18	7.5	5	42.8
• Other than campus recruitment	59.7	53	41	57
Entrepreneurs	-	-	-	-

Department of Mechanical Engineering:

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG	3.07	15.15	15.15	8.33
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	NA	NA	NA	NA

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
Ph.D. to Post-Doctoral	NA	NA	NA	NA
Employed	13.8	7.58	22.72	50
• Campus selection				
• Other than campus recruitment		53	45.45	25
Entrepreneurs		-	-	-

Department of Business Administration:

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG				NA
PG to M.Phil.	2	2	1	
PG to Ph.D.				
Ph.D. to Post-Doctoral				NA
Employed	-	31.48	-	5.77
• Campus selection				
Other than campus recruitment	1.69	-	-	23.07
Entrepreneurs	1		1	

5.2.3 What is the Programme-wise completion rate/dropout rate within the time span as stipulated by the College/University?

The programme-wise completion rate is given below:

Name of the Course	Academic year	Appeared		Pass percentage	
		Male	Female	Male	Female
B.Tech. Bio-Technology	2012-2013	2	9	100	100
	2011-2012	6	11	100	91
	2010-2011	4	17	100	100
	2009-2010	6	28	100	100
B.E. Civil Engineering	2012-2013	48	13	79.17	92.31
B.E. Computer Science and Engineering	2012-2013	28	51	75	78.4
	2011-2012	39	44	74.4	78.6
	2010-2011	45	49	71.1	81.6
	2009-2010	31	35	74.2	77.1
M.E. Computer Science and Engineering	2012-2013	1	16	100	93.8
	2011-2012	1	17	100	100

Name of the Course	Academic year	Appeared		Pass percentage	
		Male	Female	Male	Female
	2010-2011	4	14	100	100
B.E in Electronics and Communication Engineering	2012-2013	66	65	80.3	93.8
	2011-2012	61	65	64	90.7
	2010-2011	50	72	70	97.2
	2009-2010	62	69	75.6	94.2
B.E. Electrical and Electronics Engineering	2006- 2010	39	27	66.66	100
	2007- 2011	48	16	79.11	87.5
	2008- 2012	46	13	71.15	92.3
	2009- 2013	46	19	80.43	84.21
B.Tech. Information Technology	2012-2013	15	10	42.8	28.6
	2011-2012	16	25	26.7	41.7
	2010-2011	27	27	41	41
	2009-2010	24	34	36.3	51.5
B.E in Mechanical Engineering	2012-2013	60	-	91.66	-
	2011-2012	66	-	92.42	-
	2010-2011	65	01	75.38	100
	2009-2010	65	-	96.87	
Master of Business Administration	2012-2013	31	26	33.33	36.84
	2011-2012	24	26	24	36
	2010-2011	27	31	22.41	37.93
	2009-2010	33	23	37.5	33.92

5.2.4 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.

S.No	Competitive Examinations	No. of students cleared
1.	GATE	17
2.	GRE	1
3.	TOFEL	1
4.	TNPSC	1
5.	MCTS(Microsoft Certified Technology Specialist)	35
6.	BEC Preliminary (Business English Certificate)	13

5.2.5 Provide details regarding the number of Ph.D/D.Sc./D.Litt. theses submitted, accepted, resubmitted and rejected in the last four years.

Name of the Research Scholar	Name of the Programme / University	Faculty	Year of Completion	Status
Mr. P. Ranjith Kumar	Ph.D. / Anna University	Information and Communication Engineering	2013	Thesis Accepted and Degree Awarded
Ms. P. Kavitha	Ph.D. / Manonmaniam Sundaranar University	Mathematics	2013	Thesis Accepted and Degree Awarded
Mr. Ruba Soundar	Ph.D. / Anna University	Information and Communication Engineering	2010	Thesis Accepted and Degree Awarded

5.3 Student Participation and Activities

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

Every year College organizes Annual day and Sports day and all the department students are encouraged to attend cultural and sports activities. The interested students are specially motivated by the college to enrich the next level. Further every month Inter department and Intra department activities are conducted for the student to cultivate the co-curricular activity.

The table depicts the sports facilities in the college:

S.No	Facility	Quantity
1.	400 mts athletics track	1
2.	Football field	1
3.	Hockey field	1
4.	Volleyball courts	4
5.	Tennis court	1
6.	Kabbadi court	2
7.	Ball badminton	1
8.	Badminton (shuttle) court	2
9.	Six station gym	1
10.	Table tennis board	2
11.	Basketball court	1
12.	Handball court	1



Students Participation in Sports and Cultural events

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

Sports activities year 2008-2009:

S. No.	Events	Date	Venue	Results
1	Cricket (Men)	17-08-2008 to 21-08-2008	Athiyaman Engg College, Housr.	Winners
2	Badminton(Shuttle) (Women)	28-07-2008 & 29-07-2008	Govt College Of Engg, Tirunelveli.	Winners
3	Volleyball (Men)	7 To 8 Aug 2008	Mepco Schlenk Engg College, Sivakasi.	Runners

Anna University-Tirunelveli Inter Zone Tournaments:

S.No	Events	Date	Venue	Results
1	Cross country	9-10-2009 & 10-10-2009	Dr. Sivanthi Adithanar Engg. College, Tiruchendur.	Runners
2	Ballbadminton (men)	10-08-2009 & 11-08-2009	Jayaraj Annapakkiyam CSI College of Engg., Nazareth.	Winners
3	Hockey (men)	24 to 25 Aug 2009	National Engg. College, Kovilpatti.	Runners

Sports activities year 2009-2010:

Anna University-Tirunelveli Inter Zone Tournaments:

S.No	Events	Date	Venue	Results
1	Chess (women)	18-09-2010 to 20-09-2010	Jayces Matric Hr. Sec. School, Sivakasi	Winners
2	Cross country (men)	7-08-2010	SCAD Engg. College, Cheranmahadevi.	V- position
3	Football (men)	22-09-2010 to 24-09-2010	SCAD Engg. College, Cheranmahadevi.	V –position

Sports activities year 2010-2011:

Anna University-Tirunelveli Inter Zone Tournaments:

S.No	Events	Date	Venue	Results
1	Chess(men & women)	09-06-2011 to 12-06-2011	Federation Chess tournament club, Rajapalayam.	(Men –VI) (women–IV) position
2	Best physique (men)	26-12-2011 to 28-12-2011	Sathyam College of Engg., Aralvaimozhi	Winner
3	Power lifting (men)	26-12-2011 to	Sathyam College of	III- position

		28-12-2011	Engg., Aralvaimozhi	
4	Cross country race (men)	13-10-2011	Dr. Sivanthi Adithanar Engg. College, Tiruchendur.	V-position
5	Chess (women)	09-06-2011 to 12-06-2011	Federation chess tournament club, Rajapalayam.	IV - position

Sports activities year 2012-2013:

Anna University Tirunelveli Inter Zone Tournaments:

S. No.	Events	Date	Venue	Results
1	Badminton (women)	08-08-2013 to 09-08-2013	Dr. Sivanthi Adithanar Engg College, Tiruchendur.	Winners
2	Badminton (men)	24-08-2013 & 25-08-2013	Kalasalingam Institute of Technology, Krishnankoil.	III- position
3	Handball (men)	07-09-2013 & 08-09-2013	Infant Jesus Engg. College, Keelavallanadu.	IV-position
4	Volleyball (Women)	23-09-2013 & 24-09-2013	P.S.R. Engg. College, Sivakasi.	IV-Position
5	Athletics Javelin Throw (Men)	11 to 15 sep 2013	Dr. Sivanthi Adithanar Engg. College, Tiruchendur.	Winner
6	Athletics Javelin Throw (Men)	10-10-2013 to 13-10-2013	Athiyaman Engg. College, Housr.	III-Position
7	Athletics Triple Jump (Women)	11-09-2013 to 15-09-2013	Dr. Sivanthi Adithanar Engg. College, Tiruchendur.	Runner

5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?

At the end of every semester the college is collecting feedback from students for improving the teaching - learning process.

The feedback can be used for the academic and non-academic related problems, enrichment of teaching learning process, developing faculty-student relationship, improve training and placement activities.

5.3.4 Does the College have a mechanism to seek and use data and feedback from its graduates and employers, to improve the growth and development of the College?

Yes. There is a mechanism is available to seek and use data and feedback from graduates and employers. During Graduation ceremony and during alumni meet feedback is collected from graduates and accessed for further growth aspects of the institution.

Feedback from employers and graduates is being considered for starting a new programme or new course in the particular engineering discipline.

5.3.5 How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the major publications/ materials brought out by the students during the previous academic session.

A college level student magazine is published involving students of all branches. One Faculty In-charge from the Department of Electronics and Communication Engineering (ECE) acts as Staff Advisor for the students magazines. All the departments encourage their students to publish their literary, technical articles and placement tips in the form of magazines. Headed by a Faculty Editor, students write, select, edit articles, on general and specific issues. The purpose of the magazine is to facilitate students to express their thoughts and ideas freely and also to develop and hone their other skills as all activities are managed by the student editors.

5.3.6 Does the College have a Student Council or any similar body? Give details on its constitution, major activities and funding.

Every year, students select their class representatives and from the elected class representatives, office bearers of students department association are selected.

Dean Academic is a mentor for students association. Office bearers of the association offer opinions and suggestions without any fear for the betterment of the institution. Adequate funds are provided by the management for the activities of students association.

5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.

Academic and administrative bodies that have student representatives on them are given below:

- Class Committees
- Library Committee
- Sports Committee
- Transport Committee
- Hostel Committee
- Cultural Committee
- Training and Placement Cell
- Entrepreneurship Development Cell

Any additional information regarding Student Support and Progression, which the institution would like to include.

- In order to ensure travel convenience for day scholar students, the Management comes forward and takes necessary steps in arranging Tamilnadu State Transport Corporation buses from various places such as Kovilpatti, Sivakasi, Sattur, Sankarankoil, Rajapalayam and Srivilliputhur to the College in morning and evening sessions during working days.
- During weekends, special College bus trips are arranged to Madurai and Tirunelveli especially for the girl students.



Tamilnadu State Transport Corporation operating buses directly to the College from neighboring towns during morning and evening

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the College.

Vision:

- To contribute to the society through excellence in technical education with societal values and thus a valuable resource for industry and the humanity.

Mission:

- To create an ambience for quality learning experience by providing sustained care and facilities.
- To offer higher level training encompassing both theory and practices with human and social values.
- To provide knowledge based services and professional skills to adapt tomorrow's technology and embedded global changes

6.1.2 Does the mission statement define the College's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, College's traditions and value orientations, vision for the future, etc.?

Yes

- The students are given quality learning experience by qualified faculty members and updated learning facilities.
- Curriculum is modified to enrich the human and social values among the students
- Various training programmes on professional skills are given to the students in order to prepare them for the global changes

6.1.3 How is the leadership involved in

*** ensuring the organization's management system development, implementation and continuous improvement**

- The Board of Management (BOM) takes strategy decisions and policies.
- Based on the direction of the BOM, the development of curriculum is made by Board of Studies and that is approved by Academic Council
- In Department level, the class committee monitors the implantation of the developments and ensures the continuous improvement.

*** interaction with stakeholders**

- The stakeholders of the college are:

Students
• Most beneficiaries of the programme • Students inputs will help to modify contents of the syllabi and introduction of new courses • Feedback of the students helps to modify the teaching and learning methodologies.
Industry
• Major end users of our graduates. • Specifies the expected competencies of the graduates • Provide inputs to bridge the gap between industry and academia
Alumni
• Alumni are important as they are a measure of the long-term success of our programme. • Points out the gaps between the students and the expectation of the Industry/ Research Organizations. • Alumni feedback helps in curriculum design and enriches the programme with the latest developments in engineering. • Experience of the alumni provides inputs to the students in point of their career advancements.
Faculty
• Major human resource for attaining the objectives of the programme. • Direct participation in implementing the teaching and learning process of the department. • Involve in the process of designing curriculum, and monitoring the attainments of programme outcomes
Parents
• Monitor their wards during the programmes and expect them to be in a good job or undergo higher education in leading institution inside or abroad.
Management
• Provides support in building up the facilities and necessary helps for successful achievement of the vision and mission of the department.

- Regular meeting / discussion with the stakeholders is in practice.

*** reinforcing culture of excellence**

- All the departments conduct Conferences / Technical Symposiums / Seminars / Workshops regularly in order to provide state-of-art of knowledge in their field.

- The Students as well as faculty members are motivated to present papers in international / national conferences and also publish the papers in peer reviewed journals
- Students with good academic records / co-curricular and extracurricular records are rewarded every year

*** Identifying needs and championing organizational development (OD)?**

- The needs are identified by the following ways:
 - Feedback given by the students
 - Feedback given by the Alumni
 - Feedback given by the Employer
 - Feedback given by the Faculty Members
 - Discussion with the Academic experts
 - Interaction with the parents
 - Discussion with the Board of Management
- Based on the need the necessary decision is made with the approval of Board of Management.
- The decisions made by the Board of Management are executed by the Principal, Head of the departments and other faculty members

6.1.4 Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.

No senior leadership positions were vacant

6.1.5 Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?

Yes. The college is having the following statutory bodies:

- Board of Management
- Finance Committee
- Academic Council
- Board of studies

All the statutory bodies are formulated as per the regulations of UGC and Anna University, Chennai. The meetings are conducted as per the requirements.

6.1.6 Does the College promote a culture of participative management? If yes, indicate the levels of participative management.

Yes. The college promotes the culture of participative management. The members in the participative management are:

- Management
- Principal
- Dean (Academic)
- Controller of Examination
- Head of the Departments
- Faculty members
- Non teaching staff
- Students

Each members takes active part in the planning, implementation and policy making of the Institute.

- The Principal, Dean (Academic), Controller of Examination and Head of the Departments are actively involved in the planning of the academic calendar and teaching learning process.
- The faculty members are involved in the implementation of the academic calendar and teaching learning process.
- The faculty members are assigned responsibilities as in-charges of various administrative cells.
- The Students are having responsibilities as various association in-charges.
- The planning and organization of co-curricular and extracurricular activities is performed by the faculty and students in-charges.
- The feedback given by the faculty members, non teaching staff and students are used to plan the transport and other related activities.
- Head of the Departments has major role in the development of the individual departments, procurement of equipments, software, tools and consumables, selection of faculty, programs and activities and research activities.

6.1.7 Give details of the academic and administrative leadership provided by the University to the College?

All the statutory bodies are having members nominated by the Anna University.

- Board of Management

- Dr. S. Silas Sargunam, Dean(Academic)i/c and Assistant Professor, Department of Management Studies , Anna University Regional centre, Tirunelveli – 627 007
 - Academic Council
 - Mr.U.Arunachalam, Deputy Controller of Examination and Assistant Professor, Department of Mechanical Engineering, Anna University Regional centre, Tirunelveli – 627 007
 - Dr.S.Adish Kumar, Assistant Professor, Department of Civil Engineering, Anna University Regional centre, Tirunelveli – 627 007
 - Mrs.Dejay Assistant Professor, Department of Computer Science and Engineering, Anna University Regional centre, Tirunelveli – 627 007
 - Board of studies
 - Each board of studies is having Anna University nominees based on the branch.
- 6.1.8 How does the College groom the leadership at various levels?
- Students
 - Students are organizing Technical Symposiums / Workshops / Guest Lectures with the help of faculty members
 - All the departments are having various clubs and associations. The students are in the key positions in the clubs and associations.
 - Faculty Members
 - Many faculty members are the in-charges of various functional administrative cells in the college.
 - They are organizing conferences and other college / department level functions / events.
- 6.1.9 Has the College evolved any strategy for knowledge management? If yes, give details.
- Yes.
- The college regularly publishes magazines. The faculty members and students are motivated to write articles in the latest technological developments.
 - The faculty members and students are motivated to publish papers in journals and conference presentations.

6.1.10 How are the following values reflected in various functions of the College?

- * Contributing to national development
 - Organized INSPIRE programme to the school students
 - Organizing NSS camps in and around the college
 - Organizing medical camps to the rural people
 - Tree plantation in and around the college
- * Fostering global competencies among students
 - Conducting various international certification courses in all the departments
 - Conducting soft skill training programme through outsourcing
 - Provision for BEC examination
 - Organizing conferences/seminars/workshops/guest lectures for the students regularly
 - Students are motivated to present papers in conferences/seminars
- * Inculcating a value system among students
 - The ethical and social values are inculcated among students by involving them in NSS camps in the nearby villages, environmental cleanliness, blood donation camps and eye camps.
 - The other functional cells such as YRC and RRC are also involved in such activities.
- * Promoting use of technology
 - Learn on line - **Moodle** is in use to perform various activities like group assignments / group projects and to share the materials.
 - e-content through national and international portals such as:
 - **NPTEL** <http://nptel.iitm.ac.in>
 - **MIT Open Courseware** <http://ocw.mit.edu/index.htm>
 - Organizing workshops/guest lectures for the students regularly to update the technology
- * Quest for excellence
 - Students are trained to get university ranks
 - Soft skill training is given to the students from their first year study onwards.
 - Students are motivated to take part in international certification and value added courses
 - Faculty members are motivated to publish papers and submit proposals to the funding agencies

6.1.11 Give details of the UGC autonomous review committee's recommendations and its compliance.

- Autonomous status was conferred to the Institution by UGC in the year 2012.

6.2 Strategy Development and Deployment

6.2.1 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.

*** Teaching and learning**

- e- learning environment
- Online material sharing
- Based on Bloom's taxonomy
- ICT based teaching
- Students are encouraged to give seminars
- Guest lectures are arranged to enhance the latest technological advancements
- e-journals

*** Research and development**

- The Department of Computer Science and Engineering is a recognized research centre of Anna University, Chennai.
- 17 faculty members are having Ph.D qualification and 21 are pursuing Ph.D
- One DST Fast Track project has been received
- Eight project proposals were submitted to various funding agencies
- Thirteen student project proposals were submitted to TNSCST
- An active Research and development cell is functioning in the college to promote research activities
- All the departments are organizing conferences and workshops
- On-duty is given to the faculty members to present papers in international & National Conferences.

*** Community engagement**

- Through NSS medical camps are organized regularly
- Organizing blood donation
- Regular NSS camps are organized in and around the college to serve the society
- Tree plantation in and around the college
- An active YRC and RRC is also functioning in the college for the purpose to serve the student community as well as the society

- INSPIRE programme for school children around the college
- Computer skill development programme to the President, chairman of local governance
- Election duty
- Center for TNPSC and other public service commission examinations

*** Human resource planning and development**

- For the recruitment of teaching, non teaching staff members and administrative staff members Anna University regulations are followed
- The staff student ratio in all the departments are adequate
- For the development of the faculty members, Faculty development programmes, workshops and seminars are organized regularly.
- Research activities are motivated among the faculty members

*** Industry interaction**

- The college is having an individual administrative setup called “Industry Institution Interaction cell”. Through this cell the following activities are performed:
 - Visit to the industry
 - Guest Lectures
 - Signing MoUs for the benefit of the students
- A separate placement office with sufficient man power is functioning for the following purpose:
 - Arrangements of on campus as well as off campus interviews
 - Arrangements of placement training programmes to the students
- Apart from that, the students are motivated to do industrial projects
- During semester holidays the students have undergone in-plant training / internship in industries
- Every year industrial visits have been arranged for the students to visit reputed major industries in and outside Tamilnadu.
- The industrial experts are one of the members in Board of studies and Academic Council. Based on their suggestions the curriculum is modified to provide enhanced knowledge in the latest developments.

*** Internationalisation**

- Some of our Alumni are studying / working abroad.
- Guest lectures by the experts from abroad are arranged

- Some of our faculty members are having study as well as work experience in abroad. They give motivation / ideas about the work culture and studying environment to the students.
- Some of our faculty members are recognized as reviewers to the international journals.

6.2.2 Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.

- The internal organizational structure of the College is depicted in the following figure 6.1.
- The strategy decisions / policies are made by the Board of Management / Governing council
- The execution is taken care by the Dean, head of the departments, Controller of Examinations and other administrative staffs.

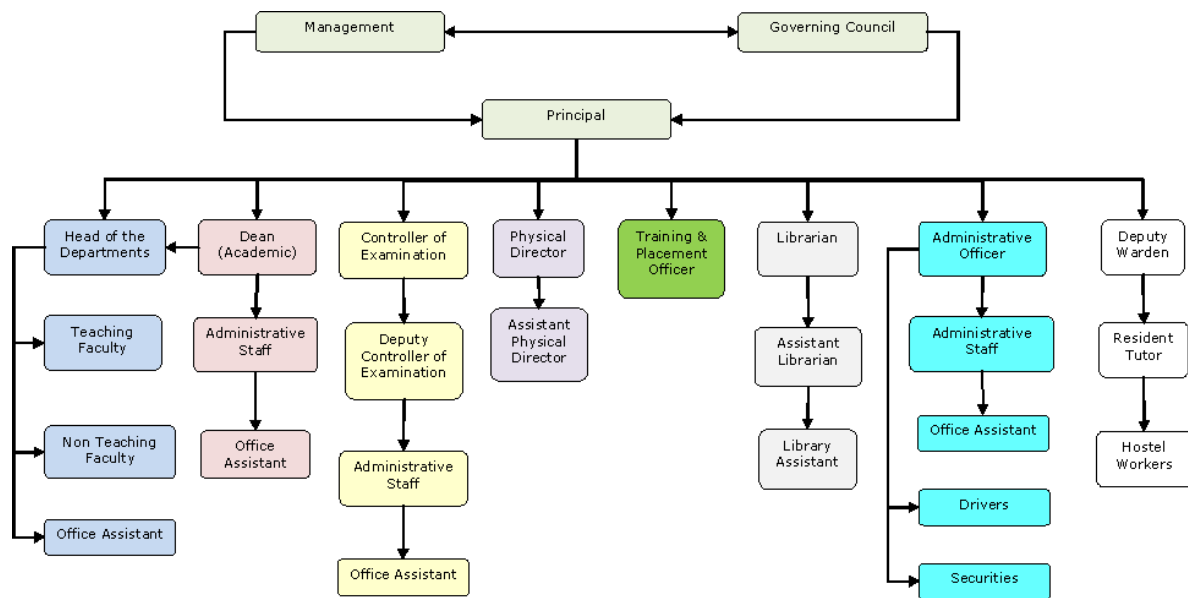


Figure 6.1. Internal organizational structure of the College

6.2.3 Specify how many planned proposals were initiated/implemented, during the last four years. Give details.

- Department of Computer Science and Engineering has been recognized as research center of Anna University in the Year 2010
- Autonomous status conferred to the college for 6 years by UGC in the year 2012
- Started M.E programmes in Applied Electronics and Structural Engineering in the year 2012

- The intake for B.E Mechanical Engineering Programme is enhanced to 120 from 60 in the year 2012.
- Started M.E programmes in Power Electronics and Engineering Design in the year 2013
- The intake for B.E Civil Engineering Programme is enhanced to 120 from 60 in the year 2013.
- The intake for B.E Computer Science and Engineering Programme is enhanced to 120 from 90 in the year 2013.

6.2.4 Does the College have a formally stated quality policy? How is it designed, driven, deployed and reviewed?

- Yes. The quality policy is designed as per the guidelines of ISO 9001:2008.
- Internal Quality audits are regularly conducted
- External Quality audits are conducted as per the requirements of ISO 9001:2008
- The ISO 9001:2008 certification is given by Germanischer Lloyd

6.2.5 How does the College ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?

- The students issues are addressed in the class committee meetings. Three class committee meetings are conducted every semester as per the guidelines of Anna University. Apart from that the students can access the Head of the Departments, Principal and the Management at any time to solve their grievances. Faculty Advisor system is functioning effectively in the college to ensure / monitor the student's performance.
- The issues of the Faculty Members are addressed in the staff meetings. The issues are forwarded to the Principal and the Management by the Head of the Departments.
- The suggestions given by the Alumni Members, Employers are collected through feedbacks and that will be incorporated in the curriculum development and infrastructural development
- The issues of the Parents are addressed in the Parent Teacher Association meetings. The issues are directly taken care by the Principal and the Management.

6.2.6 Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

- Yes. The college is having a well defined mechanism to get the feedback from the students.
- The feedbacks from the students are collected by the Head of the Departments in a standard prescribed questionnaire.
- The Analysis is made by the Head of the Departments and that is submitted to the Principal. Based on the feedback, appreciation or counseling is given to the faculty members to improve their performance.

6.2.7 In what way the affiliating University helped the College to identify the developmental needs of the College?

- The statutory bodies such as Academic Council and Board of Studies are having members nominated by the Anna University. They give suggestions while framing the curriculum and syllabus for the UG and PG programmes.
- University nominees are appointed as AUR for the smooth conduct of End Semester Examinations.
- University nominee is appointed for the Result passing board to publish the results.
- Support is provided to conduct FDPs

6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, In what way College is benefitted.

No

6.2.9 How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it is utilized.

- The feedback given by the teaching and non-teaching staff Members are received in the department staff meetings. That is submitted to the Principal and the Management by the Head of the Departments for necessary actions.
- The feedbacks of the Parents are received during the Parent Teacher Association meetings. The issues are directly taken care by the Principal and the Management.
- The feedback from the Alumni Members are collected through a well designed questionnaire in the following ways:
 - Through Alumni meet which is organized by the college
 - Through e-mails
 - Through the college website
 - During convocation/ graduation day
 - During their visit to the college / departments

- The suggestions given by the Alumni will be incorporated in the curriculum development and infrastructural development

6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?

- Yes. The college encourages the autonomy to the departments. The curriculum development is made by the individual Board of Studies.
- Each Board of Studies is chaired by the respective Head of the Departments. They collect the views / opinions of the members (Faculty members, Academic experts, industrial experts, Alumni and University Nominee) and analyze the views. The finalized curriculum will be submitted to the Academic Council for approval.
- The faculty members are given autonomy to design and use the suitable delivery methods to teach the course to the students.

6.2.11 Does the College conduct performance auditing of its various departments?

- Yes. The college conducts the following performance audits:
 - Internal Academic Audit – The audit is performed by the senior faculty members of all the departments. They will audit the course delivery, course file, course material and tutorial sheets for all the courses.
 - External Academic Audit - The audit is performed by the senior academicians from other institutes.
 - ISO Quality Audit – Both internal and external audit is performed to monitor the quality process of the college.

6.3 Faculty Empowerment Strategies

6.3.1 What efforts are made by the College to enhance the professional development of teaching and non teaching staff?

- **For Teaching Faculty:**
 - All the newly recruited faculty members are given induction training before the commencement of the semester.
 - All the faculty members are motivated to do research activities (Registering Ph.D., publishing papers in reputed journals, presenting papers in international /national conferences & submitting research proposals to funding agencies)
 - All the faculty members are encouraged to attend FDPs
 - On duty leave is given to the faculty members to attend FDP, conferences etc.,

- All the departments are encouraged to organize conferences, workshops and FDPs.
- **For Non-teaching Faculty:**
 - Various skill development programmes are conducted to the non-teaching faculty members to enhance their skill.
 - Training programmes are arranged to update their knowledge in the latest equipments.
 - Through various maintenance cell, several real maintenance / repair works are performed. This will enrich the knowledge and skill of the non-teaching faculty members.

6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.

- The Performance Appraisal of the staff is done by the Principal and the Management. The Purpose of the appraisal is to motivate the staffs.

6.3.3 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?

S.No	Welfare schemes	Beneficiaries
1.	Employees Provident Fund	All teaching and non teaching staff members
2.	ESI	All non teaching staff members
3.	Group Insurance	All teaching and non teaching staff members
4.	Free Uniform	All non teaching staff members
5.	Free transport service	All non teaching staff members
6.	Loan assistance scheme from Banks	More than 50% of the teaching and non teaching staff members
7.	Maternity Leave	Given based on the request

6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?

- The facilities like individual cabin, computer facilities etc., is provided
- Better salary structure
- Promotion & Increment criteria are fixed by the Management and Principal. Based on the Criteria the eligible staff members get benefited
- Incentive for Funded Projects

6.3.5 Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.

- There is no formal gender auditing is carried out. But the college management is very generous to fulfill the needs and welfare of the women staff and students.

6.3.6 Does the College conduct any gender sensitization programs for its staff?

- Women's day celebration is regularly organized.

6.3.7 What is the impact of the University's UGC-Academic Staff College Programmes in enhancing competencies of the College faculty?

- More than 60% of the faculty members have attended the FDPs and workshops every year. Through the programmes the knowledge is updated.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of financial resources?

- The Head of the Departments collects the requirement for the forthcoming semester from the laboratory in-charges.
- The budget proposals have been prepared by the Head of the Departments and that is submitted to the Principal.
- The Principal analyze the requirements submitted by all the departments and forward the proposal to the Management.
- The Management sanctions the proposal and the purchasing process is initiated.

6.4.2 Does the College have a mechanism for internal and external audit? Give details.

Yes.

- The internal audit is conducted by the Finance Officer.
- The external audit is performed by the chartered accountant appointed by the college

6.4.3 Provide audited income and expenditure statement of academic and administrative activities of the previous four years.

Enclosed in the Annexure

6.4.4 Have the accounts been audited regularly? What are the major audit objections and how are they complied with?

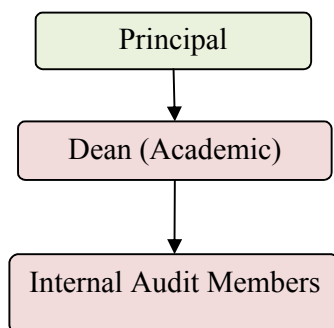
Yes.

The accounts have been audited regularly. There is no major audit objection.

- 6.4.5 Narrate the efforts taken by the College for resource mobilization.
- The resource mobilization is taken care by the P.S.Ramasamy Telugu Minority Educational and Charitable Trust.
- 6.4.6 Is there any provision for the College to maintain the 'corpus fund'? If yes, give details.
- No

6.5 Internal Quality Assurance System

- 6.5.1 Does the College conduct an academic audit of its departments? If yes, give details.
- Yes. The college conducts the following academic audits:
- Internal Academic Audit – The audit is performed by the senior faculty members of all the departments. They will audit the course delivery, course file, course material and tutorial sheets for all the courses.
 - External Academic Audit - The audit is performed by the senior academicians from other institutes.
- 6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?
- Based on the recommendations of academic audit the teaching learning process is further improved.
- 6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?
- Yes.
- The teaching learning process is regularly monitored by the class committee. The class committee is constituted by the regulations of the Anna University. The class committee is having the following members:
 - A senior faculty member as chair person
 - Subjects handling staff
 - Class advisors
 - Student members (selective students from top, middle and bottom level)
 - Apart from the class committee, the college is having a central body within the College to continuously review the teaching learning process. The structure is shown in flow chart below:



- The following audits are regularly conducted:
 - Audit after the commencement of the classes to check the following:
 - Course Material
 - Course File
 - Course concept delivery
 - Tutorial Sheet
 - Model Questions
 - Logbook
 - Audit after the Internal Assessment Tests to check the following:
 - All the above items
 - Percentage of syllabus coverage
 - Question paper analysis (Question Vs Course Outcome)
- As an outcome, the teaching learning process is further improved if required..

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

IQAC was established on 29.1.2014.

6.5.5 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

Yes, IQAC has external members.

6.5.6 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

Yes

6.5.7 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

- This hierarchy of the organization is shown in Figure 6.1. The management and the principal are making the policy decisions. The other members are in the part of execution.
- The routine academic and administrative activities in the college are monitored by the Principal.
- Head of the Departments monitor the academic and administrative activities of the department.
- The requirement of new labs and procurement of equipment is initiated by the Lab in-charge. Lab In-charges discuss with the Head of the Departments and the Head of the Departments submit the proposal to the Principal.
- The Principal submits the proposal to the Management for approval.
- The activities of Research Centers are taken care by the center coordinator.

Any additional information regarding Governance, Leadership and Management, which the institution would like to include.

- Student members are included in the Board of Studies of the departments. This gives opportunity and representation to the students to involve in the curriculum development and syllabus framing.



Board of Studies – External Members



A Board of Studies Meeting in Progress



Board of Studies – Student Members

CRITERIA VII: INNOVATION AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the College conduct a Green Audit of its campus?

- No formal Green Audit is conducted. However the NSS takes care of creating the green campus.
- Tree plantation is done by NSS regularly.
- Pollution free environment is maintained by the Sanitary Staff
- The Gardeners are taking care of the gardening in the college
- Waste water is recycled and used for gardening.

7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?

*** Energy conservation**

- Energy saving is emphasized among the students and staff members.
- All the electrical appliances are switched when they are not in use.
- Switching off /unplugging fans, lights, air conditioners, computers, printers, and electrical and electrical equipment when not in use
- Provision of master switches in all the departments to switch off all fans/ lights, at the end of class work.
- To save energy, energy conserving lights like CFL, LED are used in the college campus
- All the class rooms and Laboratories are constructed with better natural light and ventilation facilities
- The UPS Batteries in all laboratories are maintained in good condition to reduce the charging current of batteries
- All the equipments are maintained regularly in order to avoid the excess energy usage.

*** Use of renewable energy**

- Solar based Lighting System is available in the campus
- Solar energy based projects are done by Mechanical Engineering students.

*** Water harvesting**

- The buildings are provided with rain water harvesting systems.
- The waste water is recycled and used for gardening

*** Check dam construction**

Nil

*** Efforts for Carbon neutrality**

- All the vehicles in the campus are tested for carbon emission.

- The movement of the vehicles inside the campus is restricted during college working hours.
- Cigarettes and tobacco products are strictly banned in and around the college as per the Government rules.
- CRT monitors are replaced by LCD monitors.
- More than 500 trees are planted in the campus to provide green environment.

*** Plantation**

- Trees are regularly planted in the campus by NSS.
- Trees planted in the campus are nurtured to ensure green environment.
- Vegetable gardens are also available in the campus.
- Only natural fertilizers are used for plants and trees in the campus

*** Hazardous waste management**

- Hazardous wastes very minimal in the college campus.
- The chemical wastes in the chemistry laboratory are disposed safely as per the procedure.
- The bio wastes (Bacteria etc.,) in the Bio Technology laboratory are disposed safely as per the safety norms.
- The Smoke from the engines in the Mechanical Laboratory is dispersed in the atmosphere safely by smoke pipes.

*** e-waste management**

- Used computers with good quality and low configuration are given to nearby schools.
- The computers in unused condition are sent for recycling

7.2 Innovations

7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.

- Learn online (MOODLE)
 - Learn Online is a Course Management System (CMS), also known as a Learning Management System (LMS) or a Virtual Learning Environment (VLE). It is a web application that educators can use to create effective online learning sites
 - Automated teaching and learning system was introduced to improve the teaching and learning skill.
 - The faculty members can upload course material and assignments through the Learn online
 - The students can download the materials
 - Some typical features of Learn Online are:
 - Course Syllabus

- Course Materials
 - Assignment submission
 - Discussion forum
 - Files download
 - Grading
 - Online calendar
 - Online news and announcement (College and course level)
- Library Automation
 - Library is fully automated. The students entry, searching of books, issue of books and return are automated OPAC library software.
- e-journals
 - e-journals such as IEEE, Science Direct and J - GATE are subscribed in the library. The faculty members and students can access the journals to improve their research performance.
- Value added Courses
 - Value added courses are regularly conducted in all the departments to increase the employability of the students.
- International Certification Programmes
 - Many International Certification Programmes are conducted by all the departments which help enhance the employability of the students.
- Internet Facility
 - Internet facility is enhanced to satisfy the needs of both faculty members and students.
 - WI-FI facility is also available in the college campus. One can access the internet through their Laptops.
- Biometric Attendance system
 - For maintaining the attendance of the staff members
- MoU Signed with industries
 - The college has signed MoUs with many industries to enhance the employability opportunities. The following are the outcomes:
 - Guest lecture by industry people
 - Value added courses
 - Project to students
 - Placement guidance
- Sponsored Projects
 - The college has received one project from DST.
 - 8 project proposals were submitted to various funding agencies
 - DST sponsored INSPIRE programme was conducted
- Addition of Latest software and equipments is regularly done.
- Dispatching the circulars through e- mails.

7.3 Best Practices

- 7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.

Best Practices – I

1. Title of the Practice

Institutional Automation System (GEIS)

2. Objectives of the Practice

- The aim of this practice is to introduce automation in the administrative system (Office administrative system, Student administrative system & Library administrative system) and the academic activities of the college
- The main aim of the implementation of automation is to reduce the paper works.
- To get / access accurate and precise data

3. The Context

The Institute is having 164 teaching faculty members, 57 non teaching staffs, 2109 UG students and 198 PG students. In this context, the availability of the data and accuracy of the data are highly essential. Attendance monitoring of the staff members and students are very important. Timely availability of academic related data to the staff members and students is the prime need of the institution. The availability of books / journals and other resources reduces the unwanted waste of time. The performance analysis of internal assessment tests and intimation of the test marks to the parents helps to improve the student's performance. The publication of results of the end semester examination on correct time is also reflecting the system quality of the institution.

4. The Practice

The Institutional Automation System has been designed with the objective of storing and providing all necessary information based on the requirement of the Management, Principal, Head of the departments, Class Advisors, Course Tutors, students and the parents. A separate dedicated team of staff members are working for the automation related activities. The system is having the following features:

○ Student Management System

- Student's personal data

The student's profile such as Name, Name of the parents, Date of Birth, Address, Photo etc., will be added during the admission.

- Student's academic performance

The courses registered, the marks scored in the internal assessment tests, assignment marks and the end semester examination result are available.

- **Staff Management System**

- Staff's personal profile

The staff's profile such as Name, Designation, Qualification, Date of Birth, Address, Photo etc., will be added during the admission.

- Staff workload details

The academic workload / time table of all the staff members is available.

- Staff leave particulars

This system can be accessed by the concerned staff member, department Heads, Principal and Director.

- **Examination Management System**

- Internal tests mark entry
- Internal tests mark report
- Internal tests result analysis
- Assignment mark entry
- Internal mark report
- End semester examination mark entry
- End semester examination results

- **Library Management System**

- Books, Magazines and Journals database
- Search for Books, Magazines and Journals
- Access of e-resources
- Book issue / return database
- Stock report

- The higher authorities (Correspondent, Directors and Principal) can access / able to view details of all students in the college
- The Head of the Departments can view details of all students in their department.
- The faculty advisor can view details of all students in the associated class.
- The Faculty members can view details of all students in the class for their respective courses that he/she teaches.

- **Course Management System**

A separate module called “Learn Online” is in practice. It provides a platform for sharing course materials and assignments. It improves the teaching and learning skill. The faculty members can upload course material and assignments through the Learn online. The students can download the materials which are uploaded by their course tutors.

5. Evidence of Success

- By incorporating Institutional Automation System, the accurate data can be accessed by the stakeholders.
- The access levels are ensured by password protection. So appropriate confidentiality of information is maintained.
- All the academic and administrative process become fast and accurate due to Institutional Automation System.
- The autonomus results were declared on time by the use of Institutional Automation System
- The availability of history data about the students (Batch wise) and the staff members is the benefit of the Institutional Automation System.

6. Problems Encountered and Resources Required

- The Automation System is based on the server capacity. Hence the uploading of video based lecture files is to be limited configuration.
- The system is having all the academic records of the students. The other extension activities of the students such as sports, seminar presented / organized etc are in the queue for uploading.

Best Practices – II

1. Title of the Practice

Motivation towards Research and Development

2. Objectives of the Practice

- Motivating the faculty members and student to do research
- Organizing conferences, workshops and seminars to make awareness among Faculty and students about emerging trend in related area.
- Motivate the faculty members to pursue Ph.D. & post Ph.D.
- Make the awareness about various funding scheme of Government and motivate the faculty to prepare good research proposals.
- To encourage the consultancy
- To motivate the faculty & student to publish the research paper in reputed journals and conference.

3. The Context

The faculty members are encouraged to do research; in turn the students are benefitted. By motivating research culture among faculty and students, Teaching-Learning process can take a new dimension. Conceptual teaching of the subject by the faculty members will provide better understanding among the students. Encouraging Faculty to do research will create awareness among the faculty members about recent technological development. This will be reflected in their teaching and the students get benefitted. The researchers address the technological challenges in their respective specialization. As a part of the career development, the faculty members are motivated to register for Ph.D. The increasing number of publications in peer reviewed journals and reputed conferences shows the research culture in the college.

4. The Practice

- A separate administrative setup called “Research and Development Cell” is functioning in the college to promote research activities.
- Seminars / workshops by eminent researchers are regularly organized to explore the research culture in the college
- The faculty members are encouraged and sponsored to attend summer & winter schools, workshops and conferences.
- Research facilities such as computers, internet facility and journal access facility are provided to the faculty members for doing their research activity
- The experts from research organizations are invited for the staff interaction with the faculty members to make awareness about the various possibilities available to do good research work.

- Eminent professors from IIT, NIT are invited to give key note address and invited talk in conferences, seminars and workshop.
- Faculty members are motivated to pursue Ph.D.
- Faculty members are encouraged to send research proposals for various funding agencies
- The faculty members and students are encouraged to publish paper in peer reviewed journals and reputed conferences.
- On duty leave is given to the faculty members and students for presenting paper in conferences.

5. Evidence of Success

- 17 faculty members are having Ph.D qualification and 21 are pursuing Ph.D
- One DST Fast Track project titled “Synthesis and Characterisation of rare earth doped lanthanum and gadolinium oxide nanoparticles for luminescence applications” for Rs. 17,00,000/ was received
- Eight project proposals were submitted to various funding agencies
- Three student projects were funded by Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
- Thirteen student project proposals were submitted to TNSCST, Chennai in this academic year.
- The Department of Computer Science and Engineering is a recognized research centre of Anna University, Chennai.
- Ten Faculty members are recognized as Research Supervisor by Anna University, Chennai.
- Ten Faculty members are having guideship in other universities
- Totally 139 papers published by the faculty members in peer reviewed journals
- 319 papers were presented by the faculty members in reputed conferences.

6. Problems Encountered and Resources Required

- Most of the faculty members are pursuing part time Ph.D programmes.
- Research facilities have just been created. More funds are necessary to develop a research oriented laboratory.
- Research culture has just started. It needs gain full momentum. More awareness about funding agencies to be created and more research proposals need to be sent.
- Available senior faculty members with research experience to devote more time to achieve the above.

7. Future Plans

- To get research centre reorganization from Anna University, Chennai.
- More funded projects

D. Evaluative Report of the Department Department of Civil Engineering

1. Name of the Department & its year of establishment

Name of the department : **Department of Civil Engineering**

Year of establishment : **2009**

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Names of Programmes / Courses offered	Description
B.E -CIVIL ENGINEERING	- Started with 60 seats in 2009 - Enhanced to 120 in the year 2013
M.E - STRUCTURAL ENGINEERING	Started with 18 seats in 2012

3. Interdisciplinary courses and departments involved

S.No	Name of the course	Name of the department	Semester
1.	Computing fundamentals and 'C' programming	CSE	I
2.	Computer Practice Laboratory - I	CSE	I
3.	Computer Practice Laboratory - II	CSE	II
4.	Electrical Engineering Laboratory	EEE	III
5.	Principles of Management	MBA	VI
6.	Total Quality Management	MBA	VII(Elective)
7.	Engineering Economics and Cost Analysis	MBA	VIII

4. Annual/ semester/choice based credit system

Semester based credit system

5. Participation of the department in the courses offered by other departments

S.No	Name of the course	Name of the department	Semester
1	Engineering Graphics	BT, CSE, Civil, ECE, EEE & IT	I
2	Basic Civil and Mechanical Engineering	CSE, ECE, EEE & IT	II

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	1	1
Associate Professors	2	2
Asst. Professors	12	12

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.)

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guiding
1.	Dr. S.Robert Ravi	Ph.D	Professor	Civil Engg	21	6
2.	Mr. S. Dharmar	M.E(Ph.D)	Associate Prof	Computer Aided Structural Engg	25	Nil
3.	Mrs. R. Banupriya	M.E(Ph.D)	Associate Prof	Computer methods & application in Structural Engg	5	Nil
4.	Mr. M.Senthil Ram	M.E	Asst. Prof	Structural Engg	4	Nil
5.	Mr. A. S. Jeyabharathy	M. Tech(Ph.D)	Asst. Prof	Structural Engg	4	Nil
6.	Mr. P. Kumar	M.E(Ph.D)	Asst. Prof	Infra Structure Engg	2	Nil
7.	Mr. V. Karthik Raja	M.B.A	Asst. Prof	Operation & Marketing	3	Nil
8.	Mr. M. Suresh	M.E	Asst. Prof	Structural Engineering	2	Nil
9.	Mr. S. KarthikRagunath	M.E	Asst. Prof	Construction Engineering and Management	3	Nil
10.	Mr. K. Parthasarathi	M.E	Asst. Prof	Structural Engineering	1	Nil
11.	Mr. L.Arun Raja	M.E	Asst. Prof	Structural Engineering	1	Nil
12.	Mr. M. Sathyanarayanan	M.E	Asst. Prof	Structural Engineering	1	Nil
13.	Mr. M. Ariramachandran	M.E	Asst. Prof	Structural Engineering	1	Nil
14.	Ms. K. Shanthi	M.E	Asst. Prof	Environmental Engineering	1	Nil
15.	Ms. G. Angalaeswari	M.E	Asst. Prof	Structural Engineering	1	Nil

8. Percentage of classes taken by temporary faculty – programme-wise information

Nil

9. Programme-wise Student Teacher Ratio

S.NO	Programme	Student Teacher Ratio
1	B.E- CIVIL ENGINEERING	15:1
2	M.E -STRUCTURAL ENGINEERING	9:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technician	2	2
Office Assistant	1	1

S.No	Name of the Support Staff	Qualification	Designation	Laboratory	No. of Years of Experience
1.	Mr. Ajaykumar. M	D.C.E	Lab Technician	CIVIL	6
2.	SenthilKumar.M	D.C.T.	Lab Technician		9
3.	Siva.M	IX STD	Office Assistant		3

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

- Ongoing projects: Nil
- Submitted project proposals: Nil

13. Research facility / centre with

- state recognition-Nil
- national recognition –Nil
- international recognition -Nil

14. Publications:

- * number of papers published in peer reviewed journals (national / international)-10

S.No	Journal	Impact Factor
	International	
1	Jeyabharathy.A.S and Robert Ravi.S, “Experimental Investigation on RCC beam retrofitted with Jute fibre sheet”, International Journal of Innovative Research Science in Engineering and Technology, Vol-2, Issue-7, July 2013.	1.672

2	Robert Ravi.S , “Finite element modeling of reinforced concrete beam column joints retrofitted with carbon fiber reinforced polymer wrap”, International Journal of Res Engineeria, 2011, Vol. 1, Issue 1, pp 27-30.	
3	Robert Ravi.S and A.S.Jeyabharathy , “Finite element modeling of reinforced concrete beam column joints retrofitted with GFRP wrapping”, International Journal of Civil Engineering and Technology (IJCIET, ISSN 0976 - 6308) 2011, Vol.2, No.1, pp 36-40.	
4	Robert Ravi.S , “Experimental investigation on the behavior of retrofitted reinforced concrete beam-column joints with CFRP subjected to Load reversal”, International Journal of Applied Engineering and Research (IJAER , ISSN 0973-4562)Vol.5, No.1(2010) pp 109-120.	-
5	Robert Ravi.S , “Experimental investigation on the behavior of retrofitted reinforced concrete beam-column joints with GFRP subjected to Load reversal”, International Journal of Earth science and Engineering (IJEE , ISSN 0974-5904)Vol.3, No.2(2010) pp 289-300.	-
6	Robert Ravi.S , “Experimental Investigation on the behavior of retrofitted reinforced concrete beam-column joints with sisal fiber wrap subjected to Load reversal”, International Journal of Applied Engineering and Research(IJAER , ISSN 0973-4562)Vol.5, No.8 (2010) pp1393-1401.	-
7	Robert Ravi.S , “Experimental Investigation on the behavior of retrofitted reinforced concrete beam-column joints with GFRP-CFRP hybrid fiber wrap subjected to Load reversal”, International Journal of Mechanics and Solids (IJMS, ISSN 0973-1881) Vol.5, No.1(2010), pp. 61-69.	-
8	Robert Ravi.S , “Experimental Investigation on the behavior of retrofitted reinforced concrete beam-column joints with AFRP wrap subjected to Load reversal, International Journal of Emerging Technology and Applications in Engineering Technology and science.(I-ETA-ETS, ISSN 0974-3562) July’10-December’10, Vol.3, Issue 2 , pp. 52-57.	-
9	Robert Ravi.S , “Experimental Investigation on the behavior of retrofitted reinforced concrete beam-column joints with GFRP-AFRP hybrid wrapping”. International Journal Civil and Structural Engineering (IJCSE, ISSN 0976-4399) Vol.1, No.2 (2010), pp.245-253.	-
10	Robert Ravi.S , “Finite element modeling on behavior of retrofitted reinforced concrete beam-column joints with CFRP wrapping”, International Journal Civil and Structural Engineering (IJCSE, ISSN 0976-4399) Vol.1, No.3 (2010), pp.576- 582.	-

*** number of papers presented in conferences (national / international) - 26**

1. **Jeyabharathy.A.S and Robert Ravi.S**, “Experimental Investigation on RCC beam retrofitted with Jute fibre sheet”, International Conference on Current Trends in Engineering & Technology-ICCTET’13 in Akshaya College of Engineering and Technology, Coimbatore, July 3, 2013.

2. **Sathyanarayanan.M**, Mohana.R and Nagan.S, ‘Effect of elevated temperature on Impact resistance of geopolymerferrocement’, National Conference on Recent Innovation in Civil Engineering (RICE 2013), A.C.College of Engineering and Technology, Karaikudi, 03rd May 2013.
3. **Arunraja.L** and Balaji.C.D.R, “Flexural behavior of concrete by partially replacing the aggregate with e-plastic waste”, National Conference on Recent Trends in Civil engineering-NCRTC-2K13, Dr.SivanthiAthithanarCollege of Engineering, Thiruchendur, 4th May 2013.
4. **Shanthi.K** and Sekar.A.S.S, “Remediation of heavy metal contaminated soil using cowslurry”, National Conference on Recent Innovation in Civil Engineering (RICE 2013), A.C.College of Engineering and Technology, Karaikudi, 03rd May 2013.
5. **Ariramachandran.M**, and Arul Mary.S, “Flexural behavior of cold formed steel elements”, National Conference on Recent Innovation in Civil Engineering (RICE 2013), A.C.College of Engineering and Technology, Karaikudi, 03rd May 2013.
6. **Dharmar.S** and Palanichamy. M.S, “Response of multi bay, multi storey RC frame with reinforced brick masonry infill under cyclic lateral loading”, International Conference on Futuristic Innovations & Development in Civil Engineering” (ICFiDce 2013) in MepcoShlenk Engineering College, Sivakasi, April 18 – 20, 2013.
7. **Sathyanarayanan.M**, Mohana.R and Nagan.S, “Effect of concentration of alkaline liquid and Curing time on Strength and Durability of Geopolymer mortar”, International Conference on Futuristic Innovations & Development in Civil Engineering” (ICFiDce 2013) in MepcoShlenk Engineering College, Sivakasi, April 18 – 20, 2013.
8. **Sathyanarayanan.M**, Mohana.R and Nagan.S, ‘Fire resistance of Geopolymerferrocement’, National Conference on Research Congress in Civil Engineering, Government College of Technology, Coimbatore, 17th April 2013.
9. **Sathyanarayanan.M**, Mohana.R and Nagan.S, ‘Effect of Alkali Concentration on fire resisting behavior of geopolymer mortar’, National conference “ENTROIDOS 2013”, Kamaraj College of Engineering and Technology, Virudhunagar, 16th and 17th April 2013.
10. **Ariramachandran.M**, and Arul Mary.S, “Behavior of cold formed steel elements”, National conference “ENTROIDOS 2013”, Kamaraj College of Engineering and Technology, Virudhunagar, 16th and 17th April 2013.
11. **Shanthi.K** and Sekar.A.S.S, “Reduction of residual chlorine concentration from drinking water by sugarcane baggase”, National Conference on Recent advancements in Geotechnical Engineering, Government college of Technology, Coimbatore, 26th April 2013.

12. **Kumar.P,**” Experimental Investigation on Self Compacting Concrete”, “National Conference in Recent Advancements In Civil Engineering-RACE’13”, P.S.R. Engineering College, Sivakasi, 26th April 2013.
13. **Kumar.P** and Ramesh. “Study on fracture parameters in plain cement concrete”, National Symposium for PG students in Civil Engineering”, PSG college of technology, Coimbatore, 29th April 2011.
14. **Parthasarathi. K** and Hemalatha.G,” Study on behavior of beam retrofitted with glass fibre”, NTSNCCE’13, Maria College of Engineering and Technology, Marthandam, 10th April 2013.
15. **Angalaeswari.G** and Prabavathy.S,”Analytical study on hollow double skin steel concrete columns in-filled with SSC subjected to axial compression”,International Conference on Futuristic Innovations & Development in Civil Engineering” (ICFiDce 2013) in MepcoShlenk Engineering College, Sivakasi, April 18 – 20, 2013.
16. **Angalaeswari.G** and Prabavathy.S, “Numerical Study on hollow double skin concrete composite column infilled with SCC subjected to axial compression using ABAQUS”, National Conference on Recent Trends in Civil engineering-NCRTC-2K13, Erode Sengunthar Engineering College, Erode, 26th April 2013.
17. **Arunraja.L** and Balaji.C.D.R, “Flexural behavior of concrete by partially replacing fine aggregate with e-plastic waste”, National Conference on Recent Trends in Civil engineering-NCRTC-2K13, Erode Sengunthar Engineering College, Erode, 26th April 2013.
18. **Robert Ravi.S,** “Finite element modeling on the reinforced concrete beam column joints retrofitted with Aramid FRP sheets, Proceedings of the National conference on Recent Advances in Civil Engineering Research, 26th January 2011., KarpagamUniversity,Coimbatore.
19. **Robert Ravi.S,** “Finite element modeling on the reinforced concrete beam column joints retrofitted with Aramid FRP sheets, Proceedings of the National conference on Earthquake and Structural Engineering , NCESE - 2011, on 15th &16th Sep’ 2011., V.L.B.Janakiammmal College of Engg& Tech. , Coimbatore.
20. **Robert Ravi.S,** “Finite Element Modeling of Reinforced Concrete Beam Column Joints Retrofitted with Aramid Fiber Reinforced Polymer Sheets. Proceedings of International Conference on Adaptive Technologies for Sustainable Growth (ICATS-2011) pp 7-10 , 16th-18th July 2011@ Paavai Engineering College, Nammakal.
21. **Robert Ravi.S,** “Effect of anchorage length on performance of reinforced concrete beam-column joints-Proceedings of the International conference on advances in materials and technology, 7th -9th Jan 2010 V.L.B. Janakiammmal College of Engg & Tech., Coimbatore.

22. **Robert Ravi.S**, “Finite element modeling on the behavior of reinforced concrete beam-column joint retrofitted with GFRP wrapping - Proceedings of the national conference on innovations in civil engineering, 20th April, 2010., Kumaraguru College of Tech., Coimbatore.
23. **Robert Ravi.S**, “Finite element modeling on the behavior of retrofitted reinforced concrete beam column joints Proceedings of the National conference on Advancements in concrete Technology, 23rd &24th September,2010., K.S.R College of Tech., Tiruchengode.
24. **Jeyabharathy.A.S and Robert Ravi.S**, “Finite Element Modelling On The Behaviour Of RCC Retrofitted Beam-Column Joints With GFRP Wrap” in National seminar on Innovation in civil engineering at Kumaraguru College of Technology, Coimbatore-20th April- 2010.
25. **Jeyabharathy.A.S and Robert Ravi.S**.”Experimental Investigation OnBehaviorof R.C.C Beam Retrofitted with Banana Fibre Sheet”, National Conference Current Trend on civil engineering, Karunya University.
26. **Jeyabharathy. A. S**, “Finite element modeling on the behavior of retrofitted reinforced concrete beam column joints Proceedings of the National conference on Advancements in concrete Technology, 23rd &24th September,2010., K.S.R College of Tech., Tiruchengode.

- * Monographs
- * Chapter(s) in Books
- * Editing Books
- * Books with ISBN numbers with details of publishers
- * number listed in InternationalDatabase(For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

S.No	Name of the Faculty	International Database	Impact factor
1	Dr.S. Robert Ravi	Google Scholar-3	1.672
2	A.S.Jeyabharathy	Google Scholar-3	1.672

- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact factor – range / average

15. Details of patents and income generated

Nil

16. Areas of consultancy and income generated

S.No	Areas of consultancy			Income generated (Rs)
1	Concrete laboratory-Cube Compression Test		Date	
	a	The Arm Contracts, Idaiyangudi	03/08/2013	600
	b	Sattur Municipality	24/09/2013	750
	c	Sattur Municipality	24/10/2013	750
	d	Sattur Municipality	27/11/2013	750
	e	Sattur Municipality	05/02/2014	750
2	Concrete laboratory - Steel tensile Test		Date	
	a	Steel tensile strength-Sattur Municipality	22/08/2013	1500
3	Soil Mechanics Laboratory			
	a	Hotel Sparkle inn, Sivakasi • Direct Shear test • Safe Bearing Capacity • Standard Penetration Test	03/02/2014	5000
			Total	10100/-

17. Faculty recharging strategies

- Organizing Faculty Development Programs, Workshops, Seminars and Conferences
- Motivate the faculty to attend Faculty Development Programs and Workshops

S.No	Strategy	Venue	Date	Faculty attended
1.	“Faculty Empowerment Programme” on Personality Development by Mr.Ashok Kumar	P.S.R. Engineering College, Sivakasi	10/06/2013-15/06/2013	1. M.Sathyanarayanan 2. M.Suresh 3. L.Arunraja 4. K.Parthasarathi 5. K.Shanthi 6. M.Ariramachandran 7. G.Angalaeswari 8. S. KarthikRagunath
2.	Faculty Development Programme on “ Soil Mechanics”	MepcoShlenk Engineering College, Sivakasi	16/12/2013-22/12/2013	Ms.K.Shanthi

3.	Faculty Development Training Program me on GE 6253- Engineering Mechanics	National Engineering College, Kovilpatti.	16/12/2013-22/12/2013	Mr.M.Sathyanarayanan

- Motivate the faculty to present Paper in Conferences

S.NO	Name	No. of Publications
1	Dr.S.Robert Ravi	9
2	Mr.S.Dharmar	1
3	Mr. A. S. Jeyabharathy	4
4	Mr. P. Kumar	2
5	Mr. K. Parthasarathi	1
6	Mr. L.Arun Raja	2
7	Mr. M. Sathyanarayanan	4
8	Mr. M. Ariramachandran	2
9	Ms. K. Shanthi	2
10	Ms. G. Angalaeswari	2

*List of Publications are enclosed in Point No. 14

- Organizing guest lectures

S.No	Title of the programme	Resource Person	Date
1	“Steel concrete composite structures”	Dr. K. Baskar, NIT Tiruchy	10/08/2012
2	“Developing Skills”	Er.N.Sivaraman, L&T, Chennai	28/07/2012.

- Organizing counseling programmes

S.No	Title of the programme	Speakers	Date
1	TOT- Training on Teachers	Mr.Jegan & Mr.Arun Varumai Foundations, Madurai	28/09/2013

18. Student projects

- percentage of students who have done in-house projects including inter-departmental

- percentage of students doing projects in collaboration with industries / institutes

S.No	Academic Year		percentage of in-house projects	percentage of industrial projects
1	2013/14	UG	100	0
		PG	78	22
2	2012-13		100	0

19. Awards / recognitions received at the national and international level by

- Faculty:

S. No.	Faculty Name	Organization	AWARD	Date
1	Dr. S. Robert Ravi	“Global Society for Health & Educational Growth” New Delhi.	“Bharat ShikshaRatan Award”- For Excellence in chosen field of activity.	03/09/2012

S.No	Name of the faculty	Awards / recognitions	National / International
1	Dr.S.Robert Ravi	Reviewer: - International Journal of Applied Engineering and Research(IJAER) - International Journal of Earth science and Engineering (IJEE) - International Journal of Innovative research, engineering and technology (IJIRSET)	International
2	Dr.S.Robert Ravi	Recognized Research Supervisor – Anna University wide reg.no: 1102099 effects from 26.04.2011 Karunya University wide no.KU/D(R)/REG/11/342 dt.05.12.2011 Karpagam University wide no.R/EN/A5/E01/2011/113	State

- Doctoral / post-doctoral fellows : Nil
- Students

Cleared “Business English Certificate” course with good grades.

S.No	Name of the Student	Year	Level	Grade
1	S. Amutha	2012-2016	Preliminary	A ₂

2	B. Indhuja	2012-2016	Preliminary	A ₂
3	M. Rinisha Kartheeswari	2012-2016	Preliminary	B ₁
4	S. Santhiya	2012-2016	Preliminary	A ₂
5	C. Shakthi Ananthi	2012-2016	Preliminary	B ₁
6	V. Swetha Lakshmi	2012-2016	Preliminary	A ₂

- University Rank holders

S.No	Student Name	Year	Rank
1	Nithish Bharath	2009-2013	39
2	Srinivasan	2009-2013	45

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No	Title of the programme	Source of Funding	Nature of programme	Date	No. of participants	outstanding participants
1.	Construction safety Management	Department Association	State level workshop	08/08/2013	352	D.Ambika, Kongu Engineering College,Erode. Dr. S. Anand Kumar Kongu Engineering College,Erode.
2.	Total Station & GPS	Department Association	Workshop	24/01/2013	320	Dr. Prince Arul Raj, Dean, Civil Engineering, S.N.S. College of Technology, Coimbatore. Mr.Anand. M.E., Assistant Professor, Karunya University, Coimbatore.

3.	Recent Advancement in Civil Engineering- RACE'13	Department Association	National conference	26/04/2013	25	-
4.	Developing Skills	Department Association	Guest Lecture	28/07/2012	124	Er.N.Sivaraman, L&T, Chennai.
5.	Steel concrete composite structures	Department Association	Guest Lecture	10/08/2012	112	Dr. K. Baskar, NIT Tiruchy.

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Academic year	Selected		Pass percentage	
			Male	Female	Male	Female
B.E-CIVIL ENGINEERING	-	2012-2013	48	13	79.17	92.31

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.E – Civil Engineering	Nil	100	Nil	Nil
M.E – Structural Engineering	Nil	96	4	Nil

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Nil

24. Student progression

Student progression	Percentage against enrolled (2012-2013)
UG to PG	15
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	Nil
• Other than campus recruitment	36
Entrepreneurs	6

25. Diversity of staff

Percentage of faculty who are graduates	UG	PG	Ph.D
of the same parent university	60	47	0
from other universities within the State	40	53	100
from other universities from other States	0	0	0

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Nil

27. Present details about infrastructural facilities

a) Library (Department)

- Area: 4.5m x 6m
- Number of Titles: 128
- Number of Books: 1440
- Daily News Paper: 01

b) Internet facilities for staff and students

- For staff: Computers are provided in faculty rooms. LAN and WIFI facilities are available in all faculty rooms.
- For Students: Internet facilities are provided in CAD laboratory in the department. A common computer center is also providing internet facility. WIFI facility is also provided to all the students.

c) Total number of class rooms: 08

d) Class rooms with ICT facility: 01 (Seminar Hall)

e) Students' laboratories: 07

f) Research laboratories: Nil

28. Number of students of the department getting financial assistance from College. - 6

S.No	Name of the Student	Year	Mode of Concession
1	K.Rajeswari	2013-2017	Free Transport
2	P.Nivas	2012-2016	Free Transport
3	P.Mathavan	2012-2016	Free Transport
4	G.Selvakumar	2012-2016	Free Transport
5	K.Priyanka	2012-2016	Tuition Fees
6	B.Kavitha	2011-2015	Tuition Fees

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- Demand of the programme is taken as base
- Feedbacks from Senior Faculty Members of the Department, Academic Experts, Industrial Experts and Alumni Members.
- Suggestions from Board of management

30. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
 - Yes. The suggestions are obtained from the faculty members based on their specialization and expertise.
 - students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
 - Yes. Every semester feedbacks are collected from the students for each and every faculty member. Based on their evaluation the scores are given to the respective staff members to improve their performance.
 - alumni and employers on the programmes and what is the response of the department to the same?
 - Yes. Every year feedbacks from the alumni's are collected and the steps are taken to improve the quality of programmes.
31. List the distinguished alumni of the department (maximum 10)

S.No	Name of the Alumni	Batch	Organization	Position
1.	N. Arunachalam	2009-2013	Rancom Engineering Private Limited, Chennai.	Project Engineer
2.	S. Ganesh Kumar	2009-2013	Indian Homes, Chennai.	Interior Design Engineer
3.	M.Kalaiarasan	2009-2013	Indian Homes, Chennai.	Interior Design Engineer
4.	K.Kaliraj	2009-2013	Ganesan Builders, Chennai.	Site Engineer
5.	B.Karthik	2009-2013	Subramaniya construction, Thada, Andhra pradesh.	Site Engineer
6.	M.Karthikkumar	2009-2013	Subramaniya Construction, Chennai.	Site Engineer
7.	M.KaruppiahRajamani	2009-2013	SasthraPolytechnique, Chennai	Lecturer
8.	N.NaveenPerumal	2009-2013	Ganesan Builders, Chennai.	Site Engineer
9.	J.Vijayarahavan	2009-2013	HFCL, Chennai	Quality Control Engineer
10.	V.Seenivasan	2009-2013	SVCET, Puliyangudi.	Lecturer

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

S.No	Title of the programme	Resource Person	Date
Workshop			
1.	Construction safety Management	1. Dr. S. Anand Kumar Kongu Engineering College, Erode. 2. D.Ambika, Kongu Engineering College, Erode.	08/08/2013
2.	Total Station & GPS	1. Dr. Prince Arul Raj, Dean, Civil Engineering, S.N.S. College of Technology, Coimbatore. 2. Mr.Anand. M.E., Assistant Professor, Karunya University, Coimbatore.	24/01/2013
Guest Lecture			
1.	Developing Skills	Er.N.Sivaraman, L&T	28/07/2012
2.	Steel concrete composite structures	Dr. K. Baskar, NIT Tiruchy	10/08/2012
Seminar / Conference			
1.	“Recent Advancement in Civil Engineering- RACE’14”	--	21/03/2014
2.	“Recent Advancement in Civil Engineering- RACE’13”	--	26/04/2013

33. List the teaching methods adopted by the faculty for different programmes.

S.No	Programmes	Teaching Method
1	B.E-Civil Engineering	1. Black Board. 2. LCD projector. 3. OHP. 4. Mini-Project for final year students. 5. Tutorials 6. Life time case study. 7. In-plant training. 8. Guest lectures.

		9. Through Learn on line - Moodle is in use to perform various activities like group assignments / group projects and to share the materials.
2	M.E-Structural Engineering	1. Black Board 2. LCD projector 3. OHP 4. In-plant training. 5. Guest lectures. 6. Demonstration. 7. Projects 8. Group discussion 9. Through Learn on line - Moodle is in use to perform various activities like group assignments / group projects and to share the materials.

e-content through national and international portals such as:

- NPTEL <http://nptel.iitm.ac.in>
- MIT Open Courseware <http://ocw.mit.edu/index.htm>

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Bi-weekly test for all the theory courses is conducted by the department.
- Project review committee constituted for each programme and a set of four reviews conducted for the full semester projects.
- Internal academic auditing was done to monitor the quality of the programme.
- Continuous assessment with 25% of marks for internals helps to ensure the learning.
- Periodical tutorials were conducted to increase the capability of students.
- The performance is analyzed in the class committee meeting. The class committee is constituted by the regulations of the Anna University. The class committee is having the following members:
 - A senior faculty member as chair person,
 - Student members (selective students from top, middle and bottom level),
 - Subjects handling staff,
 - Class advisors
- The difficulties faced by the student and staff are discussed in the class committee and the same is forwarded to Head of the Department and Principal for necessary action.

- For project work, regular reviews (3 Nos.) are conducted by the department.
35. Highlight the participation of students and faculty in extension activities.

- Students:

- Students are encouraged to become member of various organizations.

Institutions	No. of students
ISTE Membership	180
ICI Membership	32

- Participation in inter and intra college symposiums, paper presentations.

S.No	Name of the student	year of study	Event name	Organization	Date
1	T.Selvamuthumani	2010-2014	National Level Symposium “CLAIRVOYANCE’13	Infant Jesus College of Engineering & technology, Tirunelveli.	12/03/2013
2	R.Sudhakar	2010-2014	National Level Symposium “CLAIRVOYANCE’13	Infant Jesus College of Engineering & technology, Tirunelveli.	12/03/2013
3	G.Sridevi	2010-2014	National Level Symposium “CLAIRVOYANCE’13	Infant Jesus College of Engineering & technology, Tirunelveli.	12/03/2013
4	K. Ajeetha	2010-2014	National Level Symposium “CLAIRVOYANCE’13	Infant Jesus College of Engineering & technology, Tirunelveli.	12/03/2013
5	G.Sridevi	2010-2014	National Level Symposium “BONE 2K13”	Raja College of Engineering and Technology, Madurai.	14/03/2013
6	K. Ajeetha	2010-2014	National Level Symposium “BONE 2K13”	Raja College of Engineering and Technology, Madurai.	14/03/2013
7	K.Ajeetha	2010-2014	Student Symposium	MepcoSchlenk Engineering College, Sivakasi	28/08/2013

8	G.Sridevi	2010-2014	Student Symposium	MepcoSchlenk Engineering College,Sivakasi	28/08/2013
9	S. Pandilakshmi	2010-2014	National Level Symposium “ASTHIVAAR 2013”	Kalasalaingam University, Krishnankovil.	05/10/2013
10	A. Poonkuzhali	2010-2014	National Level Symposium “ASTHIVAAR 2013”	Kalasalaingam University, Krishnankovil.	05/10/2013

○ Participation in blood donation camp

S.No	Name	Year	Blood Camp	Venue	Date
1	Rajadurai.K	2011-2015	Blood Donation Camp for Chief Minister's Birthday	Tamukkam Ground, Madurai	14/02/2014
2	Manimaran.K	2011-2015	Blood Donation Camp for Chief Minister's Birthday	Tamukkam Ground, Madurai	14/02/2014
3	Vinodhkumar.M	2011-2015	Blood Donation Camp for Chief Minister's Birthday	Tamukkam Ground, Madurai	14/02/2014
4	Jeyaganesh.A	2011-2015	Blood Donation Camp for Chief Minister's Birthday	Tamukkam Ground, Madurai	14/02/2014
5	Prabhakar.K	2011-2015	Blood Donation Camp for Chief Minister's Birthday	Tamukkam Ground, Madurai	14/02/2014
6	Marikani.P	2011-2015	Blood Donation Camp for Chief Minister's Birthday	Tamukkam Ground, Madurai	14/02/2014

● Faculty:

- Present technical papers in international/national conferences / seminars

List given in Question No: 14

- Publish technical papers in reputed journals

List given in Question No: 14

- Conducting the faculty development programs
- Delivering lecture in faculty development programs

S.No	Name of the faculty	Title of FDP	Organized by	Date
1	Dr. S. Robert Ravi	Slope Deflection method and Moment distribution method	JansonsInstitute of Technology, Coimbatore	17.06.2013

- Taking responsibilities on administrative activities in college.

S.No	Name of the Faculty	Administrative Responsibilities
1	Dr. S.Robert Ravi	• Head of the Civil Engineering department • Member-Board of Studies • Result Passing board • Chairman-Central Valuation for Civil
2	Mr.P.Kumar	• ISTE Staff Coordinant
3	Mr.S.Dharmar	• Estate Officer
4	Mr.A.S.Jeyabharathy	• Estate Officer
5	Mrs.R.Banupriya	• Civil Engineering Association-Staff Coordinant
5	Mr.M.Sathyanarayanan	• Parents Teachers Association-Department Coordinant

- Members of various Institutions

Institutions	No. of Faculties
IE Membership	2
ICI Membership	4

36. Give details of “beyond syllabus scholarly activities” of the department.

- Regular industrial visits
- In-plant training by students during semester holidays
- Regular guest lecture by industrial experts
- Encouraging the students to participate project contest, paper presentation etc.,

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- Yes. certified with **ISO 9001:2008** by **Germanischer Lloyd**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength	1. Conducting Seminars/ workshops frequently 2. Qualified and dedicated faculties. 3. University Rank holders 4. Very Good result. 5. Adequate laboratory facilities

Weaknesses	1. Lack of communication skill among students 2. Consultancy work to be improved. 3. Lack of Inter-disciplinary projects 4. Lack of adequate industry institute interaction 5. Rural background of the students.
Opportunities	1. Participation of students in extracurricular activities 2. Chance of becoming entrepreneur for students. 3. Can increase the consultant work. 4. Chance of getting fund from external agencies. 5. Can increase the student's intake due to the current industrial demand.
Challenges	1. Students with diverse background. 2. Making a successful civil engineer. 3. Assistance for research works. 4. Adaptation for the changing technology. 5. Funded projects.

39. Future plans of the department.

1. Interaction with industries,
2. To introduce new PG course on “ Construction Management”
3. To offer best consultancy services.
4. To make the department as research centre.
5. Motivate the faculty to receive funds from external agencies.
6. To start “ECO CLUB” to enhance environmental awareness among students by various activities.

Department of Computer Science and Engineering

1. Name of the Department & its year of establishment

Name of the Department : **Department of Computer Science and Engineering**

Year of Establishment : **1999**

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Names of Programmes / Courses offered	Description
B.E. COMPUTER SCIENCE AND ENGINEERING	Started with 60 seats in 1999 Increased to 90 in the year 2007 Enhanced to 120 in the year 2013
M.E. COMPUTER SCIENCE AND ENGINEERING	Started with 18 seats in 2009
Ph.D., COMPUTER SCIENCE AND ENGINEERING	Recognized as Research Centre to pursue PhD., in the year 2010 .

3. Interdisciplinary courses and departments involved

S.No	Name of the Course	Name of the Department	Semester
1.	Engineering Graphics	Mechanical Engg.	I
2.	Engineering Practices Laboratory	Mechanical Engg.	I
3.	Electric Circuits and Electron Devices	ECE	II
4.	Electrical Circuits Laboratory	ECE	II
5.	Analog and Digital Communication	ECE	III
6.	Digital Lab	ECE	III
7.	Microprocessors & Microcontrollers	ECE	IV
8.	Microprocessors Lab	ECE	IV
10.	Numerical Methods	MATHS	VI(Elective)
9.	Digital Signal Processing	ECE	VII

4. Annual/ semester/choice based credit system:

Semester based credit system

5. Participation of the department in the courses offered by other departments

S.No	Name of the Course	Name of the Department	Semester
1.	Fundamentals of Computing and Computer Programming	ECE, CIVIL, MECH, EEE	I
2.	Computer Practice Laboratory -I	ECE, CIVIL, MECH, EEE	I
3.	Computer Practice Laboratory -II	ECE, CIVIL, MECH, EEE	II

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professors	02	02
Associate Professors	01	01
Asst. Professors	22	22

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr.K.Ruba Soundar	M.E., Ph.D.,	Professor & Head	CSE	27	10
Dr.K.Vimala Devi	M.E., Ph.D.,	Professor	ICE	15	9
Mrs.V.Anusuya	M.E., (Ph.D)	Associate Professor	ICE	13	
Mr.R.Palanikumar	M.Tech., (Ph.D)	Asst Professor	ICE	10	
Mr.P.Srinivasa Ragavan	M.E., (Ph.D)	Asst Professor	ICE	10	
Mrs.R.Ramani	M.E.	Asst Professor	CSE	6	
Mrs. S.Priyadarsini	M.E., (Ph.D)	Asst Professor	ICE	6	
Mr.S.Singaravelan	M.E., (Ph.D)	Asst Professor	CSE	7	
Mr.D.Arun Shunmugam	M.E.	Asst Professor	CCE	4	
Mr.R.Sundar	MIT	Asst Professor	SE	4	
Mr.S.Edwin Raja	M.Tech., (Ph.D)	Asst Professor	N/W	3	

Mr.K.Selvamurugan	M.E.	Asst Professor	CCE	8	
Mr.V.Selvakumar	M.E.	Asst Professor	CSE	7	
Ms.V.Roobavathi	M.E.	Asst Professor	CSE	2	
Ms . S.Santhi	M.E.	Asst Professor	CSE	2	
Mr.C.Rajkannan	M.E.	Asst Professor	CSE	1	
Ms.M.Bhanu Priya	M.E.	Asst Professor	CSE	1	
Mrs.N.Krishnaveni	M.E., (Ph.D).	Asst Professor	CSE	2	
Mrs.M.Piramu	M.E.	Asst Professor	CSE	2	
Mrs. N.Gayathri	M.Tech.	Asst Professor	IT	6	
Mrs.A.Subbulakshmi	M.E.	Asst Professor	CSE	2	
Mrs.D.Thamaraiselvi	M.E.	Asst Professor	CSE	2	
Miss.J.Hemalatha	M.E.	Asst Professor	CSE	8	
Ms.R.Sujitha	M.E.	Asst Professor	CC	8	
Mrs.V.Brindha	M.E.	Asst Professor	CSE	8	

8. Percentage of classes taken by temporary faculty – programme-wise information

NIL

9. Programme-wise Student Teacher Ratio

S.NO	Programme	Student Teacher Ratio
1	B.E. COMPUTER SCIENCE AND ENGINEERING	13:1
2	M.E. COMPUTER SCIENCE AND ENGINEERING	9:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technician	4	4
Office Assistant	1	1

Sl. No.	Laboratory	Name of the staff	Designation	Qualification	No. of Years of Experience
1	Server	N.Manikandan	System Admin	B.SC(CS),CCNA	8 years 6 months
2	Tera I &II	J.Amutha	Lab Technician	D.CE	2 years 4 months
3	Tera III & IV	S.Mariselvam	Lab Technician	D.ECE	1 years 8 months
4	Language Lab	A.Veerappan	Lab Technician	D.C.TECH	10 months
5.	Department Office	V.Govindan	OA	HSC	11 months

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

Sl. No.	Project duration	Description	Funding Agency	Fund
1	2007-2008	Student Project	TNSCST	Rs. 6000
2	2010-2011		TNSCST	Rs.6000
3	2010-2011	National Conference	DRDO	Rs. 25,000
4	2011-2012		DRDO	Rs.25,000
5.	2012-2013		DRDO	Rs.25,000

13. Research facility / centre with

State recognition: Our Department has recognized as Research Centre of Anna university to pursue Ph.D., in the year **2010**.

14. Publications:

* Number of papers published in peer reviewed journals (national / international) :

National: 4 International: 17

1. **Singaravelan S** “Combined Cluster Based Ranking for Web Document Using Semantic Similarity” Published by IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p- ISSN: 2278-8727 Volume 16, Issue 1, Ver. IV, PP 06-11- January 2014.

2. S. Sivaranjani, S. Radha Krishnan, C. Thangaraj and **K. Vimala Devi**, “Achieving Energy Conservation by Cluster Based Data Aggregation in Wireless Sensor Networks”, Wireless Personal Communications, **Springer Publications**-May’ 2013. (**Imp. Factor: 0.458**)
3. **Arun Shunmugam D** K.Gomathy, **M.E.** Constrained Active Contour For Interactive Image Segmentation. International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622, pp.498-502 498 ,Vol. 3, Issue 1, January -February 2013.
4. **Ruba Soundar K** and K. Murugesan, “An Adaptive Face Recognition in Combined Global and Local Preserving Feature Space”, International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI), Vol.5, No.1, pp.99-115, January 2011. (**Imp. Factor: 0.562**)
5. **Vimala Devi K**, Thangaraj. C and Mehata K.M., ‘Resource Control and Estimation Based Fair Allocation (EBFAA) in Heterogeneous Active Networks’, INFORMATICA, (Published in Vol. 34, Issue 1, 2011, pp. 101-112, , January 2011. **Imp. Factor: 1.63,)**
6. **K. Vimala Devi** and Nithya, (2011), ‘an Effective end-to-end approach to infer the Packet Forwarding Priority in the Network’, International Journal of Computer Science, Systems Engineering and Information Technology, ISSN: 0973-4406, Vol.4, pp.51-54, Jan-June 2011
7. **Ruba Soundar K** and K.Lekshmi, “Speech Synthesizer for Tamil using Neural Networks”, International Journal Of Computing, Vol.1, No.4, pp.801-806 - 2011
8. **Arun Shunmugam D**, R Kesavamoorthy, and L.Thanga Mariappan. Solving Traveling Salesman Problem by Modified Intelligent Water Drop Algorithm. IJCA Proceedings on International Conference on Emerging Technology Trends (ICETT) (2):18-23, Published by Foundation of Computer Science, New York, USA. 2011.
9. **Ruba Soundar K** and K. Murugesan, “Correlation based Face Matching in Combined Global and Local Preserving Feature Space”, International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI), Vol.4, No.8, pp.1281-1294, December -2010. (**Imp. Factor: 0.562**)
10. **Ruba Soundar K** and K. Murugesan, “Preserving Global and Local Information - A Combined Approach for Recognizing Face Images”, IET Journal of Computer Vision (IET-CV), Vol.4, No.3, pp.173-182, September-2010. (**Imp. Factor: 0.636**)
11. **Ruba Soundar K** and K. Murugesan, “Identification of Untrained Facial Image in Combined Global and Local Preserving Feature Space”, International Journal of Biometrics and Bioinformatics (IJBB), Vol.4, No.1, pp.53-64, March-2010.

12. **Ruba Soundar K** and K. Murugesan, “Preserving Global and Local Features - A Combined Approach for Recognizing Face Images”, International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI), Vol. 24, No.1, pp.39-53, February-2010. (**Imp. Factor: 0.562**)
13. **Ruba Soundar K** and K. Murugesan, “Preserving Global and Local Features for Robust Face Recognition under Various Noisy Environments”, International Journal of Image Processing (IJIP), Vol.3, No.6, pp.328-340, December-2009.
14. **Vimala Devi K.** and Mehata K.M. and Radhakrishnan S., ‘Resource Prediction and Management in Active Networks’, International Journal of Network Management (IJNM), Wiley-Inter Science Publications. (Published in Vol.19, Issue 1, pp. 57-74, and abstracted in ACM Portal, Print-ISSN: 1055-7148 E-ISSN: 1099-1190 ENGLAND WILEY-BLACKWELL).January -2009.(**Imp. Factor: 0.323**)
15. **Vimala Devi K.** and Mehata K.M., ‘Modeling and Simulation of Estimation Based Resource Allocation (EBRA^{LLSR}) in Active Networks’, International Journal of Engineering Simulation (IJES), University of Wolverhampton, UK. (Published in Vol. 8, No. 2, 2007, ISSN 1468-1137).
16. **Ruba Soundar K** and K.Muneeswaran, “Texture Image Segmentation using Combined Features from Spatial and Spectral Distribution”, International Journal of Pattern Recognition Letters, Vol.27, No.7, pp.755-764, May- 2006 .(**Imp. Factor: 1.266**).
17. **Vimala Devi K.** and Mehata K.M., ‘Resource Estimation and Allocation in programmable Active Networks using Knowledge Based Expert System’, International Journal of Computer Science and Information Technology (IJCSIT), Research way Publications (Published in Vol. 1, 2007, pp. 1-13,)-2006.
18. **Ruba Soundar K** and K.Muneeswaran, “Texture Classification with Combined Rotation and Scale Invariant Wavelet Features”, International Journal of Pattern Recognition, Vol.38, No.10, pp.1495-1506, October- 2005 .(**Imp. Factor 3.406**)
19. **Ruba Soundar K** and J.Malini, “Facial Image Extraction Through Color Mapping Techniques”, The International Journal of Technology, Knowledge, Society, Vol.2, No.1, pp.163-174, 2005.
20. **Ruba Soundar K**, J.Gul Sahira Banu and P.Regan, “A Dual Factor Biometric Authentication System Using GPCA and IFB”, The International Journal of Technology, Knowledge, Society, Vol.2, No.4, pp.83-90, 2005.
21. **Ruba Soundar K** and N.Kavitha, “Extraction of Foreground Entities Through Adaptive Background Framework”, The International Journal of Technology, Knowledge, Society, Vol.2, No.4, pp.27-34-2005.

- Monographs Nil
- Chapter(s) in Books Nil
- Editing Books Nil
- Books with ISBN numbers with details of publishers
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Name	No. of Journals listed in International Databases
Dr.K.Ruba Soundar	6
Dr. K. Vimala Devi	3

- Citation Index – range / average

Name	Total Citations	Citation Range	
		Min	Max.
Dr.K.Ruba Soundar	102	1	52
Dr. K. Vimala Devi	2	2	2

- SNIP

Name	No. of Journals	SNIP
Dr.K.Ruba Soundar	IJPRAI – 2 (2010)	0.699
	IJPRAI – 1 (2011)	0.890
	IETCV – 1 (2010)	1.223
	Elsevier Patt.Recog. – 1 (2005)	3.406
	Elsevier Patt.Recog. Letters – 1 (2006)	2.159
Dr. K. Vimala Devi	IJNM-John Wiley Publications	1.042
	Informatica-Lithuanian Academic Sciences	1.519
	Wireless Personal Communications –Kluwer Academic-Springer Publications	0.740

- SJR

Name	No. of Journals	SJR
Dr.K.Ruba Soundar	IJPRAI – 2 (2010)	0.653
	IJPRAI – 1 (2011)	0.721

	IETCV – 1 (2010)	0.580
	Elsevier Patt.Recog. – 1 (2005)	1.752
	Elsevier Patt.Recog. Letters – 1 (2006)	1.352
Dr. K. Vimala Devi	IJNM-John Wiley Publications	0.473
	Informatica-Lithuanian Academic Sciences- 1	0.539
	Wireless Personal Communications –Kluwer Academic-Springer Publications	0.394

- Impact factor – range / average

Name	No. of Journals	Impact Factor	5 Years IF	Immediacy Index
Dr.K.Ruba Soundar	IJPRAI – 3	$0.562 * 3 = 1.686$	$0.755 * 3 = 2.265$	$0.014 * 3 = 0.042$
	IETCV – 1	0.636	0.853	0.149
	Elsevier Patt.Recog. – 1	2.632	3.219	0.453
	Elsevier Patt.Recog. Letters – 1	1.266	1.529	0.109
	Average	1.555	1.9665	0.188
Dr. K. Vimala Devi	IJNM-John wiley Publications - 1	0.323	0.222	0.222
	Wireless Personal communications-Kluwer-Springer Publications – 1	1.63	0.912	0.52
	Lithuanian Academic Sciences-Informatica- 1	1.627	1.074	0.740

- h-index

Name	h-index	i-index
Dr.K.Ruba Soundar	4	2
Dr.K.Vimala Devi	2	1

15. Details of patents and income generated

Nil

16. Areas of consultancy and income generated

Nil

17. Faculty recharging strategies

Organizing Faculty Development Programs, Workshops, Seminars and Conferences

1. **Dr.K.Ruba Soundar, Dr.K.Vimala Devi and Mrs.V.Anusuya** Organized and conducted a three day's workshop on "Cloud Simulation and NS2 Simulation" during 4th, 5th and 6th October' 2013, at P.S.R Engineering College. The participants were final year U.G, P.G students, faculties and research scholars from various institutions.
2. **Vimala Devi K** Organized and conducted a Faculty Empowerment Programme by the resource person Mr. S. Ashokkumar, Master Trainer for WIPRO Mission 10x, for 40 faculty members at P.S.R Engineering College, during 10th to 14th June 2013.
3. **Dr.K.Ruba Soundar and Mrs.V.Anusuya** Organized and conducted a National Conference on Recent Trends in Computing, Communication and Technology – RecanT'13 on April 2013 at P.S.R Engineering College. The participants were final year P.G students, faculties and research scholars from various institutions
4. **Vimala Devi K** Organized and conducted an International Conference, ICTEC'2013 on March' 2012 at Sri Ramakrishna Engineering College, Coimbatore as the Head/Director-MCA.
5. **Dr.K.Ruba Soundar and Mrs.V.Anusuya** Organized and conducted a National Conference on Recent Trends in Computing, Communication and Technology – RecanT'12 on April 2012 at P.S.R Engineering College. The participants were final year P.G students, faculties and research scholars from various institutions
6. **Dr.K.Ruba Soundar, Dr.S.Janakiraman, and Mrs.V.Anusuya** Organized and conducted a National Conference on Recent Trends in Computing, Communication and Technology – RecanT'11 on April 2011 at P.S.R Engineering College. The participants were final year P.G students, faculties and research scholars from various institutions

Seminars/FDP participated:

1. Piramu M (2013), "**Theory of Computation**" Faculty Development Program, National Engineering College, Kovilpatti from 3rd June to 10th June 2013.
2. Vimala Devi K.(2012) "Cloud Computing" one week workshop, Pondicherry Engineering College,Pondicherry.
3. Vimala Devi K. "Recent Trends in Cloud Computing" at College of Engineering, a two days workshop , Anna University, Chennai.
4. Priyadarsini S. (2012),"Transform techniques in Signal & Image Processing",Two days National Seminar,PSR engineering college,sivakasi.

5. Santhi S. (2012), "Transform techniques in Signal & Image Processing", Two days National Seminar, PSR engineering college, sivakasi.
6. Ramani R. (2012), "Transform techniques in Signal & Image Processing", Two days National Seminar, PSR engineering college, sivakasi.
7. Anusya V. (2012), "Misson10X", National workshop, PSR engineering college, sivakasi
8. Priyadarsini S. (2012), "Misson10X", National workshop, PSR engineering college, sivakasi.
9. Ramani R. (2012), "Database management system (ICTACT)", ICT academy, Pavendhar Bharathithasan college of engineering & technology, Trichy
10. Edwin raja S. (2012), "Computer architecture & operating system" (ICTACT), Syed Ammal Engineering College, Ramanathapuram, Feb 17, 18, 2012
11. Palanikumar R (2012), "Computer architecture & operating system" (ICTACT), Syed Ammal Engineering College, Ramanathapuram, Feb 17, 18, 2012.
12. Priyadarsini S. (2012), "Database management system" (ICTACT), Pavendhar Bharathithasan College of Engineering & technology, Trichy
13. Priyadarsini S. (2011), "Research issues in Digital Image Processing", National seminar, MEPCO Engineering College, Sivakasi.
14. Priyadarsini S. (2011), "Liver segmentation from CT Image", National Multiconference on Innovative computing technology', Tagore Engineering College.
15. Srinivasa Ragavan P (2010) "J2EE and Best Practices in Application Development " 2 days Seminar by ICT Academy, Anna university, Tirunelveli.
16. Palanikumar R. (2010) "J2EE and Best Practices in Application Development " 2 days seminar by ICT Academy, Anna university, tirunelveli.
17. Priyadarshini S. (2009) "Optimization techniques in Image procesing", Two days national workshop, Anna university, Coimbatore
18. Anusya V. (2009) "Two days Orientaion Programme on object Programming", Anna university, Tiruchirapalli
19. Subbulakshmi Kannan A. (2009) "Teaching skills and quality education", Two days Induction Programme ,PSR Engineering college, sevalpatti.
20. Singaravelan S. (2009) "Teaching skills and quality education", Two days Induction Programme ,PSR Engineering college, sevalpatti.
21. Arun shanmugam D. (2009) "Teaching skills and quality education", Two days Induction Programme ,PSR Engineering college, sevalpatti.
22. Palanikumar R. (2009), "Data warehousing and data mining", AICTE sponsored staff development prograame, National Institute of technology, Tiruchy.
23. Santhi G.B (2009), "Research Intiative Programme In Soft Computing Techniques- Resoft '09' ", National seminar, PSR engineering College
24. Ramani R. (2009), "Research Intiative Programme In Soft Computing Techniques- Resoft '09' ", National seminar, PSR engineering College
25. Priyadarsini S. (2009), "Research Intiative Programme In Soft Computing Techniques- Resoft '09' ", National seminar, PSR engineering College

Motivate the faculty to present Paper in Conferences(National/International)

1. **Vimala Devi K** “Modeling and Estimation of Resource for Processing in Cloud Computing”, International Conference on Advanced Computing- ICoAC’2013”, during Dec 19th and 20th 2013 at MIT, Anna University, Chennai, Tamil Nadu, India.
2. **Vimala Devi K** “ Resource Estimation based on LLSR for Processing in Cloud Computing”, International Conference on Instrumentation, Control, Communication and Automation-ICICCA2013, during Jan 3rd to 5th 2013, at Kalasalingam Univesity, Krishnankoil, Tamil Nadu, India.
3. **Vimala Devi K** “ Effectiveness of Test Case Prioritization using APFD Metric: Survey”, IJCA Proceedings on International Conference on Research Trends in Computer Technologies 2013 ICRTCT (3):1-4, February 2013. Published by Foundation of Computer Science, New York, USA, ISSN Number: 0975 - 8887.
4. **Vimala Devi K** “Efficient and Climbable Multicast Routing Protocol in cloud Data Centre”, Proceedings of International Conference on Innovative Trends in computing and Technology- ITITCT’13 at Rajas’ College of Engineering, Tirunelveli during March 7th-8th’ 2013.
5. **Vimala Devi K** “Application Specific for Resource Provisioning in Cloud Computing”, Proceedings of International Conference on Innovative trends in computing and Technology- ITITCT’13 at Rajas’ College of Engineering, Tirunelveli during March 7th-8th’ 2013.
6. **Vimala Devi K** “A Key based security and location monitoring in VANET”, Proceedings of International Conference on Innovative Trends in Computing and Technology-ITITCT’13 at Rajas’ College of Engineering, Tirunelveli during March 7th-8th’ 2013.
7. **Vimala Devi K** “Virtual Trip lines for Traffic watching in VANET with Data Privacy”, Proceedings of National Conf on Computer Science and Informatics, Anna University Regional Centre Madurai during 17th April’ 2013.
8. **Vimala Devi K** “Application sole ingenuity procurement in cloud computing”, Innovation and Emerging Trends in Computer and Communication technology, National conference at Sri Vidhya College of Engineering and Technology, during 15th April 2013.
9. **Vimala Devi K** “Developing Economical and Ascendible multicast Routing Protocol in Cloud Data Centre”, Innovation and Emerging Trends in Computer and Communication technology, National conference at Sri Vidhya College of Engineering and Technology, during 15th April 2013.
10. **Singaravelan S** “Combined Global –Local Specialized Feature Descriptor for Content Based Image Retrieval. 2013 International Conference on Advanced Computing and Communication Systems (ICACCS - 2013), Dec. 19 – 21, 2013, Coimbatore, INDIA.

11. K.Gomathy, and **Arun Shunmugam D** "Effectual Image Haze And Noise Removal Using Pre And Post Processing" International Conference on Emerging Trends In Computer and Communication Technology (EMICS'13), February 2013.
12. R.Suriyakala, and **Arun Shunmugam D** "Semantic Image Retrieval In 3D MR Brain Volumes Using Statistical Classifier" International Conference on Emerging Trends In Computer and Communication Technology (EMICS'13), February 2013.
13. K.Gomathy, and **Arun Shunmugam D**"Interactive Image Segmentation Using Robust Convex Active Contours". International Conference on Innovation in Communication, Information and Computing (ICICIC'13), January 2013.
14. **Ruba Soundar K** and T. Anitha Devi, "An Efficient Model for Network Intrusion Detection System based on an Evolutionary Computational Intelligence Approach". IJCA Proceedings on International Conference in Recent trends in Computational Methods, Communication and Controls (ICON3C 2012) Published by Foundation of Computer Science, New York, USA, April 2012.
15. **Ruba Soundar K** and M.Dhivya, "Building Grid Based Application for the Management of Medical Image Data Using Alchemi". IJCA Proceedings on International Conference in Recent trends in Computational Methods, Communication and Controls (ICON3C 2012), Published by Foundation of Computer Science, New York, USA, April 2012.
16. **Ruba Soundar K, et.al.**, "HBR - An Advancement in 3D Password Human Body Recognition", International Conference on Computing and Control Engineering (IC³2012), April 2012.
17. **Ruba Soundar K** and T. Anitha Devi, "An Efficient Model for Network Intrusion Detection System based on Computational Intelligence", First International Conference on Computational Intelligence & its Applications. (ICCIA2012), March 2012.
18. **Anusuya V** "3-D Medical Image Compression Using E Bot Wit Vol Coding" Participated in the "First International Conference On Computational Intelligence And Its Applications-(ICCIA-2012). From 1.3.2.2012 to 3.3.2012.
19. **Raj Kannan C.**, has presented his/ her paper entitled Trust based multipath protocol against routing attacks in MANET in the "International Conference on innovative computing and information processing" in association with IEEE,CSI,ISTE& ICTACT on 29th -31 march 2012.
20. **Anusuya V** Third National Conference on emerging trends in information technology (NCETIT 3.0). on 24th February 2012.

21. **Anusuya V** “lossless MRI compression using prediction by partial approximate matching” at adcons’11 organized by CSE Dept, National Institute of Technology Karnataka, surathkal.
22. **Palanikumar R** “Maximing the lifetime of query based wireless”, International Conference on Computational Intelligence and its applications (ICCIA 2012),Vivekanandha Institute of engineering and technology for women,March 1-3,2012.
23. **Vimala Devi K**,“Review on Test Case Reduction Methods”, International Conference on Innovations in contemporary IT research (ICITR-2012) Quaid-E-millath Government College for Women(Autonomous), Anna Salai, Chennai -2 during (Feb 17-18’2012).
24. **Anusuya V**“Noise Removal Of Mri Image Using Anisotropic Diffusion Filtering” in the “International conference on innovative computing and information processing” in association with IEEE, CSI, ISTE & ICTACT 29th -31st march 2012.
25. **Ruba Soundar K** and **K. Murugesan** “Face Recognition using Combined Global and Local Preserving Features”, IEEE International Conference on Emerging Trends in Computing (ICETiC-2009), January 2009.
26. **Ruba Soundar K** and K.Muneeswaran “Frequency Domain Representation of Orthogonal Wavelet Packets for Face Recognition”, International Conference on Resource Utilization& Information Security, Jan.2006.
27. **Priyadarsini S**”Research issues in Digital Image Processing”,National seminar, MEPCO Engineering College,Sivakasi(2011).
28. **Arun Shunmugam D.** S.Sibi Chakkaravarthy, K.Gomathy, and V.Nachiyar ”HBR-An Advancement in 3D password Human Body Recognition”. International Conference on Recent Trends in Computer Science and Engineering (ICRTCSE 2012), May 2012
29. Dr.K.Ruba Soundar, **Arun Shunmugam D** and S.Sibi Chakkaravarthy,”Image Segmentation Based Auto Image Registration – Using Histogram:(AIRH) International Conference on Emerging Trends In Computer and Communication Technology (EMICS’12), February 2012.
30. M.S.Aarthy, P.Abirami, and **Arun Shunmugam D** ”Heterogenity – Projection Hard-Decision Color Interpolation Using Median Filter”. International Conference on Emerging Trends In Computer and Communication Technology (EMICS’12), February 2012.
31. **Raj Kannan C** “Secure multipath protocol against routing attacks using Trust bsed AODV in MANET”, National Conference on Computing Technologies(MEPCONCT’12), Mepco Engineering college,Sivakasi,March 14,2012.

32. **Santhi S** "Fingerprint Matching Using Ridges And Minutiae", 7th National Conference On Advanced Image Processing And Networking in National Engineering College, March 4-5, 2011
33. **Arun Shunmugam D** , Asymmetric Based Biometric Cryptosystem Using Fuzzy Vault Scheme. National Conference held at Kamarajar College of Engineering and Technology, 2011
34. **Arun Shunmugam D**, Remote Visualization of Volume Rendered Images With View Compensated Compression , National Conference held at Mohamed Sathak Engineering College, Kilakarai, MARCH 2010.
35. **Arun Shunmugam D**, Efficient And Secure Broadcasting Using Time Bound Hierarchical Key Management , National Conference held at Mohamed Sathak Engineering College, Kilakarai, 2010.

18. Student projects

- percentage of students who have done in-house projects including inter-departmental
- percentage of students doing projects in collaboration with industries / institutes

S.No	Academic Year	percentage of in-house projects	percentage of industrial projects
1	2013/14	98.9% (61/91)	32.96% (30/91)
2	2012-13	100% (79/79)	-
3	2011-12	100% (94/94)	-

19. Awards / recognitions received at the national and international level by

- Faculty Recognizations:**

S.No	Description	Name of the Faculty
1.	CISCO	Mr.P.Srinivasa Ragavan. Mrs. S.Priyadarsini.
2.	Ph.D. Guide-ships at the State Level Recognized Universities	Dr.K.Ruba Soundar. Dr.K.Vimala Devi
3.	International Reviewed journals: - Elsevier –Pattern Recognition - Elsevier-Pattern Recognition Letters - International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI), - IET –Biometrics	Dr.K.Ruba Soundar

	National Reviewed Journals: - Journal of Pattern Recognition Research - Indian Journal of Scholarly Research.	
4.	International Reviewed journals: - International Journal of N/W Management(IJNM) - International Journal of Communication System(IJCS) - Editorial Board Member and Reviewer for AIRCSE Journal - IEEE Communication Letter	Dr.K.Vimala Devi

- Doctoral / post doctoral fellows : Nil

- **Students Awards :**

S.No	Description	National / International	No. of students
1.	CISCO	International	30
2.	MICROSOFT	International	15
3.	BEC Preliminary	International	6

S.no	Name of the student	Year	Programme	University rank
1.	Santhi.S	2007-2011	B.E.CSE	12 th
2.	Naga Nandhini.P	2007-2011	B.E.CSE	35 th
3.	Srilakshmi.I	2007-2011	B.E.CSE	45 th
4.	Vijayalakshmi.B	2009-2011	M.E.CSE	5 th
5.	Dora Angel.M	2008-2012	M.E.CSE	50 th
6.	Latha.S	2010-2012	M.E.CSE	First
7.	Lakshmi.A.S.	2010-2012	M.E.CSE	13 th
8.	Jenita.P	2012-2013	M.E.CSE	38 th

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

2013-14

Event date	Event name	Participants
4,5,6-11-2013	Workshop on NS2 and Cloud Computing	50

08-08-2013	Recent trends in Cloud Computing	100
17-08-2013	2D and 3D Animations	85
17-08-2013	One day seminar on “Cloud Computing”	101
03-01-2014	Motivation program on "How to get job opportunity"	91
18-01-2014	A workshop on "Examples of Application Layer Using LINUX OS"	84

2012-2013

Event date	Event name	Participants
03-09-2012 & 04-09-2012	Workshop on “Problem Solving in C & C++” - organized by ICTACT	25
June-2012	National Seminar on “Transform Techniques in Signal & Image Processing”	30
13-06-2012	ICTACT Conclave on “Recruitment Trends & Employability Skills”	100
18-06-2012 & 19-06-2012	ISTE-Two Day Orientation Programme to the fresh faculty members	25
30-06-2012	Workshop on Basic Computer Applications & Communication Skills”	20
July-2012	Recent Trends in N/W Technologies	43
28-07-2012	One day Elocution Competition	101
Aug-2012	Computer Installation Servicing	100
Aug-2012	Recent Trends in Android Technologies	90
Sep-2012	Hands-on Training for Android Applications	101
Sep-2012	Resilience 12	50
15-09-2012	One Day “AICTE Sponsored National Level Seminar on Research Issues of Cloud Computing and its Applications”	38
28-03-2013	National Level technical Symposium "AgniShetra 2K13'	30
19-04-2013	Third National Conference on "Recent Trends in Computing , Communication and Technology -ReCanT '13	25
04-04-2013	One day seminar on “Introduction about .Net Basis”	25

2011-2012

Event date	Event name	Participants
24-06-11	ISTE-One Day Orientation Programme for the Staff members	25
17-09-11	CSI Student Chapter organized the events “Extempore & quiz”	50
29-11-2011	One day “Workshop on Soft Skills for Scholl Teachers”	25

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Academic year	Selected		Pass percentage	
			Male	Female	Male	Female
B.E. Computer Science and Engineering	-	2012-2013	28	51	75% (21/28)	78.4% (40/51)
		2011-2012	39	44	74.4% (29/39)	78.6% (44/56)
		2010-2011	45	49	71.1% (32/45)	81.6% (40/49)
		2009-2010	31	35	74.2% (23/31)	77.1% (27/35)
M.E. Computer Science and Engineering	-	2012-2013	1	16	100% (1/1)	93.8% (15/16)
		2011-2012	1	17	100% (1/1)	100% (17/17)
		2010-2011	4	14	100% (4/4)	100% (14/14)

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.E. Computer Science and Engineering	Not Applicable	90.1% (319/322)	0.9% (3/322)	--
M.E. Computer Science and Engineering	21.9% (7/32)	100% (32/32)	--	--

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S.No	Competitive Examinations	No. of students cleared
1	GATE	12

24. Student progression

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG	12.5%(10/80)	15.18%(24/95)	15.38%(12/95)	15.2%(12/79)
PG to M.Phil.	Not Applicable	Not Applicable	Not Applicable	Not Applicable
PG to Ph.D.	-	5%(1/18)	-	5%(1/18)
Ph.D. to Post-Doctoral	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Employed				
• Campus selection	10% (5/50)	25%(20/80)	27.69%(18/65)	14.75% (9/61)
• Other than campus recruitment	60%(30/50)	35% (28/80)	53.84(35/65)	19.67% (12/61)
Entrepreneurs	8%(4/50)	2.5%(2/80)	22%(3/65)	--

25. Diversity of staff

Percentage of faculty who are graduates	UG	PG	Ph.D
of the same parent university	48% (12/25)	80% (20/25)	100% (2/2)
from other universities within the State	48% (12/25)	16% (4/25)	-
from other universities from other States	4% (1/25)	4% (1/25)	-

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

S.no	Name of the faculty member	Year of completion	Qualification	University
1.	Dr.K.Ruba Soundar	2010	Information and Communication Engineering	Anna University, Chennai

27. Present details about infrastructural facilities

a) Library (Department)

- Area: 5.2m x 4.6sq.m
- Number of books(in Titles): 283
- Number of Books(in volume): 625
- Daily News Paper: 01

b) Internet facilities for staff and students

- For staff: Computers are provided in faculty rooms. LAN and WIFI facilities are available in all faculty rooms.

- For Students: Internet facilities are provided in TERA I, II, III, IV laboratory in the department. A common computer center is also providing internet facility. WIFI facility is also provided to all the students.

c) Total number of class rooms:8

d) Class rooms with ICT facility:01 (Seminar Hall)

e) Students' laboratories:04

f) Research laboratories : 01

28. Number of students of the department getting financial assistance from College.

S.NO	Name of the student	Year of completion	Degree	Fees
1.	R.Prabakaran	2014	B.E	Hostel + tuition Fees
2	C.Balasubramani	2015	B.E	Tuition Fees
3	P.Venkatesh	2015	B.E	Tuition Fees
4	S.Sheikh aarief deen	2016	B.E	Tuition Fees
5	R.Mayakrishnan	2013	B.E	Tuition Fees
6	R.Mayakrishnan	2015	M.E	Tuition Fees

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- Demand of the programme is taken as base
- Feedbacks from Senior Faculty Members of the Department, Academic Experts, Industrial Experts and Alumni Members.
- Suggestions from Board of management

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- Yes. The opinions / suggestions are obtained from the faculty members based on their specialization and expertise.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- Yes. Every semester feedbacks are collected from the students for each and every faculty member. Based on their evaluation appreciation / counseling is given to the respective members to improve their performance.

c. alumni and employers on the programmes and what is the response of the department to the same?

- Yes. The opinions / suggestions are obtained from the alumni and employers to improve the curriculum. They are one among the members of Board of studies.

31. List the distinguished alumni of the department (maximum 10)

1. **Name:** P.Shanmugaraj
Batch: 2004
Current Designation: Test Lead (L&T infotech Ltd,)
2. **Name:** A.Chinnakani
Batch: 2010
Current Designation: Programmer Analyst(CTS)
3. **Name:** Vishnu Prasath C
Batch: 2011
Current Designation: IT Administrator, Info. Tech. / ARKADIN
4. **Name:** Vanniyaraja Karkuvel
Batch: 2011
Current Designation: System Engineer, Polaris Financial Technology. - Software (Financial Software Solutions)
5. **Name:** Arunjunai Prakash M
Batch: 2013
Current Designation: Trainee, Ramco Systems Limited, Chennai
6. **Name:** S.Saranya
Batch: 2013
Current Designation: Trainee Consultant, Lancet Software India Pvt Ltd, Bangalore
7. **Name:** SathiyaPrakash.P
Batch: 2011
Current Designation: Microsoft Dynamic GP Techno Functional, TillidSoftware Solution Private Limited

8. **Name:** Vignesh Narayanasamy
Batch: 2010
Current Designation: CEO, Pyx Solutions
9. **Name:** M.S.Amarnath
Batch: 2010
Current Designation: Data Manager, Gabriels Technology Solutions
10. **Name:** Vinoth Raj.S
Batch: 2013
Current Designation: Trainee, Sutherland Global Services.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Year	Type of Training	Organization	Days/Dates
2011-12	NAC-TECH - screening test	NASSCOM	20-09-2011
	Screening test	Sybrant Technologies Pvt Ltd	17-03-2012
	NAC-TECH - screening test	NASSCOM	04-04-2012
	CNC Training Program		Mar-2012
	Address and Interaction with College Students	Dr.A.P.J.AbdulKalam, Former President	26-06-2012
2012-13	Training Programme	Focus Academy for Career Excellence, Chennai	09-07-2012 to 14-07-2012
	Training Programme	AXIOM Academy, Chennai	09-08-2012 to 14-08-2012
	NAC-TECH - screening test	NASSCOM	04-08-2012
	one day programme "Mega Future"	JCI (Junior Chamber International) sivakasi	25-09-2012
	Placement Training programme	AXIOM Academy	11-10-2012 to 14-10-2012
	Training programme	Randstat, Chennai	01-11-2012 to 03-11-2012
	Pre-Placement talk	Sure Soft Pvt Ltd, Pondicherry	19-10-2012
	Microsoft Certified Technical Specialist (MCTS) a certification course	MICROSOFT	12-12-2012
	Special placement training	Focus Academy for Career Excellence from Chennai	18-12-2012 & 19-12-2012
	communication skills- Training Programme	English Department	28-01-2013 to 01-02-2013

	special training programme	Randstat India Lt	12-02-2013 to 14-02-2013
	special placement training programme	ICHEIVE Education Ltd	11-03-2013 to 16-03-2013
	Six day value added Programme on "CNC Programming & Machining in XL-Turn & XL-Mill"	Mechanical Engineering Association in collaboration with MTAB Technology Centre Pvt. Ltd., Chennai	21-03-2013 to 26-03-2013
	Awareness programme on "Intellectual Property Rights and Patents"	P.Balamurugan, Asst Controller of Patents and Designs, Chennai	15-03-2013
	A special lecture: Higher Education & Entrepreneurship	Mr.R.Jayaraman, Member Secretary, Center for Entrepreneurship Development(CED), Tamilnadu	18-03-2013
	Launch of "Youth Ventures Program[Nurturing Innovation and Entrepreneurship] by Nativelead Foundation	Mr.Ligi George, Past Chairman, CII Madurai zone & Maganing Director, Madras Suspensions Ltd	19-04-2013
2013-14	Training programme	Ethnus Consultancy Services, Bangalore.	25-07-2013 to 27-07-2013
	Workshop on"START-UPS BASED ON HANA TECHNOLOGY" Organised by "I-Cell" in association with Native Lead Foundation and SAP India	Mr.Vidyasagar Reddy, Senior Developer in Business Intelligence Division, SAP Labs India & Mr.Archit Kalkunte, Marketing and Communication Consultant, SAP Labs India.	17-07-2013
	Speech on: Innovation-Any Time, Any Where, Any place & by Anybody	Dr.Shiva Ayyadurai, Director, Massachusetts Institute of Technology USA. (Inventor of Email)	27-07-2013
	Training programme	Ethnus Consultancy Services, Bangalore.	weekly three hours(from 05-08-2013)
	Interactive Session: Continuous learning helps you to become successful entrepreneur	Mr.A.K.Pattabiraman, Head, Accreditation Process for south India and Academic interface for Tamilnadu Tata Consultancy Services	20-08-2013
	A special lecture: Hard work is the essence of achieving great heights in studies	Honorable Justice M.Chockalingam, Judicial Member, The National Green Tribunal, Southern Zone, Chennai	20-08-2013

	Workshop on "Entrepreneur DNA"	Mr.R.Shivaraj, immdt. Past Convenor, ICT Panel, CII Madurai Zone & Joint Managing Director, Winways systems (p) Ltd., & Mr.K.Jayachandran, Head-Corporate Initiatives, Nativelead foundation.	12-09-2013
	Training programme	Ethnus Consultancy Services, Bangalore.	16-12-2013 to 21-12-2013
	Training programme	FOCUS Academy for Career Excellence, Coimbatore	26-12-2013 to 02-01-2014
	Six days Training Programme	"CNC PART PROGRAMING, SIMULATION & MACHINING IN XL-TURN & XL-MILL" in colloboration with MTAB India (P) ltd., Chennai,	09-10-2013 to 13-10-2013
	Workshop on NS2 and Cloud Computing	Dr.Mohit B.Tahiliani, NIT, Suratkal	4,5,6-11-2013
	Recent trends in Cloud Computing	M/s.Pantech Solutions, Madurai	08-08-2013
	2D and 3D Animations	M/s.Universal Computers, Kovilpatti	17-08-2013

33. List the teaching methods adopted by the faculty for different programmes.

- Lecture by Chalk and Talk
- Lecture with a quiz / questions
- Tutorial
- Demonstration (Such as model, laboratory, field visit)
- Group Discussion
- Group Assignment/ Project
- Presentations
- Through Learn on line - **Moodle** is in use to perform various activities like group assignments / group projects and to share the materials.
- e-content through national and international portals such as:
 - **NPTEL** <http://nptel.iitm.ac.in>
 - **MIT Open Courseware** <http://ocw.mit.edu/index.htm>

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Bi-weekly test for all the theory courses is conducted by the department.
- Internal Assessment Tests (3 Nos. / Semester) are conducted by the examination cell.
- The performance is analyzed in the class committee meeting. The class committee is constituted by the regulations of the Anna University. The class committee is having the following members:
 - A senior faculty member as chair person,
 - Student members (selective students from top, middle and bottom level),
 - Subjects handling staff,
 - Class advisors
- The difficulties faced by the student and staff are discussed in the class committee and the same is forwarded to Head of the Department and Principal for necessary action.
- For project work, regular reviews (3 Nos.) are conducted by the department.

35. Highlight the participation of students and faculty in extension activities.

STUDENTS:

Students were actively participated in various programs, such as:

- Blood Donation.
- Cultural activities.
- Membership (ISTE, CSI, CISCO, IEEE, IETE).
- Social Activities/ NSS .

Name of The Programme	Student Name	Venue	Period / Date
Two days National seminar on Language Based Formal Methods and Verification Techniques for Security	P.Devi Sri M.MuthuVijayaRani S.Michel Navitha Jency R.Laxmi P.Jothithilaga K.Aishwarya R.Hema B.Shunmuga Priya M.Ponmani T.Beulah S.Maheswari S.Anusuya Devi V.Bhuvaneswari S.Meera	National Engineering College	2013-2014
ENTRAN Animation Workshop	S.ValliPriya R.KamaRaj P.AnBalagan	Mepco Schlenk Engineering College	2013-2014

One day workshop Middleware Technologies	M.Kishok Kumar P.R.Vishnu Santhosh	Mepco Schlenk Engineering College	2013-2014
A National Seminar On Android Application Development	G.Nanthini M.Rathana Priya R.Poorina C.Praveena	Sree Sowdambika College Of Engineering	2013-2014
Two Days Instructional Course On Computational Complexity	B.Sappanimuthu	National Engineering College	2013-2014
Paper Presentation-Nice 2013	K.Karthick	Sree Sowdambika College of Engineering	2012-2013
Paper Presentation - NCRTE2013	R.Mohan Kumar S.Balaganesh	Agni College of Technology	2012-2013
Paper Presentation- ENSREC-13	P.Saravana Kumar S.Ramesh S.Mariappan V.AlaguRaj G.Barathan S.Balaganesh K.Karthick K.Rajasekar N.AshokPrabu P.Muthuraj S.Kousalya	Easa College of engineering and Technology	2012-2013
A two day National Conference on “Advanced Image Processing and Networking”	S.Kousalya	National engineering College	2012-2013
Paper Presentation- EMICS’ 13	R.Suriyakala N.Sumathi G.Santhiya	Maria College of engineering and Technology	2012-2013
Author workshop for “How to Write for and Get Published in Scientific Journals and Publish Manuscripts	G.Santhiya P.Jenita P.Jeyabharathi S.Vaishnavi R.VidhyaLakshmi	Anna university, Chennai	2012-2013
Paper Presentation- EMICS’ 13	P.Jenita P.Jeyabharathi S.Vaishnavi	Maria College of engineering and Technology	2012-2013

QUIZ contest- first prize	S.Syed Sulthan	Raja College of Engineering & technology	2012-2013
Paper Presentation-Second Prize	S.Nanda Kumar P.Saravanan	Raja College of Engineering & technology	2012-2013
U or ME-First Prize	S.Nanda Kumar	Raja College of Engineering & technology	2012-2013
Paper Presentation-Second Prize	S.Nanda Kumar A.Gifston Abhramam	SCAD College of Engineering	2012-2013
Paper Presentation (DREAM HACK'13)	S.Nanda Kumar	Indra Ganesan College of Engineering	2012-2013
Media-War (ENIMATA)	S.Nanda Kumar A.Gifston Abhramam	SCAD College of Engineering	2012-2013
Ad-Zap-First Prize	B.Surya	Kalasalingam University	2012-2013
Two days National Level Workshop on Advancements in Brain Image Analysis Towards Research	S.S.Aruna devi K.Jeeva R.Rajeswari	P.S.R.Rengasamy College of Engineering for Women	2012-2013
QUIZ at INFOZIA-First Prize	S.Nanda kumar P.A.Sooria Prakkash	Pandian Saraswathi Yadav Engineering College	2012-2013
Paper Presentation (INFOZIA)	S.Nanda kumar	Pandian Saraswathi Yadav Engineering College	2012-2013
Multimedia (INFOZIA)	S.Nanda kumar	Pandian Saraswathi Yadav Engineering College	2012-2013
Workshop on MAT-LAB	S.Aniruth & V.Vasanth	University college of Engineering, Villupuram	2012-2013
Paper Presentation (RENOVAR'13")	B.Surya	P.S.R.Rengasamy College of Engineering for Women	2012-2013
Seminar on "A Practical approach to Secure Computing"	S.Nanda kumar	Cape Institute of Technology	2012-2013
WHO AM I (KRIOS'13)	B.Surya	Dr.N.G.P.Institute of Technology	2012-2013
Event Management(KRIOS'13)	B.Surya	Dr.N.G.P.Institute of Technology	2012-2013
Fun World(KRIOS'13)	B.Surya	Dr.N.G.P.Institute of Technology	2012-2013

Workshop on E-Council	S.Nanda kumar K.Mukunthan	Cape Institute of Technology	2012-2013
demonstrated the project on “Speech Enabled PC Control”	V.Vasanth	National Engineering College	2012-2013
Gaming Contest in CYBERKNOTS’13- Second Prize	S.Aniruth	Hindustan college of Engineering and Technology	2012-2013
Paper presentation- COMPONEC’13”	V.Vasanth	National Engineering College	2012-2013
Paper Presentation- CYBERKNOTS’13”	M.Alagesh S.Aniruth	Hindustan college of Engineering and Technology	2012-2013
Entrepreneurship Awareness Camp	G.Barathan	Dr.Sivanthi Aditanar College of Engineering Tiruchendur.	2012-2013
Best Manager” of INTERFACE-Third Prize	T.Samraj	Coimbatore Institute of Technology	2012-2013
Paper presentation Contest in Cognition ’12-First Prize	S.Nanda kumar P.A.Sooria Prakkash	Kalasalingam Institute of Technology	2012-2013
A State Level Android Workshop	S.Nanda kumar S.Aniruth G.Kirubakaran B.Vijayarajan P.A.Sooria Prakkash M.Alagesh M.Vikram	Mepco Schlenk Engineering College	2012-2013
One day workshop on Future of Android and Android hacking	A.Selvaraj M.BalaSubramani T.SamRaj J.SundareshBabu BSappaniMuthu	Coimbatore Institute of Technology.	2012-2013
one day CISCO Academy Meet on “Emerging Trends in Green Networking Technologies	R.Aarthi J.K.JayaKumari M.Meenakshi K.Mayuri K.Rajeshwari R.Renganayaki A.Thendral V.Usha S.Venkadalakshmi G.Mareeswari S.Vaishnavi	National Engineering College	2012-2013

Paper presentation Contest in GAGNANT'12-Second Prize	S.Nanda kumar P.A.Sooria Prakkash	V.P.M.M.Engineering College for women and Technology	2011-2012
Paper Presentation–First Prize	S. Nandha kumar	Ayya Nadar Janaki Ammal College, Sivakasi	2011-2012
Paper Presentation–Third Prize	S. Sibi chakkaravarthy	M.A.M. Engineering College, Trichy	2011-2012
Poster Design – Third Prize	S. Sibi chakkaravarthy	M.A.M. Engineering College, Trichy	2011-2012
Paper Presentation – Second Prize	K. Surendhiran S. Sibi chakkaravarthy	Kalasalignam Institute of Technology, Krishnankovil	2011-2012
Poster Design –Third Prize	S. Sibi chakkaravarthy	Kalasalignam Institute of Technology, Krishnankovil	2011-2012
Dhi Yantra'11 (Workshop On Brain Modeling And Super Computing)	C. Devipriya M. Manju H. Kamarun nisha S. Priyadharsini	Valluvar College of Science and Management, Karur	2011-2012
Stac'11 (Plc And Scada Workshop)	U. Karthick selvam D. Naga vignesh S. Ganesh R. Raguraman S. Kumaresan M. Sambathu madasamy	Bannari Amman Institute of Technology, Sathyamangalam	2011-2012
Xapz'11 (Multimedia Presentation)	S. Senthil kumar	Maha College of Engineering, Salem	2011-2012
Revons-V2(Debugging)	S. Ayyappan	M.A.M college of Engineering & Technology, Trichy	2011-2012
Workshop on Cloud Computing	S.A. Ismathullah G. Durai murugan	VLB Janakiammal college of Engineering & Technology, Coimbatore	2011-2012
Stacs(Paper Presentation)	S. Sankareswari E. Saraswathi karthiga	RAJA college of Engineering & Technology, Madurai	2011-2012
Workshop on Cloud Computing	M. Lakshmanan M. Praveen kumar R. Barathirajan C. Muthuramalingam A. Karthikayan M. Muthukumar K. Mareswaran	St.Joseph's college of Engineering & Technology, Thanjavur	2011-2012
	S.Nanda kumar	J.P.College of Engineering	2013-2014

First Prize adZap	S.Nanda kumar	Srividya College of Engineering	2013-2014
First Prize in Debugging	S.Thiruppathi	unnamalai Institute Of technology	2013-2014
First Prize in QUIZ	V.Vasanth	unnamalai Institute Of technology	2013-2014
Third Prize in Hard spot	G.Essaky Iswarya, Felcia Pearlin	P.S.R.engineering College	2013-2014

FACULTY:

- Present technical papers in international/national conferences / seminars

List given in Question No: 17

- Publish technical papers in reputed journals

List given in Question No: 14

- Conducting the faculty development programs

List given in Question No: 17

- Taking responsibilities on administrative activities

S.No	Name of the Faculty	Administrative Responsibilities
1.	Dr. K.Ruba Soundar	• Head of the Department • Research Centre Head • Chairman – Board of Studies CSE • Member Academic Council
2.	Dr. K.Vimala Devi	• Member – Research and development Cell
3.	Mrs. V. Anusuya	• Member – Staff club
4.	Mr. R.Palanikumar Mrs.N.Gayathri	• Library Officer – Central Library • Member- Central Library
5.	Mr. P.Srinivasa Ragavan	• Branch Counsellor -CSI Chapter
6.	Mrs. R. Ramani	• President – Alumni Association • Member - Academic Council
7.	Mrs.S.Priyadharsini	• Member – College Magazine/News Letter Committee
8.	Mr.S.Singaravelan Mr.D.Arun Shunmugam	• Member – Computer Maintenance cell
9.	Mr. S.Edwin Raja	• Member-Information support system centre • Member-Training and Placement Cell

- Taking responsibilities on department activities

S.No	Responsibilities	Staff Incharge
1	Leave In charge, Attendance Reporting, Fine Calculation, Finance - Fees Collection Activities.	Mr.D.Arun Shunmugam Mr.V.Selvakumar
2	Association, Staff / Student/Department activities ,Magazine, Website, New Letter	Mrs.V.Anusuya Ms.J.Hemalatha
3	Reports Preparation -> NBA, Compliance, Affiliation, ISO, Staff Profiles.	Mrs.S.Priyadarsini Mrs.M.piramu
4	Mark Analysis -> IAT, Model, University, Internal marks, Consolidation.	Ms.V.Roobavathi Mrs.N.KrishnaVeni
5	Board Of Studies work , University – Exam Related Activities, University Lab Time-table, Scheme preparation, Maintaining, Regulations, Syllabus	Mr.R.Palanikumar Mrs.D.Thamarai Selvi
6	Exam cell -> Question Collection, Key Collection for IA & Model Exams , Conducting Exams	Mr.S.Singaravelan Mr.C.Rajkannan
7	Department Library / Two mark Questions, Big Questions Collection / Course material Collection / Department Budget	Ms.M.BhanuPriya Ms.R.Sujitha
8	Time table, Alumni, Guest Lecture, Extra Lab schedule & Time table	Mrs.R.Ramani Mrs.N.Gayathri
9	Placement Activates, Project Work (UG & PG), MOU (ICTACT, Nasscom)	Mr.S.Edwin raja Ms.S.Santhi
10	Value added courses, Minutes of meeting	Mrs.A.Subbulakshmi
11	Purchase & Maintenance work(furniture , Electrical Equipment etc), Student Record Maintenance & update, Implant training, Industrial visit, Automation, Learn online, staff leave Register Maintenance	Mr.P.Srinivasa Ragavan Mr.K.Selva Murugan

36. Give details of “beyond syllabus scholarly activities” of the department.

- The department is having a laboratory with new software like OS windows 7, kaspersky, sqlserver2005, IBM rational suite and visual studio 2008.
- Regular industrial visits
- In-plant training by students during semester holidays
- Regular guest lecture by industrial experts
- Encouraging the students to participate project contest, paper presentation etc.,

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Yes, certified as

- **ISO 9001:2008** ,The Germanischer Lloyd Certification GmbH,20459 Hamburg,
- **National Board of Accreditation, New Delhi 2009.**
- **Research centre.**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

- Strength:
 - a. Excellent infrastructure
 - b. Research centre recognition
 - c. Adequate laboratory and library facilities
 - d. Qualified faculty members University Rank holders
 - e. Excellent staff student ratio
- Weakness:
 - a. Consultancy services to pick up
 - b. Patents to file
 - c. Less number of Ph.D. faculty
 - d. Average level of communication skills
 - e. Less number of funded projects
- Opportunities:
 - a. Supportive management
 - b. Modernization in teaching learning process
 - c. Student's involvement in many co-curricular and extra-curricular activities
 - d. Soft skill training / Placement training programmes/ Value added programmes
 - e. Continuous improvement process for developing students knowledge
- Challenges:
 - a. Institute Industry interaction
 - b. Train the Students with strong communication skills
 - c. More number of students from rural area
 - d. Internship
 - e. Funded projects

39. Future plans of the department.

- To introduce new PG course in Computer Networks.
- To organize international conference
- Plan to publish department magazine for every 3 months
- Modernization of Laboratories to enhance the consultancy
- Getting more Funded projects

Department of Electrical and Electronics Engineering

1. **Name of the Department** : Electrical and Electronics Engineering
Year of establishment : 2001
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Sl. No.	Names of the Programme offered	Remarks (UG/ PG/ Ph.D)
1.	B.E- Electrical and Electronics Engineering	Started with 60 seats in 2001
2.	M.E –Power Electronics and drives	Started with 18 seats in 2013

3. **Interdisciplinary courses and departments involved**

Sl. No.	Interdisciplinary Courses offered	Year	Name of the Department Involved
1	Computing fundamentals and 'C' programming	I	Computer Science Engineering
2	Computer Practice Laboratory - I	I	Computer Science Engineering
3	Computer Practice Laboratory - II	I	Computer Science Engineering
4	Basic Civil & Mechanical Engineering	I	Mechanical Engineering
5	Data Structures and Algorithms	II	Information Technology
6	Data Structures and Algorithms lab	II	Information Technology
7	Communication Engineering	III	Electronics and communication Engineering
8	Object Oriented Programming	III	Information Technology
9	Object Oriented Programming lab	III	Information Technology
10	Computer Networks	III	Information Technology
11	Principles of Management	IV	MBA
12	Operating Systems	IV	Information Technology

4. **Annual/ semester/choice based credit system**

UG (B.E. EEE) – Semester Based Credit System
 PG (M.E. PED) – Semester Based Credit System

5. **Participation of the department in the courses offered by other departments**

Courses offered by other department	Year	Name of the Dept. involved
Engineering Practices Lab(group B)	I	All branches
Basic Electrical and Electronics Engineering	I	Civil, Mechanical, Biotech
Electrical Engineering	II	ECE
Electrical Engineering & control systems lab	II	ECE
Electrical Drives and Control	II	Mechanical
Electrical Engineering lab	II	Mechanical

**6. Number of teaching posts sanctioned and filled
(Professors/Associate Professors/Asst.Professors)**

	Sanctioned	Filled
Professor	1	1
Associate Professors	4	4
Asst. Professors	11	11

**7. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	Total Experience in Yrs	No. of Ph.D. students guided in the last 4 years
Dr. S.Ramesh	Ph.D.	Professor & HOD	Power Systems	8 years 9 months	Nil
Mr. C. Senthil Kumar	M.E., Ph.D. (pursuing)	Associate Professor	Power Electronics and Drives	14 years 4 months	Nil
Mr. S. Ramaswami	M.E., Ph.D. (pursuing)	Associate Professor	High Voltage Engineering	10 years 8 months	Nil
Mr. R. Mahendran	M.E.	Associate Professor	Power Electronics and Drives	5 years 10 months	Nil
Mr.T. Balasubramanian	M.E.	Associate Professor	Power Electronics and Drives	5 years 10 months	Nil
Mr. S. Sivakumar	M.E.	Assistant Professor	High Voltage Engineering	4 years 10 months	Nil
Mrs. S. Krishnaveni	M.E.	Assistant Professor	Power Electronics and Drives	6 year 5 months	Nil
Ms. R. Banumathi	M.E.	Assistant Professor	Power Electronics and Drives	2 year 10 months	Nil

Mr. P.K. Kasirajan	M.E.	Assistant Professor	High Voltage Engineering	1 year 10 months	Nil
Ms. S. Divya	M.E.	Assistant Professor	High Voltage Engineering	1 year 10 months	Nil
Mrs.R.Aruna	M.E.	Assistant Professor	Power Electronics And Drives	10 months	Nil
Mr.L.Seenivasagam	M.E.	Assistant Professor	High Voltage Engineering	10 months	Nil
Ms.S.Latha	M.E.	Assistant Professor	Power Electronics and Drives	10 months	Nil
Mr.N.Ganesh	M.E.	Assistant Professor	Power Electronics and Drives	10 months	Nil
Mr.P.S.Ramkumar	M.E.	Assistant Professor	Power Electronics and Drives	10 months	Nil
Ms. Uma Vishnu Karthiga	M.E.	Assistant Professor	Power Electronics and Drives	10 months	Nil

8. Percentage of classes taken by temporary faculty – programme-wise information
Not Applicable

9. Programme-wise Student Teacher Ratio

Sl.No.	Name of the programme	Student-Teacher ratio
1.	B.E (Electrical and Electronics Engineering)	13:1
2.	M.E(High Voltage Engineering)	9:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Sl.	Staff Category	Sanctioned	Filled
1.	Academic support staff (Technical)	06	06
2.	Administrative staff	01	01

11. Number of faculty with ongoing projects from a) national b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

NIL

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

NIL

13. Research facility / centre with State recognition - NIL**National****International recognition****14. Publications:****Number of papers published in peer reviewed journals (National / International)**

Name	Total No of Journal Publications	Total No of Conferences Publications	Number Listed in International Database (Google Scholar etc)	Citation Index	SNIP	SJR	Impact Factor	h-Index
Dr. S.Ramesh	4	16	8	23	.02	.084	0.966-2.14	4
Mr. C. Senthil Kumar	2	3	-	-	-	-	0.244	
Mr. S. Ramaswami	-	-	-	-	-	-	-	-
Mr. R. Mahendran	-	3	-	-	-	-	-	-
Mr.T. Balasubramanian	-	-	-	-	-	-	-	-
Mr. S. Sivakumar	-	2	-	-	-	-	-	-
Mrs. S. Krishnaveni	-	-	-	-	-	-	-	-
Ms. R. Banumathi	-	2	-	-	-	-	-	-
Mr. P.K. Kasirajan	-	1	-	-	-	-	-	-
Ms. S. Divya	-	2	-	-	-	-	-	-
Mrs.R.Aruna	-	-	-	-	-	-	-	-
Mr.L.Seenivasagam	-	2	-	-	-	-	-	-
Ms.S.Latha	-	1	-	-	-	-	-	-
Mr.N.Ganesh	-	2	-	-	-	-	-	-
Mr.P.S.Ramkumar	-	4	-	-	-	-	-	-
Ms. Uma Vishnu Karthiga	-	1	-	-	-	-	-	-

*** number of papers published in peer reviewed journals (national / international)**

1. S. Ramesh, S.Kannan and S.Baskar, "Application of an Improved Generalized Differential Evolution algorithm to multi-objective optimization problems. SEMCCO 2011, Part I, **Lecture Notes in Computer Science (LNCS) 7076**, Springer-Verlag, Berlin Heidelberg, pp. 77–84, 2011. (*SNIP: 0.020 and SJR: 0.084*).

2. S. Ramesh, S. Kannan, and S. Baskar, “An Improved Generalized Differential Evolution Algorithm for Multi-objective Reactive Power Dispatch”, **Taylor and Francis- Engineering Optimization – Taylor & Francis Group**, Vol. 44, No. 4, pp. 391-405, 2012, *Impact Factor: 0.936*
3. S.Ramesh, S.Kannan and S.Baskar, “Application of Modified NSGA-II Algorithm to Multi-objective Reactive Power Planning”, **Applied Soft Computing – Elsevier**, Vol. 12, Issue 2, Feb. 2012, pp. 741-753. (DOI:10.1016/j.asoc.2011.09.015), *Impact Factor: 2.612*
4. **Senthil Kumar.C**, Senthil Kumar.N & Eswari,M 2013,’Comparative study of conventional and matrix converter fed brushless dc motor drive’,Przeglad Elektrotechniczny, ISSN 0033-2097.R.89 NR 7/2013, pp.35-40. [Annexure-II, Sl.No.15727, Impact factor: 0.244].
5. Senthil Kumar, N & **Senthil Kumar, C** 2010,’Design and Implementation of adaptive fuzzy controller for speed control of brushless DC motors’, International Journal of Computer Applications, vol.1, no.27, pp. 36-41.

LIST OF PUBLICATIONS IN CONFERENCES

1. Rajkumar, M. Mahadevan, K. and **Ramesh, S.** “Application of NSGA-II to combined economic and emission dispatch problem”, ICETES-2010, Noorul Islam University, March 2010.
2. Rajkumar, M. Mahadevan, K. Kannan, S. and **Ramesh, S.** “A Non-dominated Sorting Genetic Algorithm-II technique for Environmental/ Economic Power Dispatch”, IEEE Conference on ICCCT-2010, Syed Ammal Engineering College, October 2010.
3. Rajkumar, M. Mahadevan, K. Kannan, S. and **Ramesh, S.** “Comparison and Application of NSGA-II to combined Economic Emission Dispatch with Non-smooth Fuel cost and Emission level Functions”, ICPES-2010, College of Engineering, Guindy Campus, Anna University, December 2010
4. **Ramesh, S.** Kannan, S. and Baskar, S. “Multi-objective Evolutionary Algorithm based Reactive Power Dispatch with Thyristor Controlled Series Compensator”, IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES) & Power India, New Delhi, DOI:10.1109/PEDES.2010.5712423, Dec. 20-23, pp. 1-7, 2010. Print ISBN: 978-1-4244-7782-1.
5. **S. Ramesh**, S. Kannan and S.Baskar, “Application of Modified NSGA-II Algorithm to Reactive Power Optimization, First International conference on Computer Science and Information Technology (CCSEIT-2011), Nagamalai, D., Renault, E. and Dhanushkodi M. Eds. CCIS 204, Springer-Verlag, Berlin Heidelberg, pp. 344–354, Sep 23-25, 2011, Organised by Manonmaniam Sundharanar University, Tirunelveli-627012, Tamilnadu, India.
6. **Senthil Kumar, C**, Senthil Kumar, N & Eswari, M 2011,’Design and simulation of three phase matrix converter for brushless DC motor’, Proceedings of the International Conference on Recent Advances in Electrical, Electronics and Control Engineering IConRAEecE-2011, Mepco Schlenk Engineering College, Sivakasi.
7. Krishnaveni, KS, Senthil Kumar, N, **Senthil Kumar, C**,’Closed loop speed control of BLDC motor with four switch drive’, Proceedings of the Fourth National Power Engineering Conference-NPEC-2013, Thiagarajar College of Engineering, Madurai.

8. Radhika, P, Senthil Kumar, N & **Senthil Kumar, C** 2013, 'Torque ripple minimization in BLDC motor using DC-DC Sepic converter', Proceedings of the Eight National Conference on Control of Electrical Power Apparatus NACCEPA 2K13, Government College of Engineering, Tirunelveli.
9. **S. Ramesh**, N.Deeban, N. Karthikeyan and V. Vivekanad, "Design of Wheel Chair Drive for disabled persons", NCICCA 2011, Kalasalingam University, 8th April 2011.
10. **S. Ramesh**, N. Valliammai, S. Chitra, "Automatic Anesthesia system", NCICCA 2011, Kalasalingam University, 8th April 2011.
11. M. Ajay Kumar, R. Ephraim Samuel, J. Natarajan and **S. Ramesh**, "Enhanced E – Wheel Chair Model For Physically Challenged", NCICCA 2012, Kalasalingam University, 5th April 2012.
12. V.Vijayageetha, **S.Ramesh**, "Multi-Objective Evolutionary Algorithm for the design of Robust PID Controller", NCICCA 2012, Kalasalingam University, 5th April 2012.
13. A.Divya vinoth raja, **S. Ramesh**, "System Identification And Controller Design For Juice Flow Process In Sugar Industry", NCICCA 2012, Kalasalingam University, 5th April 2012.
14. Murugaraj. C., Valarmathi. K., **Ramesh S**, "Shell & Tube Heat Exchangers Optimization Using Genetic Algorithm And Particle Swarm Optimization", National Conference 'Emerging Trends in Materials, Manufacturing and Design (ETMMD'13), organized by Department of Mechanical Engineering, Mepco Schlenk Engineering College, 7th and 8th May 2013.
15. **P.K.Kasirajan**, "Investigation Of Electrode Configuration Under Air Dielectric Medium", In The National Conference On "New And Renewable Energy "Held On 24th and 25th February 2012 at Einstein college of engineering ,Tirunelveli.
16. **Uma Vishnu Karthiga S.**, Vinod B., "ROS based object recognition systems for a humanoid robot", National Conference on "Recent trends in Electrical and Electronics Engineering" in PSG College of technology, Coimbatore, May 10, 2013
17. **R.Arana**, Mr.M.Senthil kumar International Conference in Emerging Trends on Electrical And Computer Technology (ICETECT-2011), IEEE Explore on the title "Adaptive Controller For Interactive Thermal Process", at st.Xavier Catholic college of Engineering, KanyaKumari with 978-1-4244-7925-2/11/\$26.00 ©2011 IEEE (Page No-291-296).
18. **R.Arana**, Mr.M.Senthil kumar, D.Babiyola "Intelligence Based And Model Based Controllers To The Interactive Thermal Process", International Conference in VLSI, Communication and Instrumentation (ICVCI-2011), Published in International Journal of Computer application, on the title at the Saintgits college of Engineering, Kottayam with ISBN: 978-93-80746-49-0.
19. **R.Arana**, Mr.M.Senthil kumar "Adaptive And Internal Model Controllers For Interactive Thermal Process", International Conference on Intelligent Science and Technology at the Sun college of Engineering, Kanyakumari
20. **R.Arana**, Mr.M.Senthil kumar "Implementation of Controller for MIMO Thermal Process" National Conference on Intelligent Computing Communication and Automation at Kalasalingam University, Krishnan Koil.
21. **S. Sivakumar**, Vanitha, Sujitha, Poornima, Finite Element Modelling for Electric field distribution in an Insulation. 2014 IEEE International conference on innovation in Engineering and Technology. 21st and 22nd March 2014. KLN College.

22. **R. Mahendran** , Seenivasan, Azhagarraj, National level conference in SCAD CET-EEE-ADVAYA dated 2012. Title: Design and implementation of single phase universal matrix converter for industrial application
23. **S. Divya**, National conference on “Simulation of Trichel Pulses in negative corona Discharge in air”, dated 2012, Einstein College of Engineering, Tirunelveli.
24. **S. Divya**, National conference on “FEM-FCT based Simulation of Trichel Pulses in negative corona Discharge in air”, Sardar Raja College of Engineering, Tirunelveli.
25. **P.S.Ramkumar**, M.Srinivasan “Performance Analysis of Non Linear Load using Robust Adaptive Control Strategy with Filters” International conference on ‘Emerging trends in engineering and technology’ (ICETET-2013) dated 21st and 22nd Feb, 2013, Marthandam College of Engineering and Technology, Kanyakumari .
26. **P.S.Ramkumar**, M.Srinivasan “Performance Analysis of Non Linear Load Using Robust Adaptive Control Strategy with Filters” International conference on ‘Innovative research in engineering and technology’ (iCIRET-2013) dated 3, 4 and 5 Jan 2013, Park College of Engineering and Technology, Coimbatore.
27. **P.S.Ramkumar**, M.Srinivasan “Robust Adaptive Control Strategy For Non Linear Load Analysis With Filters” PCID-2013, Bannari Amman Institute of Technology, Sathyamangalam.
28. **P.S.Ramkumar**, M.Srinivasan “Non Linear Load Using Robust Adaptive Control Strategy With Filters” National conference on ‘Emerging scenario in power engineering and electrical drives’ (eSPEED-2013) dated 7th Feb 2013, K.S.Rangasamy College of Technology, Tiruchengode.
29. **N.Ganesh** “Fault-Ride Through of a DFIG Wind Turbine using a Dynamic Voltage Restorer during symmetrical and asymmetrical grid faults” ICEECS – 2013, on 14th April 2013.

Sl. No.	Name of the faculty member	Monographs authored	Chapters authored in Books	Books edited	Books authored with ISBN
1.	Dr.S.Ramesh	-	2	-	-
2.	Mr.C.Senthil kumar	-	-	-	6

S.No.	Name of the Faculty	Title of the book / Chapters	Publisher and Year
1.	Dr.S.Ramesh	Application of an Improved Generalized Differential Evolution algorithm to multi-objective optimization problems. SEMCCO 2011, Part I, Lecture Notes in Computer Science (LNCS) 7076, pp. 77–84,	Springer-Verlag, Berlin Heidelberg

		2011.	
		Application of Modified NSGA-II Algorithm to Reactive Power Optimization, Nagamalai, D., Renault, E. and Dhanushkodi M. Eds. CCIS 204, , pp. 344–354, Sep 23-25, 2011	Springer-Verlag, Berlin Heidelberg
2.	Mr. C. Senthil Kumar	Circuit Theory	Anuradha Publications Revised Edition 2011
		Electrical Engineering	Anuradha Publications Revised Edition 2011
		Measurements and Instrumentation	Anuradha Publications Revised Edition 2011
		Electrical Machines – I	Anuradha Publications Revised Edition 2011
		Electrical Machines – II	Anuradha Publications Revised Edition 2011
		Electric Circuits and Electron Devices	Anuradha Publications Revised Edition 2011
		Basic Electrical and Electronics Engineering	Anuradha Publications Revised Edition 2011

15. Details of patents and income generated Nil

16. Areas of consultancy and income generated Nil

17. Faculty recharging strategies

Recharged by attending/organising conferences, workshops, short term courses Guiding/Supervising U.G, P.G /Ph.D students executing sponsored projects and consultancy

S.No	Name	Conference	Workshop	Short Term Courses	Seminar
1.	Dr. S.Ramesh	16	1	2	3
2.	Mr. C. Senthil Kumar	2	2	-	2
3.	Mr. S. Ramaswami	-	-	-	-
4.	Mr. R. Mahendran	3	2	2	-
5.	Mr.T. Balasubramanian	-	1	1	-
6.	Mr. S. Sivakumar	2	1	2	-
7.	Mrs. S. Krishnaveni	-	-	-	-

8.	Ms. R. Banumathi	2	2	2	2
9.	Mr. P.K. Kasirajan	1	1	2	4
10.	Ms. S. Divya	2	2	1	1
11.	Mrs.R.Aruna	-	-	-	-
12.	Mr.L.Seenivasagam	2	7	2	2
13.	Ms.S.Latha	1	2	2	-
14.	Mr.N.Ganesh	2	1	2	-
15.	Mr.P.S.Ramkumar	4	2	3	-
16.	Ms. Uma Vishnu Karthiga	1	3	-	-

18. Student projects

Percentage of students who have done in-house projects including inter-departmental percentage of students doing projects in collaboration with industries / institutes

Sl. No	Name of the Programme	Year	% of students who have done in-house projects including inter-departmental	% of students doing projects in collaboration with industries / institutes
1.	B.E (Electrical and Electronics Engineering)	2009 - 2010	100%	-
		2010 - 2011	100%	-
		2011 - 2012	1000%	-
		2012 - 2013	100%	-

19. Awards / recognitions received at the National and International level by

Sl. No	Name of the Faculty Member	Awards /recognition received International / National
1.	Dr. S.Ramesh	Reviewer in , Applied Soft Computing(Elsevier), Electric Power and Energy Systems(Elsevier), Electric Power Components and System(Taylor &Francis), Engineering Optimization (Taylor &Francis). Supervisor Recognition in Anna University Chennai

- Doctoral / post doctoral fellows -
- Students

Sl. No	Name of the student	Awards /recognition received
		Natonal/International
1.	Mr. N.Sivasankar (2013)	GATE score :545 GRE score :312.5 scaled score TOFEL :102 out of 120

University Rank Holders:

Sl. No	Name of the Student	Name of the University	Rank	Year
1	Ms.K.S .Krishnaveni (BE/EEE)	Anna University of Technology, Tirunelveli	3	2011
2	Ms.R.Vijayaloganayagi (BE/EEE)	Anna University of Technology, Tirunelveli	30	2012
3	Mr.K.Jeyadharsan (BE/EEE)	Anna University, Chennai.	37	2013
4	Ms.J.Fulna kanaga (BE/EEE)	Anna University, Chennai.	45	2013

PROJECT:

Sl. No	Name of the Student	Name of the Project	Name of the Organisation	Year
1	Mr. N.Sivasankar, Mr.M.Dinesh Pandian II year EEE.	Automaic Irrigation Motor Control	Villgro Young innovator competition, IIT MADRAS	2010
2	Mr.S.Karthick Sriram IV year(2010) EEE	Solar Based Agri Pumps	1st Prize from TNSCST	2010

20. Seminars/ Conferences/Workshops organized and the source of funding (National /International) with details of outstanding participants, if any.

Sl. No	Name of the seminar / conference / workshop organised		Title	Source of funding	Date	Experts	No. of Participants
	National	International					
1	National Conference	-	Emerging Trends in Power Engineering	DRDO (Rs. 30,000/-)	26.03.2010 - 27.03.2010	Dr.V.Subbiah Bharathi Ph.D, D.M.I.College of Engineering, Dr.P.Venkatesh Ph.D., Thiagarajar College of Engineering	20
2	Project contest	-	Villgro – My Idea Programme – Hardspot’ 10	VIT, Vellore. (Rs. 10,000/-)	13-10-10	Mr. G. Mohansundaram, HR – Head, Suzlon infrastructures services Ltd., Ukkirankottai	100
2	Faculty Development Programme	-	Solid State Drives	Anna University Chennai (Rs.90,000/-)	16.12.2013 - 23.12.2013	Dr.J.Karthikeyan, VCET,Madurai Dr.M.Saravanan, TCE,Madurai Dr.S.Senthilkumar NIT,Trichy Dr.C.Ponmani, GCE,Tirunelveli Dr.L.Jessisahayashanthi, TCE,Madurai	25

21. Student profile course-wise:

Name of the Course	Applications received	Batch	Selected		Pass percentage	
			Male	Female	Male	Female
Under Graduate	-	2006 - 2010	39	27	66.66	100
		2007 - 2011	48	16	79.11	87.5
		2008 - 2012	46	13	71.15	92.3

		2009 - 2013	46	19	80.43	84.21

22. Diversity of students

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.E in Electrical & Electronics Engineering	Not Applicable	99.02% (204/206)	0.9% (2/206)	--
M.E in Power Electronics & Drives	26.67% (4/15)	100%	--	--

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Sl. No.	Batch	GATE
1	2011	0
2	2012	2
3	2013	3

24. Student progression

Student progression			
	2010-2011	2011-2012	2012-2013
UG to PG	15.3%(10/65)	18.4% (12/65)	15.3% (10/65)
PG to M.Phil.	NA	NA	NA
PG to Ph.D.	NA	NA	NA
Ph.D. to Post-Doctoral	NA	NA	NA
Employed			
• Campus selection	9.23% (6/65)	23.07%(15/65)	41.53% (27/65)
• Other than campus recruitment			
Entrepreneurs	--	--	--

25. Diversity of staff

Percentage of faculty who are graduates	U.G	P.G	Ph.d.
of the same parent university	31.25 % (5/16)	93.75% (15/16)	6.25%(1/16)
from other universities within the State	68.75 % (11/16)	6.25% (1/16)	0%
from other universities from other States	0%	0%	0%

26. Number of faculty who were awarded Ph.D. during the assessment Period.

Sl.No	Name of the Faculty	University	Awarded Year
	-	-	-

27. Present details about infrastructural facilities

- a) Library
- b) Internet facilities for staff and students
- c) Total number of class rooms Class rooms with ICT facility
- d) Students' laboratories
- e) Research laboratories

Sl. No.	Name of the Infrastructural Facility	Quantity / Details
1	Library	Books - 480 National & International Journals - E-Journals - 2
2	Internet for staff	No. of computers - 08 28 MBps(1:1) WIFI & Internet Connectivity
3	Internet for students	No. of computers - 55 WIFI, Internet Connectivity
4	Number of class rooms	4 UG Class rooms(72 Seats) 2 PG Class rooms (18 seats)
5	Classrooms with ICT facility	Computer centre equipped with internet facility and also LCD projector arrangements (170 Seats)

		Name of the Lab	Major Equipment
6	Student laboratories	Electrical Machines Lab	DC motor generator set Salient pole & Cylindrical pole alternator
		Applied Electronics Lab	Embedded Developer and Programming kit, Digital Signal Processing kit, FPGA based Power Electronics Drives
		Control and Instrumentation Lab	LVDT, Digital IC Trainers, Control system laboratory Equipments
		Computer Lab	With 65 computers including, 1server, 4printers, 2LCD multimedia projector
		Electrical Workshop	-
7	Research Labs	-	

28. Number of students of the department getting financial assistance from College.

No. of Students who received financial assistance from college

- Every year one student is selected from I year for this scholarship and financial assistance will be provided to the student for a period of 4 years.

29. Was any need assessment exercise undertaken before the Development of new program(s)? If so, give the methodology.

Single window counseling Based on the demand of the programme, Considering the suggestions given by the stakeholders, Discussion with the management, Director, Principal, Deans & HODs.

30. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Feedback is collected from the faculty during the preparation of the curriculum & in teaching-learning evaluation. Their feedback is placed before the Board of Studies of EEE Department and suitable changes are made to the curriculum and the teaching-learning evaluation.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Student feedback about the faculty is taken every semester through a 10 point questionnaire and it is evaluated by the HOD. In case of poor feedback about any

faculty, the faculty is advised to overcome the drawbacks. It is a continuous process.

c. Alumni and employers on the programmes and what is the response of the department to the same?

Feedback is also collected from the alumni and employers every year for the progress of the department and student quality. Based on their inputs appropriate changes are made to meet out the department's objectives.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name of Alumni	Year of study	Designation	Address
1.	M.Maheswaran	2005	Assistant engineer	TANGEDCO, Sathiyamankalam
2.	R.R Ganesh	2011	Assistant engineer	TANGEDCO, Mettur
3.	K.Gopalsamy	2005	Team leader	CISCO, Chennai
4.	M.Muthukarthikeyan	2008	Project Engineer	Kalpataru Power Transmission Ltd., Nashik, Maharastra
5.	T.Santiago Arockiam	2008	Commissioning Engineer	DF Power system pvt Ltd., Bangalore
6.	R.Parthiban	2008	Senior Analyst	HCL connect Ltd, Chennai
7.	R.Perumalsamy	2008	Automation Engineer	Macro integration PVT Ltd., Singapore
8.	N.Natarajan	2008	Electrical Engineer	ABB Industries, LLC, UAE

32. Give details of student enrichment programmes (special lectures /workshops / Seminar) with external experts.

S.No	Title of the programme	Guest	Date
Conference/symposium			
1.	National level technical symposium "TECHNOMANIA-11"	Dr.B.V.Manikandan, Mepco Schlenk Engineering College, Sivakasi.	04/03/2011
Workshop			
2.	National Franchisee Traininig Programme	Er.Sophia, Senior Manager,	23/06/11 to

		Transmission and Distribution Training Institute, TANGEDCO, Madurai.	25/06/11
3.	Embedded Systems and VLSI	C.Chellamuthu, Pantech Solutions, Madurai	03/09/11
4.	Electrical Design Software	Corporate Executives from CADD Centre, Sivakasi.	11/02/12
5.	Familiarization Programme on Thermal Power Plant	R.Ramar, Assistant Director, National Power Training Institute Neyveli.	08/07/13 & 09/07/13
6.	HARD SPOT - 14	Dr. K. Valarmathi Dr. Ranjith kumar P.S.R Engg college, Sivakasi	31/01/13
Guest Lecture/seminar			
7.	Power Plant Engineering	Er.S.Rajagopal Deputy General Manager Kahatharia Power Plant Tuticorin	07/02/11
8.	Special Electrical Machines	Dr.S.P.Natarajan, Annamalai University, Annamalai Nagar.	26/09/12
9.	FACTS Controller	Dr.B.V.Manikandan, Mepco Schlenk Engineering College, Sivakasi.	28/02/12
10.	Recent Trends in Embedded Systems	Mr.M.Rajesh, Realtime Technosoft, Chennai.	25/08/12
11.	Special Electrical Machines	Dr.J.Karthikeyan, Velammal Engineering College, Madurai.	21/09/13

33. List the teaching methods adopted by the faculty for different programmes.

Lecture by Chalk and Talk

Lecture with a quiz / questions

Tutorial

Demonstration (Such as model, laboratory, field visit)

Group Discussion

Group Assignment/ Project

Presentations

Through Learn on line - **Moodle** is in use to perform various activities like group assignments / group projects and to share the materials.

e-content through national and international portals such as:

NPTEL <http://nptel.iitm.ac.in>

MIT Open Courseware <http://ocw.mit.edu/index.htm>

www.eeeuniversity.com

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Bi-weekly test for all the theory courses is conducted by the department. Internal Assessment Tests (3 Nos. / Semester) are conducted by the examination cell. The performance is analyzed in the class committee meeting. The class committee is constituted by the regulations of the Anna University. The class committee is having the following members:

- a. A senior faculty member as chair person,
- b. Student members (selective students from top, middle and bottom level),
- c. Subjects handling staff,
- d. Class advisors

The difficulties faced by the student and staff are discussed in the class committee and the same is forwarded to Head of the Department and Principal for necessary action.

For project work, regular reviews (3 Nos.) are conducted by the department.

35. Highlight the participation of students and faculty in extension activities.

- Students:
 - Participation in inter and intra college symposiums, paper presentations.

Academic Year	Name of the Student	Event	Prize	Organizer
(2012-13)	K. Vairamuthu K. Balaji M. Karthikeyan	National Level Technical Symposium	I	Park College of Engineering and Technology, Coimbatore.
	Karthikeyan.M	National Level Technical Symposium	-	Park College of Engineering and Technology, Coimbatore.
	Janani @ Gayathri.J	National Level Technical Symposium	-	Einstein College of Engineering, Tirunelveli.
	Shanamuga Devi.G	National Level Technical Symposium	-	Einstein College of Engineering, Tirunelveli.

	Fulna Kanaga.J	National Level Technical Symposium	-	P.T.R.College of Engineering and Technology, Madurai.
	Ashwini.G	National Level Technical Symposium	-	P.T.R.College of Engineering and Technology, Madurai.
	Gowtham.C	National Technical Symposium	-	REC Renganathan Engineering College, Coimbatore.
	John Solomon.J	National Technical Symposium	I	REC Renganathan Engineering College, Coimbatore.
	Sridhar.C	Technical Symposium	-	P.S.R. Engineering College, Sivakasi
(2011-12)	Ganesa Moorthy. K	Workshop	-	K.S.R. college of Engineering, Tiruchengode
	Seenivasan. V	Workshop	-	K.S.R. college of Engineering, Tiruchengode
	Suresh. B	Workshop	-	K.S.R. college of Engineering, Tiruchengode
	Janani @ Gayathri. J	Workshop	-	Mepco Schlenk Engineering College, Sivakasi
	Soubaraj. J	Paper Persentation	-	Kalasalingam Institute of Technology, KrishnanKoi
	Mathiyalagan. M	Quiz	I	Sree Sowdambika College of Engineering, Aruppukotti
	Mathiyalagan. M	Paper Presentation	-	Sree Sowdambika College of Engineering, Aruppukotti
	Seenivasan. V	Circuit Debugging	-	Sree Sowdambika College of Engineering, Aruppukotti
	Seenivasan. V	Paper Presentation	-	Sree Sowdambika College of Engineering, Aruppukotti
	Seenivasan. V	Paper Presentation	II	Nandha College of Engineering, Erode
	Seenivasan. V	Multimedia Presentation	I	Nandha College of Engineering, Erode
	Seenivasan. V	Paper Presentation	II	Nandha College of Engineering, Erode
	Mathiyalagan. M	Paper Presentation	-	Annai Valankanni College of Engineering, Kanyakumari
	Mathiyalagan. M	Paper Presentation	II	Nandha College of Engineering, Erode
	Mathiyalagan. M	Multimedia Presentation	I	Nandha College of Engineering, Erode

	Venkatesh Kumar. V	Paper Presentation	-	Annai Valankanni College of Engineering, Kanyakumari
	Saranya. R	Workshop	-	Arunachala College of Engineering for women, Kanyakumari
	Vijaya Loganayaki. R	Workshop	-	Arunachala College of Engineering for women, Kanyakumari
	Saranya.B	Workshop on Embedded Solution	-	K.S. Rangasamy College of Technology, Tiruchengode
	Preethi Loganayaki. V	Workshop on Embedded Solution	-	K.S. Rangasamy College of Technology, Tiruchengode
	Mahesh Krishna Kumar. M	Paper Presentation	-	Sri Sivasubramaniya Nadar College of Engineering, Chennai
	Seenivasan. V	Paper Presentation	-	Sri Sivasubramaniya Nadar College of Engineering, Chennai
	Arumuga Selvan. D	Paper Presentation	I	Mohamed Sathak Engineering College, Kilakarai
	Venkatesh Kumar. V	Paper Presentation	II	Karpagam College of Engineering, Coimbatore
	Mathiyalagan. M	Paper Presentation	II	Karpagam College of Engineering, Coimbatore
	Arumuga Selvan. D	Paper Presentation	-	St. Joseph College of Engineering, Chennai
	Arumuga Selvan. D	Paper Presentation	-	PSNA College of Engineering and Technology,
	Vinoth Kumar. J	Paper Presentation	I	PSNA College of Engineering and Technology, Dindigul
	Syed Mohamed Kasim.	Paper Presentation	-	Syed Ammal Engineering College, Ramanathapuram
	Mahalingam. B	Paper Presentation	-	Syed Ammal Engineering College, Ramanathapuram
	Vigneshwaran. B	Project Presentation	-	Coimbatore Institute of Technology, Coimbatore
	Krishna Veni. K.S.	Paper Presentation	-	CSI Institute of Technology, Thovalai
	Palaniammal. S	Paper Presentation	-	CSI Institute of Technology, Thovalai
	Bruno. X	Project Design Competition	I	FX Engineering College, Tirunelveli

(2010-11)	Kalyana Sundaram. M.S.	Paper Presentation	-	Bannari Amman Institute of Technology, Sathyamangalam
	Kunthavai. M	Paper Presentation	-	Noorul Islam College of Engineering, Nagercoil
	Ganesh. R. R	Project Exhibition	-	PET Engineering College, Vallioor
	Mohamed Deenool	Paper Presentation	-	Mepco Schlenk Engineering College, Sivakasi
	Syed Mohamed Kasim.	Paper Presentation	-	Mepco Schlenk Engineering College, Sivakasi
	Preethi Loganayagi. V	Project Design Competition	II	Sun College of Engineering and Technology, Nagercoil
	Vijaya Loganayaki. R	Paper Presentation	-	Sethu Institute of Technology, Madurai
	Saranya. R	Paper Presentation	-	Sethu Institute of Technology, Madurai
	Karthick. M	Mini Project Competition	-	Raja Engineering College, Madurai
	Riju. K. Varghese	Paper Presentation	-	National Engineering College, Kovilpatti
	Ramar. K	Project Presentation	-	National Engineering College, Kovilpatti
	Suchitra. T	Paper Presentation	II	Kamaraj College of Engg. & Tech., Virudhunagar
	Anitha Swarnam. R	Paper Presentation	-	Kamaraj College of Engg. & Tech., Virudhunagar
	Gopikrishnan. R	Project Competition	-	Dr. Sivanthi Adithanar Engineering College, Tiruchendur
	Ramasamy. R	Project Competition	II	Dr. Sivanthi Adithanar Engineering College, Tiruchendur
	Siva Sankar. N	Paper Presentation	-	Odaiyappa College of Engineering and Technology, Theni
	Pitchaiandi. R	Paper Presentation	-	Odaiyappa College of Engineering and Technology, Theni
	Fulna Kanaga. J	Paper Presentation	-	RVS Engineering College, Dindigul
	Shunmuga Priya. R	Paper Presentation	-	RVS Engineering College, Dindigul
	Rajeswaran. V	Project Competition	-	PSNA Engineering College, Dindigul
	Jayadarshan. K	Project Competition	-	PSNA Engineering College, Dindigul

- Faculty:

- Present technical papers in international / national conferences / seminars

List given in Question No: 14

- Publish technical papers in reputed journals

List given in Question No: 14

- Conducting the faculty development programs

S.No	Title of FDP	Source of Funding	Date	No. of participants
1	Solid state drives	Anna University, Chennai	16.12.2013 - 23.12.2013	26

- Delivering lecture in faculty development programs

S.No	Name of the faculty	Title of FDP	Organized by	Date
1.	Dr. S.Ramesh	Neural Networks and Fuzzy logic control	Kalasalingam University, Krishnankovil	26 th June 2012.
		Soft Computing Techniques	Sardar Raja College of Engineering, Alangulam, Tirunelveli	18 th September 2012.
		Soft Computing Techniques for Electrical Engineers (Genetic Algorithm)	Einstein College of Engineering, Tirunelveli.	7 th February 2014.
2.	Mr.C.Senthil Kumar	Judge for Symposium	Odayappa Engineering College and Technology, Theni	24 th February 2010
		Energy Conservation	TamilNadu Electricity Board	December 2012
		Judge for Conference	PSRR Engineering College for women, Sivakasi	April 2012
		Motivational Speech for +1 & +2 Students	P.K.N.Girls Higher secondary school, Thirumangalam.	4 th August 2013
3.	Mr.R.Mahendran	Judge for Symposium	Sri Vidhya College of Engineering and Technology	April 2012

○ Taking responsibilities on administrative activities

S.No	Name of the Faculty	Administrative Responsibilities
1.	Dr. S.Ramesh	• Head of the department • Time Table cell in charge • Member – Academic Council • Co-ordinator Industry Institution Interaction cell • Chairman of Board of Studies
2.	Mr. C. Senthil Kumar	• Member- Board of Management • In charge - Electrical Maintenance cell • Member of Board of Studies
3.	Mr. R. Mahendran	• Vice-President of Alumni Association • Member of Board of Studies
4.	Mr.T. Balasubramanian	• Member- Industry Institution Interaction cell • Member of Board of Studies
5.	Mr. S. Sivakumar	• Staff in charge- Electrical Maintenance cell • Member of Board of Studies
6.	Ms. R. Banumathi	• Member- Institution of engineers (India) chapter • Member of Board of Studies
7.	Mr.L.Seenivasagam	• Member- ISTE Staff chapter • Member of Board of Studies
8.	Mr.N.Ganesh	• Member- Electrical Maintenance cell • Member of Board of Studies

36. Give details of “beyond syllabus scholarly activities” of the department.

- The department is having a laboratory named “Laboratory beyond the curriculum” with the following items:
 - motor models
 - Winding study motor
 - Projects done by students
- Regular industrial visits
- In-plant training by students during semester holidays
- Special Coaching classes for BEC examination
- Guest lecturers from eminent persons in Industry and Academia.
- Encouraging the students to participate project contest, paper presentation etc.,
- Software courses like MATLAB, PSIM, and LABVIEW taken for college students.

- Inter department competition conducted for project presentation.

37. State whether the programme/ department is accredited/ graded by other agencies.

Give details.

- Yes. certified with **ISO 9001:2008** by **Germanischer Lloyd**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

- **Strength:**
 - Excellent infrastructure
 - Adequate laboratory and library facilities
 - Qualified faculty members University Rank holders
 - Excellent staff student ratio
 - Excellent student intake
 - Motivate to do research
 - Value added programmes for students & Staff
- **Weakness:**
 - Research centre recognition
 - Consultancy services to pick up
 - Patents
 - Less number of Ph.D. faculty
 - Average level of communication skills
- **Opportunities:**
 - Supportive management
 - Modernization in teaching learning process
 - Student's involvement in many co-curricular and extra-curricular activities
 - Soft skill training / Placement training programmes
 - Continuous improvement process for developing students knowledge
 - Prospective students
 - Excellent educational atmosphere
- **Challenges:**
 - Institute Industry interaction
 - Train the Students with latest technological background
 - More number of students from rural area
 - Internship
 - Funded projects

39. Future plans of the department.

- Recognized Research centre of Anna University, chennai
- To introduce B.E. Electrical & Electronics Engineering(Sandwich)
- To modify as self sustained department in energy
- To organize international conference
- Modernization of Laboratories to enhance the consultancy
- Funded projects

Department of Electronics and Communication Engineering

1. Name of the Department & its year of establishment

Name of the department : **Department of Electronics and Communication Engineering**
 Year of establishment : **1999**

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Names of Programmes / Courses offered	Description
B.E in ELECTRONICS AND COMMUNICATION ENGINEERING	- Started with 60 Seats in the year 1999 - Intake increased to 90 seats in the year 2000 - Intake increased to 120 seats in the year 2001
M.E in APPLIED ELECTRONICS	Started with 18 seats in the year 2012

3. Interdisciplinary courses and departments involved

S.No	Name of the course	Name of the department	Semester
1.	Computing fundamentals and 'C' programming	Computer Science Engineering	I
2.	Computer Practice Laboratory - I	Computer Science Engineering	I
3.	Data Structures and C++	Computer Science Engineering	III
4.	Data structures and C++ Lab	Computer Science Engineering	III
5.	Electrical Engineering	Electrical and Electronics Engineering	III
6.	Electrical Engineering Lab	Electrical and Electronics Engineering	IV
7.	Environmental Science and Engineering	Chemistry	V
8.	Database Management Systems	Master of Business Administration	VI (Elective)
9.	Professional Ethics	Master of Business Administration	VII (Elective)
10.	Software Engineering	Computer Science Engineering	VII (Elective)
11.	Total Quality Management	Master of Business Administration	VIII (Elective)
12.	Power Electronics	Electrical and Electronics Engineering	VIII (Elective)

4. Annual/ semester/choice based credit system :

Semester based credit system

5. Participation of the department in the courses offered by other departments

S.No	Name of the course	Name of the department	Semester
1.	Digital Principles and System Design	Computer Science Engineering	III
		Information Technology	
2.	Analog and Digital Communication	Computer Science Engineering	III
3.	Electronics and Microprocessor	Mechanical Engineering	IV
4.	Communication Engineering	Electrical and Electronics Engineering	V
5.	Digital Signal Processing	Computer Science Engineering	V
		Information Technology	
6.	Microprocessors and Microcontrollers	Computer Science Engineering	VI
		Information Technology	
7.	Embedded Systems	Information Technology	VI

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	2	2
Associate Professors	5	5
Asst. Professors	19	19

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.)

Sl. No.	Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D students guided in the last 4 years
1.	Dr.P.Marichamy	Professor and HOD	Ph.D	Mobile Communication	26Y and 6M	5
			M.E	Communication Systems		
			B.E	ECE		
2.	Dr. K.Valarmathi	Professor	Ph.D	Process Control	19 Y	8
			M.E	Instrumentation and Control		
			B.E	ECE		

3.	Dr.P.Ranjith kumar	Asso.Professor	Ph.D	Embedded Systems	7Y and 5M	
			M.E	Embedded systems		
			B.E	ECE		
4.	Mr.C.K.Ramar	Asso Professor	Pursuing Ph.D	Wireless Communication	15Y and 6M	
			M.E	Communication Systems		
			B.E	ECE		
5.	Mrs.R.Meena Prakash	Asso Professor	Pursuing Ph.D	Image Processing	14Y and 1M	
			M.E	Digital Communication Networking		
			B.E	ECE		
6.	Mr.S.Balasubramanian	Asso Professor	Pursuing Ph.D	Biomedical Engineering	15Y and 1M	
			M.E	Medical Electronics		
			B.E	ECE		
7.	Ms.K.Ramalakshmi	Asso Professor	Pursuing Ph.D	Image Processing	5Y and 7M	
			M.E	Communication Systems		
			B.E	ECE		
8.	Mrs.J.Meena	Asst. Professor	M.E	Digital Communication Networking	8Y and 1M	
			B.E	ECE		
9.	Mr.S.Athimoolam	Asst. Professor	M.E	Communication Systems	23Y and 6M	
			B.E	ECE		
10.	Mr.C.Shanmuga raja	Asst. Professor	M.E	Computers and Communication	9Y and 5M	
			B.E	ECE		
11.	Mr.G.Lingasamy	Asst. Professor	M.E	Applied Electronics	16Y and 8M	
			B.E	ECE		
12.	Mr.R.ArunKumar	Asst. Professor	M.E	Computers and Communication	4Y and 11M	
			B.E	Computer Science		
13.	Mr.N.S.Yoga Ananth	Asst. Professor	M.E	Communication Systems	4Y	
			B.E	ECE		

14.	Mrs.K.Kalaivani	Asst. Professor	M.E	Power Electronics & Drives	4Y and 3M	
			B.E	ECE		
15.	Mrs.V.Kumutha	Asst. Professor	M.E	Communication Systems	2Y and 6M	
			B.E	ECE		
16.	Ms.S.Soniya	Asst. Professor	M.E	Applied Electronics	2Y and 6M	
			B.E	ECE		
17.	Mrs.P.A.Mathina	Asst. Professor	M.Tech	Digital Communication Networking	7Y and 6M	
			B.E	ECE		
18.	Mrs.P.Lingeswari	Asst. Professor	M.E	Communication Systems	2Y and 8M	
			B.E	ECE		
19.	Mrs.D.Venkateshwari	Asst. Professor	M.Tech	Embedded systems	1Y and 7M	
			B.E	ECE		
20.	Ms.M.Vijaya gandhi	Asst. Professor	M.Tech	Digital Communication Networking	2Y and 6M	
			B.E	ECE		
21.	Mrs.P.Banumathi	Asst. Professor	M.E	Communication Systems	1Y and 7M	
			B.E	ECE		
22.	Ms.N.Krishna praba	Asst. Professor	M.E	Communication Systems	1Y and 7M	
			B.E	ECE		
23.	Mrs.A.Selvamani	Asst. Professor	M.E	Communication Systems	1Y and 6M	
			B.E	ECE		
24.	Mr.N.Rajesh	Asst. Professor	M.E	Embedded systems	8M	
			B.E	ECE		
25.	Mr.S.Janakiraman	Asst. Professor	M.E	Control and Instrumentation	8M	
			B.E	ECE		
26.	Ms. Sudha	Asst. Professor	M.Tech	Communication Systems	8M	
			B.E	ECE		

8. Percentage of classes taken by temporary faculty – programme-wise information

Nil

9. Programme-wise Student Teacher Ratio

S.NO	Programme	Student Teacher Ratio
1.	B.E. Electronics and Communication Engineering	15:1
2.	M.E Applied Electronics	12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Support Staff	Sanctioned	Filled
Technician	7	7
Office Assistant	2	2

S.No	Name of the Support Staff	Qualification	Designation	Laboratory	Experience
1.	Mr. C.N.Muthukumar	DECE	Lab Technician	Microprocessor Lab	12 Years
2.	Mrs. R.Latha	DECE	Lab Technician	System Design Lab	8 Years
3.	Mr.L.Shenbagaraj	B.Sc	Lab Technician	VLSI Lab	6 Years
4.	Mr.C.Karikolraj	DECE	Lab Technician	DSP & Networks Lab	4 Years 6 Months
5.	Mr.V. Ponmeenakhi sundaram	DECE	Lab Technician	Digital Electronics and Microwave Lab	13 Years
6.	Ms.Ramalakhmi	DECE	Lab Technician	Electronics Lab.	1 Year 6 Months
7.	Mr. G.Paulraj	DIT	Lab Technician	Communication Skills Lab	2 Years
8.	Mrs.K.Selvi	DCT.Ed	Office Assistant	Office Assistant	6 Years
9.	Mr. S.Saravana kumar	SSLC	Office Assistant	Office Assistant	13 Years

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

Nil

13. Research facility / centre with

- state recognition
- national recognition
- international recognition

Nil

14. Publications:

* number of papers published in peer reviewed journals (national / international)

S. No	Academic Year	Total No. of International/ National Journals Published
1.	2014	4
2.	2013	3
3.	2012	8
4.	2011	2
5.	2010	2

1. Ramani.A, **Marichamy.P**, “Throughput Improvement with Decode-Forward and Compress-Forward Channels”, International Journal of Advanced Research in Computer Science and Technology (IJARCST), Vol.2, Issue Special-1 No.21, pp. 263-266, Jan-March 2014.
2. Sangeetha.P, **Marichamy.P**, Guruprakash.B, “Performance of Multi-flow Wireless Multimedia Transmissions”, International Journal of Advanced Research in Computer Science and Technology (IJARCST), Vol.2, Issue Special-1 No.21, pp. 190-195, Jan-March 2014.
3. Sangeetha.P, **Marichamy.P**, Guruprakash.B, “A Competent Concurrent Multi-flow Wireless Multimedia Transmissions”, International Journal of Advanced Information Science and Technology (IJAIST), Vol.21, No.21, pp. 63-68, January 2014.
4. Petchinathan, G., **Valarmathi, K.** Devaraj, D. and Radhakrishnan, T.K., ‘Local Linear Model Tree and Neuro-Fuzzy System for Modelling and Control of Experimental pH Neutralization Process’, Brazilian Journal of Chemical Engineering, 2014 (accepted), **Impact factor 0.571..**
5. **P.Ranjithkumar** and S.Palani, “Energy Consumption and Schedule Length minimization of Multiprocessor Systems using Genetic Algorithm” International Journal of Business Information Systems, Inderscience Publications, Switzerland, Vol.14, No. 1, pp. 21-40, 2013.

6. Asan,K., **Valarmathi, K.** Devaraj, D. and Radhakrishnan, T.K., ‘Real-coded Genetic Algorithm for system identification and tuning of a modified Model Reference Adaptive Controller for a hybrid tank system’, *Applied Mathematical Modelling*, Elsevier Science, Vol.37, pp. 3829–3847, 2013, **Impact factor 1.579**
7. **C.K.Ramar** and C.Roobasounder “A Survey on Data Aggregation Techniques in Wireless Sensor Network” in *International Journal on Research Engineering and Advanced Technology(IJREAT)* Volume1, issue 5 Oct-Nov-2013.
8. **P.Ranjithkumar** and S.Palani, “An Efficient Energy and Schedule Length Model for Multiprocessor Computers” *International Journal of Computer Applications in Technology*, Inderscience Publications, Switzerland, Vol.44, No. 2, pp. 217-225, 2012.
9. **P.Ranjithkumar** and S.Palani, “An Optimal Energy and Power Model for Dynamic Voltage Scaled Multiprocessor Systems” *International Journal of Business Information Systems*, Inderscience Publications, Switzerland, Vol.11, No.4, pp. 461-477, 2012.
10. S. Priya, T. Ashok kumar, Varghese Paul and **P. Marichamy**, “Localization of Defects in Fabric Imagery Using Contrast Limited Adaptive Histogram Equalization and Mathematical Morphology”, *CiiT International Journal of Digital Image Processing*, Vol.4, No.14, pp.776-781, August 2012.
11. S.Paraneetharan and **P.Ranjithkumar**, “Architectural Leakage Power Minimization of Scratchpad Memories” *International Journal of Electronics and Computer science Engineering*, Vol.1, No.2, pp. 544–549, 2012.
12. **P.Lingeswari**, K.J.Prasasanna Venkatesan and K. Vijayanagan “Comparison primary transmitter detection based spectrum sensing techniques in cognitive radio systems”, *CIIT journal* June 2012 Publications.
13. **N.Krishnapraba** and S.Tamilselvi “VLSI Architecture of IDMA for wireless communication systems” *International journal of computer application and information Technology*, volume 1 , Issue 3, Nov 2012.
14. **P.Lingeswari** , K.J.Prasasanna Venkatesan and K. Vijayanagan “Legacy user detection in OFDM based cognitive radio”, *international journal on computer and application*, Pg No: 23 to 26,2012.
15. Karthik, C., **Valarmathi, K.**, Rajalakshmi, M., ‘Nonlinear Modeling of Moisture Control of Drying Process in Paper Machine’, *Procedia Engineering*, vol. 38 2012. pp. 1104-1111, ISSN: 1877-7058 DOI: 10.1016/j.proeng.2012.06.139, Elsevier Science.

16. **Valarmathi, K.** Kanmani, J. Devaraj, D. and Radhakrishnan, T.K., ‘Swarm intelligence based system identification and controller tuning’, Int. J. Computer Aided Engineering and Technology, Vol. 3, Nos. 5/6, pp. 443-457, 2011.
17. **R.Meenaprakash** and R.Shantha Selva Kumari “A Survey on methods of fully automated MR brain image segmentation” International Journal of Neural Networks and Applications, ISSN: 0974-6048, volume.4, Number 1, January – June 2011, pp.13-18.
18. T.Senthil and **P.Ranjithkumar**, “Schedulability analysis for Real time systems using QPA Algorithm” International Journal of Electronics and Telecommunication Engineering, Vol.3, No.1, pp. 36-40,2010.
19. **Valarmathi, K.** Devaraj, D. and Radhakrishnan, T.K., ‘Cascaded Genetic algorithm for system identification and Controller tuning in pH Process’, International Journal of Information , intelligent and Knowledge, Vol. 2, Issue 2, pp 91-108, 2010.

* **number of papers presented in conferences (international)**

S. No	Academic Year	Total No. of International Conferences Published
1.	2014	18
2.	2013	9
3.	2012	8
4.	2011	6
5.	2010	1

1. **R.Meenaprakash** and R.Santha selvakumari “ Non sampled counturlet trasnsform based expectation maximization method with adaptive mean shift for MR brain segmentaion” International conference on ICCET, Feb 13-14, 2014.
2. K.Anandan and **N.S.Yogananthan**, “Optimization of Dynamic Power and Speed by Trade off Filter Performance”, International Conference on Information, Communication and Embedded Systems 2014.
3. J.Arjun sankar and **C.K.Ramar**, “Hybrid Location Based Forward Routing in MANETs”, International Conference on Global Innovations and Computing Technologies, ICGICT 2014.

4. P.Balasubramanian and **P.Marichamy**, “Green Wireless Network using Downlink Transmission”, International Conference on Competency Building Strategies in Business and Technology for Sustainable Development 2014.
5. A.R.Devi and **R.Arun Kumar**, “Throughput Maximization Scheduling With Non-Stationary Hidden Markov Model For Cognitive Radio Networks”, International Conference on Hi-Tech Trends in Emerging Computational Technologies, ICECT2014.
6. A.R.Devi and **R.Arun Kumar**, “Delay Based Scheduling for Cognitive Radio Networks”, International Conference on Global Innovations and Computing Technologies, ICGICT 2014.
7. S.Kannagi and **C.K.Ramar**, “Performance Analysis of MIMO Channel with Deletion Based on Turbo code”, International Conference on Hi-Tech Trends in Emerging Computational Technologies, ICECT 2014.
8. S.Karthik and **C.Shanmugaraja**, “Full Bridge Phase Shifted on DC-DC Converter for Load Voltage Regulation”, International Conference on Competency Building Strategies in Business and Technology for Sustainable Development 2014.
9. G.Karthikeyan and **S.Soniya**, “Electromagnetic Coupling Microstrip patch Antenna for Improving Wide Bandwidth and Broad Beamwidth”, International Conference on Global Innovations and Computing Technologies, ICGICT 2014.
10. G.Karthikeyan and **S.Soniya**, “Electromagnetic Coupling Microstrip patch Antenna for Improving Wide Bandwidth and Broad Beamwidth and Analysis Efficiency.”, International Conference on Emerging trends in Science, Engineering, Business and Disaster Management, ICBDM 2014.
11. P.Narayani and **R.Meena prakash**, “Enhanced packet scheduling scheme for wireless sensor networks”, International Conference on Global Innovations and Computing Technologies, ICGICT 2014.
12. A.Ramani and **P.Marichamy**, “Throughput Improvement with Decode-Forward and Compress-Forward Channel”, International Conference on Hi-Tech Trends in Emerging Computational Technologies, ICECT 2014.
13. D.Ramya and **C.K.Ramar**, “A Robust scheme for Energy Aware Data Collection for Wireless Sensor Networks”. International Conference on Hi-Tech Trends in Emerging Computational Technologies, ICECT 2014.
14. T.Rengaraj and **S.Soniya**, “MPPT Algorithm Based PV System Connected to Single Phase Inverter”, International Conference on Global Innovations and Computing Technologies, ICGICT 2014.
15. P.Sangeetha and **P.Marichamy**, “Performance of multiflow wireless multimedia transmissions”, International Conference on Hi-Tech Trends in Emerging Computational Technologies, ICECT 2014.

16. R.Saranya and **J.Meena** , “Efficient power management in wireless communication” International Conference on Global Innovations and Computing Technologies, ICGICT 2014.
17. A.Senthil Kumar and **S.Soniya**, “A Matched Bow-Tie Antenna for Under Water Communication.”, International Conference on Competency Building Strategies in Business and Technology for Sustainable Development 2014.
18. M.Priya and **P.Ranjith kumar** “ Intelligent approaches for prognosticating atherosclerotic and non atherosclerotic individuals “International Conference on ICSCN’14, March 20, 2014.
19. W.Sofia Lawrence and **P.Ranjithkumar**, “Improving performance of thermally constrained multicore processor using DTM techniques” IEEE International conference on ICICES, pp.1035-1042, 2013. (available in IEEE Explore)
20. R.Umasankari, **K.Valarmathi** and G.Saravanakumar, “Temperature control of green house system using evolutionary computation”, International conference on Energy Efficient Technologies for sustainability, pp. 814 - 820, 2013.IEEE Explore, 10.1109/ICEETS.2013.6533490.
21. K. Asan Mohideen, **K. Valarmathi**, “Modified Model Reference Adaptive Controllers for improved regulatory performance,” International conference on Emerging trends in Computing, Communication and Nanotechnology (ICE-CCN), pp. 194 – 198, Mar 25-26, 2013,IEEE Explore, 10.1109/ICE-CCN.2013.6528491.
22. Asan Mohideen,K., and **Valarmathi. K.**, “Fuzzy modified Model Reference Adaptive Controller for improved transient response”, International Conference on Power, Energy and Control (ICPEC’13), pp.454-457, 2013, IEEE Explore:10.1109/ICPEC.2013.6527699.
23. Gobi.K, **Valarmathi.K**, Narmathabanu.R. “Effect of dead volume of Pressure Sensor on Accuracy and Bandwidth of pressure Measurement in Aerospace Applications” first International Conference on Instrumentation, Communication, Control and Automation, ICCICCA’13, 3rd -5th January, 2013, Department of ICE,Kalasalingam University,Krishnankoil
24. **R.Meenaprakash** and R.Shantha Selva Kumari “Millimeter Wave Imaging Technology and its Applications” in the IETE Zonal Seminar on Recent Trends in Millimeter and Centimeter Wave Communications during February 15-16, 2013 at Mepco Schlenk Engineering College, Sivakasi.
25. **R.Meenaprakash** and R.Shantha Selva Kumari “Modified Expectation Maximization Method for Automatic Segmentation of MR Brain Images” during September 26, 2013 held at Nagoya University, Japan.
26. **S.Janakiraman** ,I.Jackson Daniel and Abudhahir “Certain Studies on Thresholding Based Defect Detection Algorithms for Magnetic Flux Leakage Images” in the 2013 IEEE International Conference on Emerging Trends in Computing, Communication

and Nanotechnology(ICECCN 2013) organized by Infant Jesus College of Engineering and Technology, Tuticorin, Tamilnadu, India.

27. **R.Sudha** and K.Natarajan “Dynamic Cluster Formation to Increase the Visibility of BuS in VSN”, International conference on Computational Intelligence and Advanced Manufacturing Research-ICCIAMR 2013.
28. **P.Ranjithkumar** and S.Palani, “A Dynamic Voltage Scaling with Single Power Supply and Varying Speed Factor for Multiprocessor System using Genetic Algorithm” IEEE International conference on PRIME, pp.342-346, 2012. (available in IEEE Explore)
29. Karthik.C ,**Valarmathi.K**, Rajalakshmi.M, ‘Intelligent identification of moisture control of drying process in paper machine’ ,International Conference on Computing and Control Engineering (ICCCE 2012), 12th & 13th April, 2012, ISBN 978-1-4675-2248-9 © 2012 , Coimbatore Institute of Information Technology
30. Petchinathan, G., Saravanakumar, G., **Valarmathi, K.** and Devaraj, D., “Hybrid PSO -Bacterial Foraging Based Intelligent PI Controller Tuning for pH Process” Proceedings on International conference Information Systems Design And Intelligent Applications 2012 (INDIA-2012) on 5-7 January, 2012, published in *Springer link-Advances in Intelligent and Soft Computing*, 2012, Volume 132/2012, 515- 522, DOI: 10.1007/978-3-642-27443-5_59
31. Saravanan. V. and **Valarmathi. K.**, “Model based controller design for melter process in sugar industry”, International conference on computing, Communication and networking technologies (ICCCNT), pp.1-7, July 27 – 29, 2012, IEEE Explore, 10.1109/ICCCNT.2012.6395916.
32. **P.A.Mathina** and V.Chinnamal “Mobility Prediction for Underwater Sensor Networks Based on Sensitive Range” International Conference on ICACC – 2012.
33. **M.Vijay Gandhi** and Velmurugan S.“Automatic Night time Vehicle Tracking using Region based Method” International Conference on Modeling Optimization and Computing,2012.
34. **N.Krishnapraba** and S.Tamilselvi “VLSI Architecture of IDMA for wireless communication systems” International conference innovative computing and information processing 2012.
35. **R.Meenaprakash** and R.Shantha Selva Kumari “Nonsubsampled Contourlet Transform based Expectation Maximization method for Segmentation of Images” in the International Conference on Machine Vision and Image Processing(MVIP12) held at PSG College of Technology, Coimbatore during 14th – 15th December 2012.(Available in IEEE digital Explorer)
36. **P.Ranjithkumar** and S.Palani, “An Evolutionary Algorithm based Performance Analysis of Multiprocessor Computers through Energy and Schedule Length Model” International conference on PDCTA, Vol.203, No.1, pp. 91-101, 2011. (available in Springerlink Lecture Notes)

37. B.Karthikeyan, R.Sankarganesh and **P.Ranjithkumar**, “Improved MPPT Control for PV System under Rapidly Changing Environment Condition”, In Proc. of International Conference on Recent Advances in Technology, Engineering, Management & Science, pp. 26-32, 2011.
38. **Valarmathi, K.** Karthik, C. and Prasanna, R. ‘Modeling and Control of Complex chemical process is sugar process’, International Conference on ICVCI – 2011, pp. 672-676. SAINTGITS College of Engineering, Kottayam, 2011.
39. **Valarmathi, K.** Karthik, C. and Prasanna, R. ‘Intelligent PID tuning of chemical process in sugar industry’, international conference on ICST 2011, Coimbatore Institute of Information Technology, VelTech, Chennai. ISBN 978-1-4507-5567-2 © 2011
40. **Valarmathi, K.** Petchinathan, G. and Devaraj, D. ‘Bacterial Foraging Based Proportional Integral Controller Tuning For pH Process’, International Conference on Thermal Energy and Environment (INCOTEE 2011), March 24-26,2011.
41. **R.Meenaprakash** and R.Shantha Selva Kumari “Simplified Gabor Wavelets with Fuzzy C Means Threshold for Brain Tumour Detection in Magnetic Resonance Images” in the Proceeding on International Conference on Emerging Trends in Computing(ICETC-2011) during 17-18 March 2011.
42. M.Senbagapriya and **P.Ranjithkumar**, “Satisfiability based Test Generation for struck at fault coverage in RTL Circuits using VHDL” IEEE International conference on ICCNT, pp.1-6, 2010. (available in IEEE Explore)

* **number of papers presented in conferences (national conferences)**

S. No	Academic Year	Total No. of National Conferences Published
1.	2014	-
2.	2013	2
3.	2012	4
4.	2011	3
5.	2010	2

1. Murugaraj. C, **Valarmathi. K**, Ramesh. S, “Shell and Tube Heat Exchangers Optimization Using Genetic Algorithm and Genetic Algorithm and Particle Swarm Optimization”, National conference on Emerging trends in Materials Manufacturing and Design (ETMMD ’13, Mepco Schlenk Engineering College, Sivakasi, 7th and 8th May 2013.

2. **C.K.Ramar** and S.Ruba sounder “A Surrey on Data Aggregation Techniques in WSN” National conference organized by Agni college of Technology Chennai-27th Sept 2013.
3. Karthik.C, **Valarmathi.K**, Rajalakshmi.M, ‘Wireless monitoring for controlling dryers in paper machine’, NCICCA-2012, Kalasalingam University, April 5th, 2012.
4. Saravanan.V and **Valarmathi. K**, ‘System identification based PID tuning for B-melter process in sugar industry’, National conference on Emerging technologies, M. Kumarasamy college of Engineering, Karur, 25th, February 2012.
5. Saravanan.V and **Valarmathi. K**, ‘Design of IMC and IMC-PID controller for sugar industry processes, NCICCA-2012, Kalasalingam University, April 5th, 2012.
6. **M.Vijay Gandhi** and S.Velmurugan “Automatic Vehicle Light Detection in Traffic Lane using Segmentation with Edge Based Method” VLSI, Embedded and Communication System – NCVEC 2012.
7. **Valarmathi, K**. Karthik, C. ‘Implementation Of GA-PID Controller Tuning In Clarification Process Of Sugar Cane Juice’, National conference on NCICCA-2011, Kalasalingam University, April 8th, 2011.
8. **S.Soniya** and N.Prabhakaran “Performance Improvement of Wireless Sensor Network for Robotics” National conference on Recent Advances in VLSI and Embedded Systems, 2011.
9. **S.Kalaivani** and Lenin prakash “Harmonic compensation system using Three phase shunt active filter” National Conference on ETCIT,2011.
10. S.karthikumar and **P.Ranjithkumar**, “Dynamic Voltage Scaling for Low Power Embedded Systems” National conference on RAET, pp.113-118, 2010.
11. **C.K.Ramar** and S.Ruba sounder “Embedded Microwave & Integrated Technologies – EMIT 10 Organized by dept of ECE, Saveetha Engineering College, Chennai-602105, 12th march-2010.

* Monographs

Nil

* Chapter(s) in Books

Nil

* Editing Books

Nil

* Books with ISBN numbers with details of publishers

Nil

- * **number listed in International Database** (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

S.No	Name of the faculty	Listed in International Database
1.	Dr. P. Marichamy	Scopus
		Google Scholar
2.	Dr. K.Valarmathi	Scopus
		Google Scholar
3.	Dr. P. Ranjith kumar	Scopus
		Google Scholar

- * Citation Index – range / average ,SNIP,SJR and Impact factor – range / average

S.No	Name of the faculty member	Number listed in Intl. database (Web of science, scopes science directory etc.)	Citation index	h-index	Impact factor – range / average
1.	Dr.P.Marichamy	6507760581	47	3	-
2.	Dr.K.Valarmathi	15926511600	31	3	1.58
3.	Dr.P.Ranjith kumar	36663775000	9	2	-

15. Details of patents and income generated

Nil

16. Areas of consultancy and income generated

- Consulting intercom facility at Sparkle Inn Hotel, Sivakasi.
- AEON Meditec (India) Pvt Ltd.

Sl.No.	Name of the Organization	Area of Consultancy	Income Generated (Rs)
1	Hotel Sparkle Inn, Sivakasi	Intercom Facility	2000
2	AEON Meditec (India) Pvt Ltd	Specifications for Laser Treatment Equipments	3000

17. Faculty recharging strategies

- Organizing Faculty Development Programs, Workshops, Seminars and Conferences

S.No	Title of the programme	Resource Person	Date(s)
1.	National Conference on Emerging Communication Trends	Researchers	16.03.14 to 17.03.14
2.	Faculty Development Programme on “Instructional Design and Delivery System”	National Institute of Technical Teachers Training and Research(NITTR)	22/04/2013 to 26/04/2013
3.	Wipro Mission 10x	Faculty Empowerment Programme Team	11/06/2013 to 14/06/2013
4.	National Seminar on “Transform Techniques in Signal & Image Processing”	Dr.Arun K.Tangirala, IITM, Chennai	14/6/12 to 15/6/12
5.	Two Day DRDO Sponsored National Seminar on “Statistical and Soft Computing Techniques for Image Processing”	Dr.D.Selvathi, Mepco Schlenk Engg. College Dr.S.Mohammad Mansoor Roomi, Thiagarajar College of Engineering	1/11/2012 & 2/11/2012

- Motivate the faculty to attend Faculty Development Programs and Workshops

S.No	Name of the Faculty	Title of the programme	Place	No. of days
1.	Dr.P.Marichamy	Software Defined Radio (SDR)	Amrita Viswa Vidyapeetham, Coimbatore.	26.7.2013 & 27.7.2013
2.	R.Meena Prakash	How to do Good Research	P.S.R. Engineering College	23/1/2014 to 25/1/2014
		Labview	Thiagarajar College of Engineering, Madurai	11/5/2013 to 14/5/2013
		Advancements in Brain Image Analysis Towards Research	P.S.R.Rengasamy College of Engineering for Women	1/3/2013 to 2/3/ 2013
		Statistical and Soft Computing Techniques for Image Processing	P.S.R. Engineering College	1/11/2012 to 2/11/2012
		Effective Writing of Technical Papers	National Institute of Technology, Tiruchirappalli	7/7/2012 to 8/7/2012
		Transform Techniques in Signal & Image Processing	P.S.R.Rengasamy College of Engineering for Women	14/6/2012 to 15/6/2012

		Mission 10X	Wipro	24/4/2012 to 28/4/2012
		Recent Trends in VLSI & Embedded Systems and its Applications	Mepco Schlenk Engineering College	16/3/2012 to 17/3/2012
		Time Series Modelling & Spectral Analysis – Theory & Applications	Indian Institute of Technology Madras	12/7/2010 to 17/7/2010
		Research issues in Digital Image Processing	Mepco Schlenk Engineering College	21/3/2009
		Research Initiative Programme In Soft Computing Techniques	P.S.R. Engineering College	21/2/2009
		Optical Communication	National Engineering College, Kovilpatti	22/5/2006 to 3/6/2006
3	S.Janakiraman	Statistics and Soft Computing Techniques for Image Processing	P.S.R. Engineering College	4/1/2013 to 5/1/2013
		Image Processing Using MATLAB	National Engineering College, Kovilpatti.	11/3/2012
		State Estimation and Multi Sensor Data Fusion	PSG TECH, Coimbatore	12/2/2012
		Particle Swarm Optimization and its Variants:	Anna University, Regional centre, Coimbatore	25/09/2011
4.	C.K.Ramar	Network Simulation and Cloud Computing	P.S.R. Engg College	4/10/2013 to 6/10/2013
		Simulation Modeling Software	Muvathipuzha, Kerala	22/9/2011 to 23/9/2011
		Discrete Event Simulation for Protocol in Wireless Networks	Anna University of Technology, Trichirapalli-620024	12.12. 2010
		Image processing application in Remote Sensing and Surveillance	P.S.R. Engg.College	9/2/2008 to 5/3/2008
		Advanced VLSI Design Technique	P.S.R. Engg College	14/12/2007 to 15/12/2007
		Networks Laboratory'	NEC Kovilpatti	6/10/2006 to 7/10/2006
		Computer Aided design of Light wave System	NEC Kovilpatti	17/2/2005 to 18/2/2005
		Computer Aided Design of RF Circuit	NEC Kovilpatti	15/7/2005 to 25/7/2005
5.	R.Sudha	Instructional Design and Delivery System	NITTR Chennai	22/04/2013 to

				26/04/2013
6.	S.Soniya	Recent Trends in Design of Antennas for Millimeter Waves	Sri Krishna College of Engineering and Technology, Coimbatore	10/06/2013 to 22/06/2013
		Statistical and Soft Computing Techniques for Image Processing	P.S.R. Engg College	4/1/2013 to 5/1/2013
		Centimeter and Millimeter waves Communication	Mepco Schlenk Engineering College	22/01/2013
		Antennas and Wave Propagation	Agni College of Technology	10/12/2012 to 16/12/2012
		Transform Techniques in Signal and Image Processing	P.S.R. Engg College	14.02.2012 to 15.02.2012
7.	S.Mathina	Instructional Design and Delivery System	NITTTR Chennai	22/04/2013 to 26/04/2013
		Modern Digital Communication Techniques	Thiyagarajar Engg. College	02.06.2013 to 10.06.2013
		Transform Techniques in Signal and Image Processing	P.S.R. Engg College	14.02.2012 to 15.02.2012
8.	M.Vijay Gandhi	Instructional Design and Delivery System	NITTR Chennai	22/04/2013 to 26/04/2013
		Transform Techniques in Signal and Image Processing	P.S.R. Engg College	14.02.2012 to 15.02.2012
9.	P.Lingeswari	Instructional Design and Delivery System	NITTR Chennai	22/04/2013 to 26/04/2013
		Software defined radio and cognitive radio	PSG College of Technology	4/1/2013 to 5/1/2013
		Solid state Drives	Anna university Chennai	16.12.2013 to 23.12.2013
		MIMO Wireless communication	Thiyagaraja college of Engg.	24/8/2011 to 27/8/2011
10.	N.Krishnapraba	Solid state Drives	Anna university Chennai	16.05.2013 to 23.05.2013
		Statistical and Soft Computing Techniques for Image Processing	P.S.R. Engg College	4/1/2013 to 5/1/2013

		Instructional Design and Delivery System	NITTR Chennai	22/04/2013 to 26/04/2013
		Issues and Challenges in underwater acoustic communication	National engg college	11/11/ 2012
		MIMO Wireless communication	Thiyagaraja college of Engg.	24/8/2011 to 27/8/2011
11.	C.Shanmuga raja	Advanced VLSI Technology	National engg college	15.06.2013 to 20.06.2013
12.	S.Athimoolam	Advanced VLSI Technology	National engg college	15.06.2013 to 20.06.2013
13.	Dr.P.Ranjith kumar	Medical Image Processing	KSR college of technology	08.02.2012 to 20.02.2012
14.	S.Kalaivani	Industrial Automation and Embedded system	Sararnathan Engg College	25.03.2013
		digital image processing with MATLAB Application	P.S.R. Engg College	18.10.2012
		Statistical and Soft Computing Techniques for Image Processing	P.S.R. Engg College	4/1/2013 to 5/1/2013
		Transform Techniques in Signal and Image Processing	P.S.R. Engg College	14.02.2012 to 15.02.2012
15.	K.Rama lakshmi	Digital Communication Techniques using Commlab	National Engg college	31.01.2014
		Digital Image processing	Regional Centre, Tirunelveli	07.12.2013-12.12.2013
		Statistical and Soft Computing Techniques for Image Processing	P.S.R. Engg College	4/1/2013 to 5/1/2013
		Transform Techniques in Signal and Image Processing	P.S.R. Engg College	14.02.2012 to 15.02.2012

- Organizing guest lectures

S.No	Title of the programme	Resource Person	Date
1	Lecture on “How to do good Research”	Prof.N.Sundararajan, Senior Research Fellow, Prof (Retd) Nanyang Technological	23/01/2014 to 25/01/2014

		University, Singapore	
2.	Guest Lecture on “Programmable System-on-Chip”	Mr.J.Senthil Kumar, AP/ECE, Mepco Schlenk Engg College	14/12/2013

- Organizing counseling programmes

S.No	Title of the programme	Resource Person	Date
1.	Training Programme on Life Skills	Mr.Jegan & Mr.Arun	27/09/2013 & 28/09/2013
2.	Counseling Programme	T.Ragunath Psychiatrist Chennai	03/08/2013

18. Student projects

- percentage of students who have done in-house projects including inter-departmental
- percentage of students doing projects in collaboration with industries / institutes

S.No	Academic Year	percentage of in-house projects	percentage of industrial projects
1	2013-14	90%	10%
2	2012-13	85%	15%
3	2011-12	92%	7%

19. Awards / recognitions received at the national and international level by

- Faculty:

S.No	Name of the faculty	Awards / recognitions	National / International
1.	Dr. P.Marichamy	Recognized Research Supervisor – Anna University, Chennai Recognized Research Supervisor - Periyar Maniammai University Thanjavur.	State
2.	Dr. K.Valarmathi	Recognized Research Supervisor – Anna University, Chennai	State
3.	Dr.P.Ranjith kumar	Red Hat Certified Engineer(RHCE) Red Hat Certified Technician (RHCT)	International
4.	S.Janaki Raman	Microsoft Certified Technology Specialist (MCTS)	International
5.	N.Rajesh	Microsoft Certified Technology Specialist (MCTS)	International

- Doctoral / post doctoral fellows : Nil
- Students

S.No	Description	National / International	No. of students
1.	Microsoft Certified Technology Specialist (MCTS)	International	35
2.	Cambridge's Business English Certification (BEC) Preliminary	International	2
Awards - University Rank			
3.	S.Abarna	University 34 th Rank (2009-2013 Batch) Anna University of Technology Tirunelveli	3 (2009-2013 Batch)
4.	M.SubaMuthu lakshmi	University 44 th Rank (2009-2013 Batch) Anna University of Technology Tirunelveli	
5.	S.Archana	University 49 th Rank (2009-2013 Batch) Anna University of Technology Tirunelveli	
6.	L..Krishnna Kumari	University 44 th Rank (2008-2012 Batch) Anna University of Technology Tirunelveli	2 (2008-2012 Batch)
7.	I.Elaveni		
8.	U.Kavitha	University 1 st Rank, Gold Medalist, (2007-2011 Batch) Anna University of Technology Tirunelveli	1 (2007-2011 Batch)
9.	A.Nirmala	University 47 th Rank (2003-2007 Batch) Anna University ,Chennai	1 (2003-2007 Batch)
10.	R.Pradeepa	University 6 th Rank (2000-2004 Batch) Anna University ,Chennai	1 (2000-2004 Batch)

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

(2013-2014):

Module description	Any other contributor y institute/ industry	Source of Funding	Duration	Resource persons	Target audience	Usage and citation, etc.
Guest Lecture on Six sigma Technologies	TCS, Chennai	ISTE Association	31.01.14	Mr.N. Raja Durai	150	Sixsigma Technologies
Faculty Empowerment Programme	Wipro Mission 10x	P.S.R.Engineering College	11/06/2013 to 14/06/2013	Mr.S.Ashok Kumar & Team	4 faculty	Training on Effective Teaching and handling Students
Training Programme on “Embedded Processors Programming and Application”	P.S.R.Engineering College	Dept.of ECE Association	05/07/2013 & 06/07/2013	Dr.P.Marichamy, & Team, PSR	125 students	Training on ARM, PIC and Arduino
Technological Innovation Programme	Director, Massachusetts Institute of Technology, U.S.A	P.S.R.Engineering College	26/07/2013	Dr.Shiva Ayyadurai, Inventor of E-Mail	All students	Career guidance
Technical Competitions by IETE Students Forum	P.S.R.Engg College	IETE students Association	07/09/2013	Mrs.J.Meena, Mrs.N.Kumutha, PSR	All ECE Students	Exposing the Technical talents
Guest Lecture on “Recent Trends in Telecommunication & Broadcasting”	All India Radio Tirunelveli	Dept.of ECE Association	12/09/2013	Mr.B.Srikanth, Engineer,	All ECE students	Knowledge in broadcasting technology
Guest Lecture on “Android Application Development Training”	Perpetro Technologies, Chennai.	Dept.of ECE Association	18/09/2013	Mr.S.A. Vickram, Technical Analyst, Infosys	125 students	Awareness on Android applications
Training Programme on Life Skills	Fynn soft, Bangalore	P.S.R.Engineering College	27/09/2013 & 28/09/2013	Mr.Jegan & Mr.Arun	All students	Motivation Programme
Training Programme “ROBOTEC-2013”	P.S.R.Engineering College	Dept.of ECE	30/09/2013	Dr.P.Marichamy &Team, PSR	125 students	Training on Robotics

Guest Lecture on “Statistical Signal Processing”	Mepco Schlenk Engineering College, Sivakasi	Dept.of ECE Association	15/10/2013	Dr.R.Shantha Selva Kumari,	16 P.G.Students and 4 faculty	Knowledge on Signal Processing
Guest Lecture on “Programmable System-on-Chip”	Mepco Schlenk Engineering College, Sivakasi	Dept.of ECE Association	14/12/2013	Mr.J.Senthil Kumar, AP/ECE	16 P.G.Students and 5 faculty	Training on PSoC
Workshop on “Labview and Matlab Programming”	P.S.R.Engineering College	Dept.of ECE Association	20, 21/01/2014	Mrs.R.MeenaPrakash, Coordinator	Students	Knowledge on Labview and Matlab applications
Lecture on “How to do good Research”	Nanyang Technological University, Singapore	Dept.of ECE Association	23/01/2014 to 25/01/2014	Prof.N.Sundararajan, Senior Research Fellow, Prof (Retd)	Students and Faculty	Research practices with ethics
Guest Lecture on “Signal Processing in Medical Electronics”	RMIT University, Australia.	Dept.of ECE Association	29/01/2014	Dr.Sridhar P.Arjunan, Research Fellow	Students	Knowledge on Signal Processing applications in Medical Field
Quality Management Concept at Industry	TCS, Chennai	Dept.of ECE Association	31/01/2014	Mr.S.Rajadurai, B.E.,MBA.	Students	Six Sigma Concepts
Technical Symposium by ECE Assoc.	P.S.R.Engineering College	Dept.of ECE Association	15/03/2014	ECE Association	Students	Participation in Technical Contests
National Conf. on “Emerging Communication Trends” (NCECT’14)	P.S.R.Engineering College	Dept.of ECE Association	21 & 22/03/2014	Dr.K.Valarmathi, Coordinator	Students and Faculty	Paper presentations

(2012-2013):

Module description	Any other contributory institute/ industry	Source of funding	Duration	Resource persons	Target audience	Usage and citation, etc.

National Seminar on “Transform Techniques in Signal & Image Processing”	DRDO Sponsored	DRDO	14/6/12 to 15/6/12	Dr.Arun K.Tangirala, IITM, Chennai	50 faculty from various Engg Colleges	Progress in Research Work
Sponsorship for in-plant Training	QMax Test Technologies Pvt.Ltd., Chennai	Dept.of ECE Association	18/6/12 to 22/6/12	Technical Team, QMax	12 Students	Gained skill in PCB Designing
ECE Association	Vi Micro Systems, Chennai	Dept.of ECE Association	21/07/2012	Dr.R.Vijaya Rajeshwaran	All students	Microcontrollers and PIC
Seminar on “4G Systems”	Wipro Technologies	Dept.of ECE Association	21/07/2012	Dr.M.S.Sricharan, Wireless Architect	120 students	4G Technology
Special Lecture on “Beagle Board”	Beacon Technologies	Dept.of ECE Association	1.8.2012	Mr.Rajeshwaran	120 students	Awareness on open source hardware
Continuing Education Programme on “Embedded Technology”	P.S.R.Engineering College	Dept.of ECE Association	From 08/09/2012	Mrs.R.Meena Prakash	40 students	Training on ARM and PIC processors
Workshop on “iRobotics”	Robosapiens Technologies pvt., Ltd., Noida in association with TRYST, IIT, Delhi	Dept.of ECE Association	12/10/2012 & 13/10/2012	Technical Team	120 students	Training on Robotics
Two Day DRDO Sponsored National Seminar on “Statistical and Soft Computing Techniques for Image Processing”	P.S.R.Engineering College	DRDO	1/11/2012 & 2/11/2012	Dr.S.Thiruvengadam, Dr.D.Selvathi, Dr.S.Mohammad Mansoor Roomi, Thiagarajar College of Engineering	50 faculty members from various institutions	Promoting research activities in the area of image processing
Guest Lecture on “PSoC”	P.S.R.Engineering College	Dept.of ECE Association	18.07.13	Mr.J.Senthil Kumar, AP/ECE, Mepco Schlenk Engineering College	17	Training on PSoC

Microsoft Certified Technology Specialist Course (MCTS)	P.S.R.Engineering College	Dept.of ECE Association	12/12/2012 to 18/12/2012	Vijailakshmi HiTech Solutions, Madurai.	30	Training on Microsoft products
IETE Students Day Celebration & Seminar on “Low Power VLSI Design”	P.S.R.Engineering College	IETE Association	1/02/2013	Dr.P.Karthigai Kumar, Karunya University, Coimbatore	All ECE students	Technical Competitions conducted
Awareness Programme on “Intellectual Property Rights and Patents”	P.S.R.Engineering College	Research & Development Cell	15/03/2013	Mr.P.Bala Murugan, Assistant Controller of Patents and Designs.	25	Awareness on Patents and IPR's
Guest Lecture on “Mobile Communication”	P.S.R.Engineering College	Dept.of ECE Association	16/03/2013	Dr.Sriram Kumar, AP/ECE, NIT, Trichy	125	Knowledge in Communication Technology
Faculty Development Programme on “Instructional Design and Delivery	National Institute of Technical Teachers Training and Research(NITTR)	P.S.R.Engineering College	22/04/2013 to 26/04/2013	Dr.S.Renuga Devi & Mr.Shanmug haneethi	7 faculty	Training on Effective Teaching and handling students

(2011-2012):

Module description	Any other contributor y institute/ industry	Source of funding	Duration	Resource persons	Target audience	Usage and citation, etc.
Workshop on “Digital Image Processing and its applications using Matlab”	Mepco Schlenk Engineering College	Dept.of ECE Association	Two Days 19/08/2011& 20/08/2011	Mr.S.Anand, AP/ECE Mepco Schlenk Engineering College,Sivakasi	Students	How to write MATLAB for image processing
Guest Lecture Soft Computing Techniques in Digital Image Processing	Mepco Schlenk Engineering College	Dept.of ECE Association	16/09/2011	Dr.D.Selvathi, AP/ECE Mepco Schlenk Engineering College,Sivakasi	Students	Basics of image processing
Guest Lecture on Wavelets	P.S.R.Engg. College, Sivakasi	Dept.of ECE Association	17/09/2011	Mrs.R.Meena Prakash, AP/ECE	120 students	Gain knowledge on Wavelets

Guest Lecture	Wipro Technologies	Dept.of ECE Association	21 /9/2011	Mr.R.Sricharan Wireless Architect	100 Students	4G technologies
Guest Lecture	Global Alliances, Bangalore	Dept.of ECE Association	30/10/2011	Mr.K.Mahendran Design Engineer	60 Students	Placment Awareness
Technical Workshop on “Maintenance of Electronic Equipments”	VI Micro Systems, Chennai	Dept.of ECE Association	30/11/2011	Mr.S.Srinivasan Service Engineer	Non Teaching Staff	Trained on Servicing Equipments
Workshop “VLSI design and its practical application”	P.S.R.Engineering College, Sivakasi	Dept.of ECE Association	01/12/2011	Mrs.S.Deepa AP/ECE P.S.R.Engg College	Teaching Staff	How to write verilog code in XILINX
Seminar on “Testing of Chip”	QMax Test Technologies Pvt.Ltd.,	Dept.of ECE Association	31/12/2011	Technical Team	120 students	Trained in testing of chips
Seminar	Broadmind consultant	Dept.of ECE Association	02/02/2012	MS.Nila	Students	Free seminar for higher studies in abroad
Workshop on “PCB Design”	IVU, Madurai	Dept.of ECE Association	4, 5/2/2012 & 11,12/2/2012	Technical Team	120 students	Trained in latest PCB Design Technology
IETE Students Forum Inauguration	Mepco Schlenk Engineering College, Sivakasi	IETE Association	24/02/2012	Dr.S.Arivazhagan, Prof & Head/ECE	220 students	Motivated about technological developments
State Level Technical Symposium	NEC, Kovilpatti	Dept.of ECE Association	9/3/2012	Dr.Vijayarangan, HOD/ECE, NEC	All ECE Students	Participation in Technical Contests
Workshop on “Embedded Systems”	Vi Micro Systems, Chennai	Dept.of ECE Association.	4/4/12 to 7/4/12	Mr.Gurusamy & Team	150 students	Training on Embedded Systems

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Academic year	Selected		Pass percentage (%)	
			Male	Female	Male	Female
B.E in Electronics and Communication	-	2012-2013	66	65	80.3	93.8
		2011-2012	61	65	64	90.7

Name of the Course (refer question no. 2) Engineering	Applications received	Academic year	Selected		Pass percentage (%)	
			Male	Female	Male	Female
		2010-2011	50	72	70	97.2
		2009-2010	62	69	75.6	94.2
M.E in Applied Electronics	-	2012-2013	N/A	N/A	N/A	N/A

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.E in Electronics and Communication Engineering	N/A	98%	2%	--
M.E in Applied Electronics	15% (5/33)	100%	--	--

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S.No	Competitive Examinations	No. of students cleared
1.	MCTS(Microsoft Certified Technology Specialist)	35
2.	BEC Preliminary (British English Course)	2

24. Student progression

Student progression	Percentage against enrolled			
	2012-2013	2011-2012	2010-2011	2009-2010
UG to PG	16	8	10	14
PG to M.Phil.	-	-	-	-
PG to Ph.D.	-	--	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed				
• Campus selection	23	8	5	11
• Other than campus recruitment	27	60	65	34
Entrepreneurs	-	2	-	-

25. Diversity of staff

Percentage of faculty who are graduates			
	UG	PG	Ph.D
of the same parent university	57.7	73	67
from other universities within the State	42.3	27	-
from other universities from other States	--	--	33

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Sl.No	Name of the Faculty	Specialization	Year of awarded
1.	P.Ranjith kumar	Information and Communication Engineering	November, 2013

27. Present details about infrastructural facilities

a) Library (Department)

- Area: 23.41Sq.m
- Number of Titles: 257
- Number of Books: 594
- National Journals :16 (Available in Central Library)
- International Journal: 4 (Available in Central Library)
- Magazine: 1
- Daily News Paper: 1

b) Internet facilities for staff and students

- For staff: Computers are provided in faculty rooms. LAN and WIFI facilities are available in all faculty rooms.
- For Students: Internet facilities are provided in VLSI, PG Lab and Communication Skills laboratory in the department. A common computer center is also providing internet facility. WIFI facility is also provided to all the students.

c) Total number of class rooms: 10

d) Class rooms with ICT facility: 02 (Seminar Hall & Communication Skills Lab.)

e) Students' laboratories: 08

f) Research laboratories: Nil

28. Number of students of the department getting financial assistance from College.

Tuition Fees Concession:

Sl. No	Name of the Student	Class	Assistance (Rs)
1.	MuthuPattan S.	II Year	40000
2.	Ashok.A	III Year	Full Tuition Fees
3.	Kalaivani .M	III Year	20000
4.	Perumal Samy .S	III Year	5000
5.	Saraswathi. N	III Year	20000
6.	Suganisha.U	III Year	20000
7.	Gurumoorthi.M	III Year	Full Tuition Fees
8.	Prabakaran R	IV Year	Full Tuition Fees

Bus Fees Concession:

Sl. No	Name of the Student	Class
1.	Priyanka B	I Year
2.	Pavithra B	I Year
3.	Kiruthika J	II Year
4.	Krishnaprakash G.S	II Year
5.	Aarthi J	III Year
6.	Sangeetha V	IV Year

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- Demand of the programme is taken as base
- Feedbacks from Senior Faculty Members of the Department, Academic Experts, Industrial Experts and Alumni Members.
- Suggestions from Board of management

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- Yes. The Board of Studies delegates the curriculum and detailed syllabus design among their faculty members. Based on their past experiences, the curriculum is enhanced to strengthen the Knowledge areas of learners. Also, during the time of content delivery, the class committee forum will obtain

teaching-learning-evaluation feedback from student representatives and suggest corrective mechanisms. The faculty members are responsible to report the weak learners and conduct special coaching classes to improve their studies. The student's Counselor/Tutor evaluates the outcome of their wards and advises them through HoD and Principal and intimates the same to Parents.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- Yes. Feedbacks are obtained from each student for each subject at the end of every semester and it is summarized. Based on the feedback, Suggestions and requisitions are given to the faculty members in the department meeting at the beginning of every semester.

c. alumni and employers on the programmes and what is the response of the department to the same?

- Yes. Alumni give their feed back when they visit the college. They enlighten the major expectation of the industry and motivate the students through career guidance programme, Guest Lectures, Seminars which train the student for the expectation of industry.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name of the Alumni	Batch	Organization	Position
1.	S.Jayakumar	2003	Sembcorp Marine, Singapore	Lead Commissioning Engineer
2.	G.Sathish kumar	2003	ISRO, Sriharikota	Scientist
3.	D.S.Durai Murugan	2004	The Hindu	Associate Editor
4.	D.Kamalakannan	2005	IFB Pvt. Ltd, Chennai	General Manager
5.	N.Saravanan	2006	Wipro Technologies, Bangalore	Project Manager
6.	D.Anith Rani	2007	CTS	Associate Manager
7.	K.Pon Selvi	2008	TCS	Project Manager
8.	C.P.Sathish	2010	Honeywell Technologies	Project Engineer
9.	N.Maharajan	2010	Robert Bosch, Coimbatore	Developer
10.	S.Sathana Subbu	2011	Samsung	Production Manager

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

S.No	Title of the programme	Guest	Date
Paper presentation & Technical competitions			
1.	Training Programme on “Embedded Processors Programming and Application”	Dr.P.Marichamy, & Team, PSR	05/07/2013 & 06/07/2013
2.	Technological Innovation Programme	Dr.Shiva Ayyadurai, Inventor of E-Mail	26/07/2013
3.	Technical Competitions by IETE Students Forum	Mrs.J.Meena , Mrs.N.Kumutha, PSR	07/09/2013
4.	Training Programme on Life Skills	Mr.Jegan & Mr.Arun	27/09/2013 & 28/09/2013
5.	Training Programme “ROBOTEC-2013”	Dr.P.Marichamy & Team, PSR	30/09/2013
6.	IETE Students Day Celebration & Seminar on “Low Power VLSI Design”	Dr.P.Karthigai Kumar, Karunya University, Coimbatore	1/02/2013
7.	Microsoft Certified Technology Specialist Course (MCTS)	Vijailakshmi HiTech Solutions, Madurai.	12/12/2012 to 18/12/2012
Workshop			
8.	Workshop on “Labview and Matlab Programming”	Mrs.R.MeenaPrakash, Coordinator	20, 21/01/2014
9.	Lecture on “How to do good Research”	Prof.N.Sundararajan, Senior Research Fellow, Prof (Retd)	23/01/2014 to 25/01/2014
10.	Seminar in studies in abroad	MS.Nila	02/02/2012
11.	Workshop on “PCB Design”	IVU, Madurai	4, 5/2/2012 & 11,12/2/2012
12.	IETE Students Forum Inauguration	Dr.S.Arivazhagan, Prof & Head/ECE	24/02/2012
13.	State Level Technical Symposium	Dr.Vijayarangan, HOD/ECE, NEC	9/3/2012
14.	Workshop on “Embedded Systems”	Mr.Gurusamy & Team	4/4/12 to 7/4/12
15.	Workshop on “Digital Image Processing and its applications using Matlab”	Mr.S.Anand, AP/ECE Mepco Schlenk Engineering College, Sivakasi	19/08/2011 & 20/08/2011
16.	Technical Workshop on “Maintenance of Electronic Equipments”	Mr.S.Srinivasan Service Engineer	30/11/2011
17.	Workshop “VLSI design and its practical application”	Mrs.S.Deepa AP/ECE P.S.R.Engg College	01/12/2011
18.	Seminar on “Testing of Chip”	QMax Test Technologies	31/12/2011

		Technical Team	
Guest Lecture			
19.	Quality Management Concept at Industry	Mr.S.Rajadurai, B.E.,MBA.	31/01/2014
20.	Guest Lecture on “Signal Processing in Medical Electronics”	Dr.Sridhar P.Arjunan, Research Fellow	29/01/2014
21.	Guest Lecture on “Recent Trends in Telecommunication & Broadcasting”	Mr.B.Srikanth, Engineer	12/09/2013
22.	Guest Lecture on “Android Application Development Training”	Mr.S.A. Vickram, Technical Analyst, Infosys	18/09/2013
23.	Guest Lecture on “Statistical Signal Processing”	Dr.R.Shantha Selva Kumari,	15/10/2013
24.	Guest Lecture on “Programmable System-on-Chip”	Mr.J.Senthil Kumar, AP/ECE	14/12/2013
25.	Guest Lecture on PSOC	Mr.J.Senthil Kumar, AP/ECE, Mepco Schlenk Engineering College	18/07/13
26.	Guest Lecture on “Mobile Communication”	Dr.Sriram Kumar, AP/ECE, NIT, Trichy	16/03/2013
27.	Guest Lecture Soft Computing Techniques in Digital Image Processing	Dr.D.Selvathi, AP/ECE Mepco Schlenk Engineering College,Sivakasi	16/09/2011
28.	Guest Lecture on Wavelets	Mrs.R.Meena Prakash, AP/ECE	17/09/2011
29.	Guest Lecture	Mr.R.Sricharan Wireless Architect	21 /9/2011
Seminar / Conference			
30.	Technical Symposium by ECE Assoc.	ECE Association	15/03/2014
31.	National Conf. on “Emerging Communication Trends” (NCECT’14)	Dr.K.Valarmathi, Coordinator	21 & 22/03/2014
32.	National Seminar on “Transform Techniques in Signal & Image Processing”	Dr.Arun K.Tangirala, IITM, Chennai	14/6/12 to 15/6/12
33.	ECE Association	Dr.R.Vijaya Rajeshwaran	21/07/2012
34.	Seminar on “4G Systems”	Dr.M.S.Sricharan, Wireless Architect	21/07/2012
35.	Two Day DRDO Sponsored National Seminar on “Statistical and Soft Computing Techniques for Image Processing”	Dr.S.Thiruvengadam, Dr.D.Selvathi, Dr.S.Mohammad Mansoor Roomi, Thiagarajar College of Engineering	1/11/2012 & 2/11/2012

33. List the teaching methods adopted by the faculty for different programmes.

- Lecture by Chalk and Talk
- Lecture with a quiz / questions
- Tutorial
- Demonstration (Such as model, laboratory, field visit)
- Group Discussion
- Group Assignment/ Project
- Presentations
- Through Learn on line - **Moodle** is in use to perform various activities like group assignments / group projects and to share the materials.
- e-content through national and international portals such as:
 - **NPTEL** <http://nptel.iitm.ac.in>
 - **MIT Open Courseware** <http://ocw.mit.edu/index.htm>

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Biweekly test and Internal test are conducted and evaluated. Then the performance is analyzed in the class committee meeting in front of the committee chairperson, class committee student members, subjects handling staff, tutors and the class in charge.
- The difficulties faced by the student and staff are appraised then the class committee chair person discusses with HOD and sorts out the problems .
- Pass Percentage of the students in the university examinations
- Number of students placed through off and on campus recruitment drives.
- Higher education
- Alumni's feedback

35. Highlight the participation of students and faculty in extension activities.

- Students:
 - Participation in inter and intra college symposiums, paper presentations.

SI NO	Academic Year	Name of the Student	Activity	Name of the company/College
1.	2013-2014	S.Jayasakthi	Workshop on Arduino and Rasperry pi	Amrita University
		Y.Kethsiyal		
		P.Anthoniyammal		
		P.Kaleeswari		
		V.Mylarasi		

		A.Arumugam		
		S.P.Muthukumar		
		M.Mariappan		
		K.Guruprakash		
		R.Jithinraj		
		R.Alagarsamy		
		T.Muniasamy@suresh		
		H.Lahooth Vashique Imrahn		
		J.James Rajkumar		
		M.Ganeshan	Workshop on Robotics	Vellore Institute of Technology
		R.Alagarsamy		
		T.Muniasamy@suresh		
		A.Kayalvizhi	Workshop on ARM Processor	IRTT Engineering College
		M.Gowri		
		B.Kasthuri		
		S.Mahalakshmi	Workshop on Applns of Embedded Systems	Government college of Technology, Coimbatore
		S.Manju		
		R.K.Lakshmi		
		P.M.Rajathi		
		S.Priyadharsini	Workshop on Robotics	Panimalar Engineering College
		S.Balaji		
		S.Kalisankar		
		S.Mareeswaran		
2	2012-2013	R.Rajeswari	Workshop on Image Processing	
		M.Renugadevi		
		A.Syed Sharmila Fathima		
		M.Vaishnavi		
		M.Thivya		
		R.Sowmiya		
		S.Subbu Meenakshi		
		R.Udhaya Banu		
		R.Abinaya		
		K.Dhanalakshmi		
		M.Karthiga		
		M.Gokila		
		K.Jothilakshmi		
		S.Sweetlin		
		M.Tamilselvi		
		M.Shunmuga pavithra		
		P.Anitha		
		M.Kalaivani		

		A.S.Kartheeswari		
		V.Banupriya		
		K.Nishanthini		
		S.Kalaiselvi		
		D.Kamaraj		
		M.Prasathkumar		
		N.Venkateshwaran		
		S.Ranjithkumar		
		T.Rajeshkumar		
		K.Karthickraja		
		B.Uma Maheshwari	Workshop on PSoC	National Engineering College
		M.Sanmugapriya		
		S.Gayathri	Workshop on Image Processing	Alagappa Chettiyar College of Engineering, Karaikudi.
		E.Kasilakshmi		
		K.Divya		
		M.Muthuselvi		
		A.Kayalvizhi		
		M.Nagalakshmi		
3	2011-2012	M.Pandeeswari	Workshop on Embedded Systems	Alagappa Chettiyar College of Engineering, Karaikudi
		P.Deepa		
		S.Priyanka		

○ **Presentation of technical papers in National level conferences**

Students Participated in Events and Won Prizes:

Sl. No	Academic Year	Name of the students	Event	Prize	Institute
1.	2013-2014	K.N.Nivethitha	Paper Presentation	1 st	PSR Engineering College
2.	2012-2013	K.Priya	Paper Presentation	2 nd	SNS college, Kovai
		R.N.Nivethitha	Paper Presentation	3 rd	SNS college, Kovai
		S.Balaji	Paper Presentation	3 rd	PSR Engineering College
		S.Kalisankar	Paper Presentation	3 rd	PSR Engineering College
		J.James Rajkumar	Robotryst Zonal Round	2 nd	Robotics and IIT, Delhi
		K.Guru Prakash	Robotryst Zonal	2 nd	Robotics and IIT,

			Round		Delhi
		R.Jithinraj	Robotyrst Zonal Round	3 rd	Robotics and IIT, Delhi
		S.Balamurugan	Robotyrst Zonal Round	3 rd	Robotics and IIT, Delhi
		K.Priya	Technical Paper presentation	1 st	PSR Engineering College
3.	2011-2012	P.Deepa	Paper Presentation	3 rd	National Engineering College
		S. Swathika	Paper presentation	2 nd	Mohamed Sathak Engineering College

Students Participated in Events (other than the above):

SI. No	Academic Year	Name of the students	Event	Institute
	2013-2014	D.Kamaraj	Multimedia	KLN College of Engineering
		M.Prasath Kumar	Multimedia	KLN College of Engineering
		N.Venkateshwaran	Paper Presentation	KLN College of Engineering
		K.Priya	Paper Presentation	Mepco Schlenk Engineering College
		S.Sweetlin	Project Presentation	Hindusthan College of Engg and Tech
		M.Shunmuga Pavithra	Project Presentation	Hindusthan College of Engg and Tech
		S.Vinothini	Project Presentation	Hindusthan College of Engg and Tech
		K.Priya	Paper Presentation	PSR Engineering College
		M.Vaishnavi	Paper Presentation	Narayanaguru College of engineering
		A.Syed Sharmila Fathima	Paper Presentation	Narayanaguru College of engineering
		M.Thivya	Paper Presentation	S.Veerachamy Chettiar Engg college
		R.Sowmiya	Multimedia Presentation	KLN College of Engineering
		T.V.Sathiya Sankari	Paper Presentation	S.Veerachamy Chettiar engg college
		M.Thirumalai Selvi	Paper Presentation	S.Veerachamy Chettiar Engg college
		S.Uma Bharathi	Paper Presentation	Ramanathapuram Govt Engg College

2012-2013	R.Alagarsamy	Robotics Competition	Robotyrst with IIT, Delhi
	T.Muniasamy@Suresh	Robotics Competition	Robotyrst with IIT, Delhi
	H.Lahooth Vashique Imrahn	Robotics Competition	Robotyrst with IIT, Delhi
	J.James Rajkumar	Robotics Competition	Robotyrst with IIT, Delhi
	M.Shunmuga Pavithra	Multimedia Presentation	KLN College of Engineering
	A.Titus	Paper Presentation	PSRR College of Engineering for Women
	K.Priya	Paper Presentation	PSR Engineering College
	R.N.Nivethitha	Paper Presentation	MEPCO Engineering College
	K.Priya	Project Presentation	PSR Engineering College
	R.N.Nivethitha	Paper Presentation	PSR Engineering College
	R.Aruna @ Saranya	Project Presentation	PSR Engineering College
	S.Priyanka	Paper Presentation	National Engineering College
	N.Rajalakshmi	Paper Presentation	Thiyagaraja Engg College
	M.Thirumalai Selvi	Paper Presentation	Thiyagaraja Engg College
	S.Priyadharsini	Paper Presentation	National Engineering College
2011-2012	V.Pradeep	Paper presentation Project display	Prathyusha Institute of Technology and Management
	V. Vinodh kannan	Paper presentation Project display	Prathyusha Institute of Technology and Management
	G.Renuka devi	Paper presentation	Mohamed sathak Engineering College
	S.Swathika	Technical talk	Mohamed Sathak Engineering College
	D.Seetha lakshmi	Paper presentation	Odaippa College of Engineering and Technology
	K.Porselvi	Paper presentation	Odaippa College of Engineering and Technology
	K.Priya	Paper Presentation	PSR Engineering

				College
		R.N.Nivethitha	Paper Presentation	PSR Engineering College

○ Participation of social activities

S.No	Name of the Programme	Chief Guest	Total No. of Students	Date
1	HIV/AIDS Awareness Programme	Mrs.Uma & Mr.Kaliappan Virudhunagar	150	05.10.2013

○ Participation in blood donation camp

S.No	Name of the Programme	Chief Guest	Total No. of Students	Date
1	Blood Donation camp	Dr.Suganthakumari, Govt. Hospital Sankarankovil.	120	08.10.2013
2	Awareness on Dengue Fever & Blood Donation	Dr.Ayyannar MBBS Govt. Hospital Sivakasi	120	15.2.2013

● Faculty:

- Present technical papers in international/national conferences / seminars

List given in Question No: 14

- Publish technical papers in reputed journals

List given in Question No: 14

Delivering lecture in faculty development programs

S.No	Name of the faculty	Title	Organized by	Date
1.	Dr.P.Marichamy	Recent Trends in Communication Technologies	Mannar Thirumalai Arts College, Madurai	05.03.2012
2.	Dr.K.Valarmathi	Neural network and Fuzzy logic applications	M.Kumarasamy College of Engineering, Karur	28.02.2013
		Real coded Genetic algorithm for PID controller tuning	Kalasalingam University	2.2.2013
		fuzzy optimization for image processing & control system applications	Sethu Institute of Technology	3.12.2012

		Computer control of process	M.Kumarasamy College of Engineering, Karur	17.09. 2012
		Research methodology	V.V.Vanniaperumal College for women	12.01,2010
		GA based PID Controllers	ISTE/AKCE-Students Chapter	11.03. 2005.
3.	Dr. P. Ranjith kumar	Advanced Embedded System Design	PSRR college of Engg for Women	23.01. 2014.
		An Optimization Techniques for Engineering Applications	Sudharsan Engineering College, Pudukkottai.	19.11. 2011
		AICTE Sponsored FDP on “Image Processing and its Application: A Decision Support System for Healthcare	K.S.R.College of Technology, Tiruchengode.	06.02.2012 to 18.02. 2012
		AICTE Sponsored FDP on Pattern Recognition for Medicine: A Knowledge Engineering Approach	K.S.R.College of Technology, Tiruchengode.	20.06.2011 to 01.07.,2011

○ Taking responsibilities on administrative activities

S.No	Name of the Faculty	Administrative Responsibilities
1.	Dr. P.Marichamy	• Dean Academic • Head of the Department • Research and Development • Member Board of Management • Member of Academic Council • Chairman of ECE Dept. BOS
2.	Dr. K.Valarmathi	• Coordinator – IEEE • Research and Development
3.	Dr.P.Ranjith kumar	• Member BOS meeting • Member – ISTE Activities • Staff in-charge – Innovation cell
4.	Mr. C.K.Ramar	• Coordinator - ISTE
5.	Mrs.J.Meena	• Coordinator - IETE
6.	Mr.G.Lingasamy	• Member - IEEE
7.	Mr.N.S.Yogaananth	• Coordinator –Institute of Engineers , • Learn online
8.	Mr.N.Rajesh	• Industry Institution Interaction Cell
9.	Mr.R.Arun kumar	• Alumni Association
10.	Mrs.R. Meena Prakash	• College Magazine

11.	Ms.S.Sonia	• Press and Publicity
12.	Mr.A.Athimoolam	• YRC – Coordinator • Department Library Incharge
13.	Mr.S.Balasubramaniam	• RRC - Coordinator
14.	Ms.K.Krishnapraba	• Department Placement Coordinator
15.	Mr. S.Shanmugaraja	• Department Association Coordinator
16.	Mrs. K.Ramalakshmi	• Department Placement Coordinator (Asst.)

36. Give details of “beyond syllabus scholarly activities” of the department.

- Students are motivated to attend seminar/symposium/conferences, value added Course like Embedded systems, Labview ,Matlab , C , C++ etc.,
- Continuing education programs like
- BEC Course, Online test to enrich their Communication Skills
- Institution Allows the student for Implant Training, Internship Programs and Industrial Visit every year
- Regular guest lecture by industrial experts
- Encouraging the students to participate project contest, paper presentation etc.,

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- Yes. certified with **ISO 9001:2008** by **Germanischer Lloyd**
- Yes. accredited by **National Board of Accreditation (NBA) on May 2009 for Three years**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

- Strength:
 - Stable and dedicated staff members.
 - Well disciplined and hard working students.
 - Good Infrastructure
 - Amicable working atmosphere.
 - Good staff-student relationship.
- Weakness:
 - Number of publications in referred journals is very limited and it should be improved.
 - R&D activities/Consultancy must be improved.
 - Number of students passing in GRE/TOFEL/GATE and an

administrative Service examination is very feeble.

- Most of the students are from rural areas, they are lagging behind in communication skills and it should be improved.
- Placement at campus to be improved
- Opportunities:
 - Curriculum and syllabus are framed in such a way that the students have the opportunity to be placed in core companies.
 - Students participated in many co-curricular and extra-curricular activities in the campus to improve the communication skills and leadership qualities.
 - Students are allowed to do their projects in R&D organizations like ISRO, DRDO, IGCAR, SAMEER etc., to improve their technical knowledge.
 - Placement training programmes, GATE Coaching and counseling organized within the campus regularly for the career development of the students.
 - Faculties are allowed to upgrade the skills by attending Faculty Development Programs, summer schools, winter schools and conferences in reputed institutions.
- Challenges:
 - More number of R&D Projects/Consultancy work to be achieved in the forth coming years.
 - Number of Ph.D. holders in the department to be improved.
 - Journals publications of the staff members to be improved.
 - Campus placement to be improved to a higher level.
 - Students should be motivated to write more GATE/UPSC exams and to bring glory to the department.

39. Future plans of the department.

- To introduce M.E. Communication Systems Engineering
- Planning to get funded projects from government organizations such as DRDO, ISRO, and CSIR etc.
- Planning to get MoU's signed with various universities and companies.
- Planning to improve the consultancy works.
- Planned to organize International Conferences

Department of Information Technology

1. Name of the Department & its year of establishment

Name of the department : **Information Technology**
 Year of establishment : **1999**

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Names of Programmes / Courses offered	Description
B.Tech in INFORMATION TECHNOLOGY	Started with 60 seats in 1999

3. Interdisciplinary courses and departments involved

S.No.	Name of the course	Name of the department	Semester
1.	Digital Principles and System Design	ECE	III
2.	Principles of Communication	ECE	III
3.	Transforms and Partial Differential Equations	MATHS	III
4.	Micro Processor and Micro Controllers	ECE	IV
5.	Probability and Queuing Theory	MATHS	IV
6.	Engineering Economics and Financial Accounting	MBA	V
7.	Digital Signal Processing	ECE	V
8.	Embedded System	ECE	VI
9.	Numerical Methods	MATHS	VI

4. Annual/ semester/choice based credit system

Semester based credit system

5. Participation of the department in the courses offered by other departments

S.No.	Name of the course	Name of the department	Semester
1	Computing fundamentals and 'C' programming	BT, CSE, Civil, Mech, ECE, EEE & IT	I
2	Computer Practice Laboratory – I	BT, CSE, Civil, Mech, ECE, EEE & IT	I
3	Computer Practice Laboratory – II	CSE & MECH	II
4	Operating Systems	EEE	II

5	Computer Networks	EEE	II
6	Data Structures and Algorithms	EEE	III
7	Data Structures and Algorithms Lab	EEE	III
8	Data Structures and C++	ECE	III
9	Data Structures and C++ Lab	ECE	III
10	Professional Ethics in Engineering	Bio-Tech	III
11	Object Oriented Programming	EEE	IV
12	Object Oriented Programming Lab	EEE	IV
13	Computer Architecture and Organization	ECE	V

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	1	
Associate Professors	2	2
Asst. Professors	9	10

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Prof.D.V Pradeep Sankar	M.E(Ph.D)	Asso. Professor	CSE	12	
Prof.A.Ramathilagam	M.E(Ph.D)	Asso. Professor	CSE	13	
Ms.S.Amutha	M.E (Ph.D)	Asst. Professor (Sr. Gr.)	CSE	10	
Mr.B.Guru Prakash	M.E(Ph.D)	Asst. Professor	Network	8	
Mr.S.Thangam	M.E	Asst. Professor	CCE	6	
Mr.A.Veeraiah	M.E	Asst. Professor	Software Engg.	4	
Mr.R. Prabhu	M.E	Asst. Professor	CSE	3	
Ms.N.Jayalakshmi	M.E	Asst. Professor	CSE	6	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Mr.A.Sivaganesh	M.Tech	Asst. Professor	CSE	3	
Ms. G.K.Vidhya	M.E	Asst. Professor	CSE	2	
Ms.P.Jenita	M.E	Asst. Professor	CSE	1	
Mr.M.Edington Alex	M.E	Asst. Professor	CCE	1	

8. Percentage of classes taken by temporary faculty – programme-wise information

Nil

9. Programme-wise Student Teacher Ratio

S.NO.	Programme	Student Teacher Ratio
1	B.Tech – INFORMATION TECHNOLOGY	15:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technician	1	1
Office Assistant	1	1

S.No.	Name	Qualification	Designation	Laboratory	No. of Years of Experience
1.	Mr.S.Karuguvel Ganesan	DCE	Lab Technician	IT Computer Lab	1

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

1. Ongoing projects: Nil
2. Submitted project proposals: Nil

13. Research facility / centre with

- state recognition
- national recognition
- international recognition

Nil

14. Publications:

*** number of papers published in peer reviewed journals (national / international):04**

1. Sangeetha.p., Marichamy.P., and Guruprakash.B., “A Competent Concurrent Multi – Flow Wireless Multimedia Transmissions”, International Journal of Advanced Information Science and Technology, Vol.12, No.21, January 2014.
2. Uloli Thiruvaazhi., Edington Alex.M., (2012) “A Forensic Mechanism to Trace the Master of Distributed Denial – of – Service Attack”, Information Security Journal: A Global Perspective, 21:1, 36 – 46.
3. Veeraiah.A., “Actionable Knowledge Discovery”, International Journal of Computer Engineering and Research, on February 2012.
4. D.V.Pradeep Sankar and K.Muneeswaran,”Performance Analysis of Routing and Wavelength Assignment Algorithms for Hybrid Multicast Networks”, Journal of Computing, Vol.3, issue 9,September 2011.

• number of papers presented in conferences (national / international):18

1. Jayalakshmi.N., “An Efficient Key Management Protocol with Robust Continuity for Wireless Sensor Networks”, National Conference on “Advances in Computers, Communication and Informatics” , V.L.B. Janakiammal College of Engineering and Technology, Coimbatore on 4th March 2010.
2. Jayalakshmi.N., “An Efficient Key Management Protocol with Robust Continuity for Wireless Sensor Networks”, National Conference on Recent Advances in Computer Vision & Information Technology , Government College of Technology, Coimbatore on 7th March 2010.
3. Vidhya G.K., “ Automatic Detection of Geospatial Objects using Multiscale and Multiphase Segmentation”, 7th National Conference on Advanced Image Processing and Networking, National Engineering College, Kovilpatti on 4th & 5th March 2011.
4. Vidhya G.K., “ Automatic Detection of Geospatial Objects using Multiphase Segmentation”, National Conference on Soft Computing, Dr.Sivanthi Aditanar College of Engineering, Tiruchendur on 8th to 9th March 2011.
5. Vidhya G.K., “ Automatic Detection of Geospatial Objects using Multiphase Segmentation”, National Conference on Convergence of IT Research, Mepco Schlenk Engineering College, Sivakasi on 16th March 2011.
6. Pradeep Sankar .D.V., “Effective Utilization of Wavelength for Multicast WDM Mesh Network”, International Conference on Advances in Computing, P.S.G. College of Technology, Coimbatore on January 2012.

7. Edington Alex.M., “Secure User Authentication using Biometrics in Mobile Banking”, 1st International Conference on Futuristic Trends in Computer Science Engineering & Information Technology, Thiruvalluvar College of Engineering and Technology, Vandavasi on 28th and 29th of January, 2012.
8. Veeraiah.A., Guruprakash.B., “Comparison of Rule Based Algorithms for Hiding Supplier based Sensitive Association Rules”, National Level Conference, Sethu Institute of Technology on 20th & 21st February 2012.
9. Pradeep Sankar .D.V., “Improvement of Dynamic Wavelength Assignment for Multicast WDM to Optimize Network Capacity ”, Second National Conference on Recent Ingenious Trends in Engineering – RITE 2012, Sowdambika College of Engineering, Aruppukottai on March 30, 2012.
10. Edington Alex.M., “A Novel Feature At Proxy Server for the Prevention of Intentional Data Leak”, Second National Conference on Innovation in Intelligence and Computing Technologies 2012, Easwari Engineering College, Chennai on 21st March, 2012.
11. Edington Alex.M., “Prevention on sensitive Information from Intentional Leak by the External Agents – Packet Filtering using Steganalysis”, 1st International Conference on Recent Trends in Engineering and Technology, Late Sau. Kantabai Bhavarlalji Jain College of Engineering, Chandwad on 24th and 25th March 2012.
12. Ramathilagam. A., “Cloud Computing and its Security Issues”, Second National Conference on Recent Ingenious Trends in Engineering – RITE 2012, Sowdambika College of Engineering, Aruppukottai on March 30, 2012.
13. Jenita.P., “Secure Authentication using Finger - Images”, International Conference on Emerging Marvels in Information and Computer Science Engineering, Maria College of Engineering and Technology, Attoor on 15th and 16th February 2013.
14. Jenita.P., “Secure Authentication using Finger Print & Finger Vein Biometrics”, International Conference on Innovative Trends in Computing & Technology, The Rajaas Engineering College, Vadakkankulam on 7th and 8th March 2013.
15. Jenita.P., “Finger Image Authentication using Multimodel Technique”, 2nd International Conference on Recent trends in Electrical, Electronics, Communication & Computing Technologies, P.S.R.Rengasamy College of Engineering for Women, Sivakasi on 15.03.2013
16. Jenita.P., Dr.K.Ruba Soundar., “Secure Authentication of Finger Image using Biometrioc Techniques”, National Conference on Information Security and privacy in Cloud Computing, Mohamed Sathak Engineering College, Kilakarai on 3rd April 2013.
17. Jenita.P., “Multimedia Biometric Authentication Techniques on Finger Images” ,4th National conference on Information Science & Engineering, P.S.N. College of Engineering & Technology, Tirunelveli, April 8, 2013.
18. Jenita.P., “Identification of Users using Finger Image Biometric Authentication”, International Conference on Recent Advancements in Engineering & Technology, SSM College of Engineering, Komarapalayam, 19th April – 2013.

- Monographs

Nil

- Chapter(s) in Books

Nil

- Editing Books

Nil

- Books with ISBN numbers with details of publishers

Nil

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

S.No.	Name of the faculty	Listed in International Database
1	Mr.M.Edington Alex	Google Scholar

- Citation Index – range / average
- SNIP
- SJR
- Impact factor – range / average

Nil

15. Details of patents and income generated

Nil

16. Areas of consultancy and income generated

Nil

17. Faculty recharging strategies

- Organizing Faculty Development Programs, Workshops, Seminars and Conferences

S.No.	Title of the programme	Nature of programme	Date
1.	TECHBITA'10	Technical Symposium	25.08.2010
2.	Workshop on FREE OPEN SOURCE SOFTWARE (FOSS)	Workshop	05.03.2011
3.	TECHBITA'11	Technical Symposium	19.03.2011
4.	one day Seminar on "Human Values"	Seminar	02.06.2011
5.	one day Seminar on "Cloud Computing"	Seminar	17.08.2011
6.	INFOSPARKZ'11	Intra College Technical Symposium	22.09.2011
7.	Seminar on Sensor Networks	Seminar	04.02.2012
8.	INFOBLITZ'12	National level Technical Symposium	16.03.2012
9.	one day workshop on "Basic Computer Applications & Communication Skills"	Workshop	30.06.2012
10.	TECHBITA'12 Elocution Competition	Technical	28.07.2012

		Symposium	
11.	Problem Solving in C & C++	Workshop	03.09.2012 & 04.09.2012
12.	Research Issues of Cloud Computing and its Applications	National Seminar	15.09.2012
13.	ITRONZIA'2K12	Two Day National Level Technical Feast	27.09.2012 & 28.09.2012
14.	XPLENDOR'13	National Level Technical Project mania	15.03.2013
15.	Seminar on Cloud Computing	Seminar	17.08.2013
16.	INFOBLITZ'13	One day National Level Technical Symposium	26.09.2013
17.	Seminar on Java Vs .NET	Seminar	01.02.2014

- Motivate the faculty to attend Faculty Development Programs and Workshops

S.No.	Name of the Faculty	Title of the Programme	No. of days
1	D.V.Pradeep Sankar	Web Development with Advanced Java	2 Days
2	D.V.Pradeep Sankar	Image Processing Applications in Remote Sensing and Surveillance	2 Days
3.	D.V.Pradeep Sankar	Research issues in Sensor and Adhoc Networks	1 Day
4.	Mr.D.V.Pradeep Sankar	Ethical Hacking	1 Day
5.	Mr.D.V.Pradeep Sankar	Android Application Development	1 Day
6.	Mr.D.V.Pradeep Sankar	Research Issues of Cloud Computing and its Applications	1 Day
7.	Ms.A.Ramathilagam	Research Issues of Cloud Computing and its Applications	1 Day
8.	Ms.A.Ramathilagam	Research Intensive National Workshop on Cloud Computing	3 Days
9.	Ms.A.Ramathilagam	Free / Open Source Software	13 Days
10.	Ms.A.Ramathilagam	Workshop on Web Technology	2 Days
11.	Ms.A.Ramathilagam	Research Initiative in Soft Computing Techniques	1 Day
12.	Ms.A.Ramathilagam	Workshop on MATLAB	2 Days
13.	Ms.A.Ramathilagam	Recent Advances in Emerging Trends in Life Science Research in Biocloud Bioinformatics using Cloud Computing technologies	2 Days
14.	Ms.A.Ramathilagam	Network Simulation and Cloud Computing	3 Days
15.	Ms.A.Ramathilagam	Sexual Crime Against Women	1 Day
16.	Ms.A.Ramathilagam	Workshop on Ethical Hacking	1 Day
17.	Ms.A.Ramathilagam	A Research perspective issues on Human Computer Interaction	3 Days
18.	Ms.S.Amutha	Network Design, Security and Management	6 Days

19.	Ms.S.Amutha	C# and .Net Framework	3 Days
20.	Ms.S.Amutha	Research Initiative in Soft Computing Techniques	1 Day
21.	Ms.S.Amutha	Wireless Network Simulator using NS - 2	2 Days
22.	Ms.S.Amutha	Information Security Issues & Solutions	2 Days
23.	Ms.S.Amutha	Research Motivation – A Perspective	2 Days
24.	Ms.S.Amutha	Mission 10X	1 Weeks
25.	Ms.S.Amutha	Network Simulation and Cloud Computing	3 Days
26.	Ms.S.Amutha	Big Data Analytics	2 Days
27.	Ms.S.Amutha	Research Motivation – A Perspective	2 Days
28.	Mr.B.Guruprakash	Microsoft .NET	5 Days
29.	Mr.B.Guruprakash	Database Management Systems	2 Weeks
30.	Mr.B.Guruprakash	Workshop on Web Technology	2 Days
31.	Mr.B.Guruprakash	Mission 10X	1 Weeks
32.	Mr.B.Guruprakash	Network Simulator – 2 (NS-2)	2 Days
33.	Mr.B.Guruprakash	Research issues in Sensor and Adhoc Networks	1 Day
34.	Mr.B.Guruprakash	Network Simulation and Cloud Computing	3 Days
35.	Mr.B.Guruprakash	Network Protocol and its Applications	1 Day
36.	Mr.S.Thangam	Teaching Skills and Quality Education	3 Days
37.	Mr.S.Thangam	Recent Advances in Emerging Trends in Life Science Research in Biocloud Bioinformatics using Cloud Computing technologies	2 Days
38.	Mr.S.Thangam	Research issues in soft computing techniques for Nuclear Energy Systems	2 Days
39.	Mr.S.Thangam	A Research perspective issues on Human Computer Interaction	3 Days
40.	Mr.S.Thangam	.NET	8 Days
41.	Mr.A.Veeraiah	Emerging Trends in Information Technology	2 days
42.	Mr.A.Veeraiah	Perspectives on Thrust Areas in Computer Applications	2 Days
43.	Mr.A.Veeraiah	Teaching Skills and Quality Education	3 Days
44.	Mr.A.Veeraiah	IT71 – Service Oriented Architecture(Summer&Bridge Course)	1 Week
45.	Mr.A.Veeraiah	Recent Advances in Emerging Trends in Life Science Research in Biocloud Bioinformatics using Cloud Computing technologies	2 Days
46.	Mr.A.Veeraiah	Research Issues in Soft Computing techniques for Nuclear Energy Systems	2 Days
47.	Mr.A.Veeraiah	Research Issues in Web Mining	2 Days
48.	Mr.A.Veeraiah	Research Issues in Digital Image Processing	1 Day
49.	Mr.R.Prabhu	Recent Advances in Emerging Trends in Life Science Research in Biocloud Bioinformatics using Cloud Computing technologies	2 Days
50.	Mr.R.Prabhu	Faculty Empowerment Program	6 Days

51.	Mr.R.Prabhu	Haptic Technology	1 Day
52.	Mr.R.Prabhu	A Research perspective issues on Human Computer Interaction	3 Days
53.	Ms.N.Jayalakshmi	Workshop on Web Technology	2 Days
54.	Ms.N.Jayalakshmi	Workshop on Grid Computing Tools	1 Day
55.	Ms.N.Jayalakshmi	Network Security	2 Days
56.	Ms.N.Jayalakshmi	IT71 – Service Oriented Architecture(Summer&Bridge Course)	1 Week
57.	Mr.A.Sivaganesh	IBM Mainframe Training	2 Months
58.	Mr.A.Sivaganesh	Teaching Skills and Quality Education	3 Days
59.	Mr.A.Sivaganesh	Skilledge – Problem Solving in C & C++	2 Days
60.	Mr.A.Sivaganesh	Database Management Systems	2 Days
61.	Mr.A.Sivaganesh	Research issues in soft computing techniques for Nuclear Energy Systems	2 Days
62.	Mr.A.Sivaganesh	A Research perspective issues on Human Computer Interaction	3 Days
63.	Mr.A.Sivaganesh	Recent Advances in Emerging Trends in Life Science Research in Biocloud Bioinformatics using Cloud Computing technologies	2 days
64.	Ms.G.K.Vidhya	Faculty Empowerment Program	6 Days
65.	Ms.G.K.Vidhya	Research issues in Sensor and Adhoc Networks	1 Day
66.	Ms.G.K.Vidhya	Haptic Technology	1 Day
67.	Ms.G.K.Vidhya	Mobile Conference 2012	1 Day
68.	Ms.G.K.Vidhya	Workshop on MATLAB	2 Days
69.	Ms.P.Jenita	Faculty Empowerment Program	6 Days
70.	Ms.P.Jenita	Workshop on MATLAB	2 Days
71.	Mr.M.Edington Alex	National Programme on Technology Enchanced Learning	1 Day
72.	Mr.M.Edington Alex	Workshop on Web Security & Cyber Crime	1 Day
73.	Mr.M.Edington Alex	1 Day Ethical Hacking and Forensk Investigation Workshop	1 Day
74.	Mr.M.Edington Alex	Project based talent Search Contest	2 Days
75.	Mr.M.Edington Alex	Introduction to Programming through C	3 Days
76.	Mr.M.Edington Alex	Recent Advances in Emerging Trends in Life Science Research in Biocloud Bioinformatics using Cloud Computing technologies	2 days

- Motivate the faculty to present Paper in Conferences

List given in Question No: 14

S.No.	Name of the Faculty	Number of papers	
		Published in Journals	Presented in conference
1	Mr.D.V.Pradeep Sankar	1	2
2	Ms.A.Ramathilagam	-	1
3	Mr.B.Guru Prakash	1	1
4	Ms.N.Jayalakshmi	-	2
5	Mr.A.Siva Ganesh	1	-
6	Ms.G.K.Vidhya	-	3
7	Ms.P.Jenita	-	6
8	Mr.M.Edington Alex	1	3
9	Mr.A.Veeraiah	1	1

- Organizing guest lectures

S.No.	Title of the programme	Date
1	Guest Lecture on Dot NET	11.02.2011
2	Guest Lecture on Cloud Computing	10.08.2011
3	Guest Lecture on 4G Wireless Technology	03.09.2011
4	Guest Lecture on Cloud Infrastructure and its services	20.09.2013
5	Guest Lecture on Getting started with ANDROID APP Development	11.01.2014

- Organizing counseling programmes

S.No.	Title of the programme	Date
1	Life Skills	28.09.2013

18. Student projects

- percentage of students who have done in-house projects including inter-departmental

- percentage of students doing projects in collaboration with industries / institutes

S.No.	Academic Year	percentage of in-house projects	percentage of industrial projects
1	2013-14	100%	-
2	2012-13	91.4%	8.6%
3	2011-12	100%	-
4	2010-11	100%	-

19. Awards / recognitions received at the national and international level by

- Faculty: Nil
- Doctoral / post doctoral fellows : Nil
- Students

S.No.	Description	National / International	No. of students
1.	MCTS	International	20
2.	BEC Preliminary	International	7

- University Rank Holders

S.No.	Name of the Student	Year	University	Rank
1.	K.Shakthi Priya	2011	Anna University, Tirunelveli	24 th Rank
2.	G.S.Saritha	2011	Anna University, Tirunelveli	32 nd Rank
3.	B.Priya	2011	Anna University, Tirunelveli	36 th Rank
4.	R.Uma	2012	Anna University, Chennai	12 th Rank
5.	M.Manikandan	2013	Anna University, Chennai	20 th Rank
6.	A.Deepika Sri Subha	2013	Anna University, Chennai	29 th Rank

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S.No.	Title of the programme	Source of Funding	Nature of programme	Date	No. of participants	outstanding participants
1.	Infosparkz'10	Department Association	Intra College Technical Symposium	6.02. 2010	81	M.Nishadevi/ PSREC

2.	Xplendor'10	Department Association	Technical Fest	26.02.2010	22	Dr.V.Srinivasa Raghavanv M.E., Ph.D., Principal, PSREC
3.	Free Open Source Software (FOSS)	Department Association	Workshop	5.03.2011	55	R.Sinduja T.Anitha PSREC
4.	Infosparkz'11	Department Association	Intra College Technical Symposium	20.09.2011	369	D.Vinothkumar S.Sajithkumar PSREC
5.	Infoblitz'12	Department Association	National Symposium	16.03.2012	75	S.Mahendar S.Kamaraj PSREC
6.	Itronzia '12	Department Association	Technical Fest	26.09. 2012 & 27.09. 2012	108	E.Manikandan T.Thangaramesh SCADCE
7.	One day National Seminar on Research Issues of Cloud Computing and its Applications	AICTE	Seminar	15.09. 2012	21	G.Saravana Prabhu PSREC
8.	Infoblitz'13	Department Association	National Symposium	27.09.2013	31	P.Karthikeyan C.Jeyaraj BNEC
9.	Two Days Workshop on Problem Solving Skills in C and C++	Department Association	Training	03.09.2012 & 04.09.2012	07	N.Kowsalyadevi PSREC
10.	Xplendor'13	Department Association	Project Mania	15.03.2013	57	K.Sheela J.Sujatha VPMM
11.	Technical and Softskills	ICTACT	Training	23.7.2012	39	J.Arul Princi PSREC

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Academic year	Selected		Pass percentage	
			Male	Female	Male	Female
B.Tech in INFORMATION TECHNOLOGY	-	2012-2013	23	12	60.8% (14/23)	83.3% (10/12)
		2011-2012	30	30	53.3% (16/30)	83.3% (25/30)
		2010-2011	36	30	75% (27/36)	90% (27/30)
		2009-2010	28	38	85.7% (24/28)	89.4% (34/38)

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Tech (IT)	NA	100%	-	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S.No	Competitive Examinations	No. of students cleared
1	GATE	2(2009-2010)
2	TNPSC	1(2009-2010)

24. Student progression

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG	45.5(30/66)	22.7(15/66)	18.3%(11/60)	2.8% (1/35)
PG to M.Phil.	-	-	-	Not Applicable
PG to Ph.D.	-	-	-	Not Applicable
Ph.D. to Post-Doctoral	-	-	-	Not Applicable
Employed				
• Campus selection	18%(12/67)	7.5%(5/66)	5%(3/60)	42.8%(15/35)
• Other than campus recruitment	59.7%(40/67)	53(35/66)	41(25/60)	57%(20/35)
Entrepreneurs	-	-	-	-

25. Diversity of staff

Percentage of faculty who are graduates			
	UG	PG	Ph.D
of the same parent university	33% (4/12)	91.6%(11/12)	-
from other universities within the State	67% (8/12)	8.4(1/12)	-
from other universities from other States	-	-	-

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Nil

27. Present details about infrastructural facilities

a) Library (Department)

- Area: 85 Sq.M
- Number of Titles: 126
- Number of Books: 445
- Daily News Paper: 01

b) Internet facilities for staff and students

- For staff: Computers are provided in faculty rooms. LAN and WIFI facilities are available in all faculty rooms.
- For Students: Internet facilities are provided in IT computer laboratory in the department. A common computer center is also providing internet facility. WIFI facility is also provided to all the students.

c) Total number of class rooms: 04

d) Class rooms with ICT facility: 01 (Seminar Hall)

e) Students' laboratories: 04

f) Research laboratories: Nil

28. Number of students of the department getting financial assistance from College.

Nil

29. Was any need assessment exercise undertaken before the development of new program(s)?

If so, give the methodology.

- Demand of the programme is taken as base
- Feedbacks from Senior Faculty Members of the Department, Academic Experts, Industrial Experts and Alumni Members.
- Suggestions from Board of management

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- Yes. The opinions / suggestions are obtained from the faculty members based on their specialization and expertise.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- Yes. Every semester feedbacks are collected from the students for each and every faculty member. Based on their evaluation appreciation / counseling is given to the respective members to improve their performance.

c. alumni and employers on the programmes and what is the response of the department to the same?

- Yes. The opinions / suggestions are obtained from the alumni and employers to improve the curriculum. They are one among the members of Board of studies.

31. List the distinguished alumni of the department (maximum 10)

S. No	Name Of The Alumni	Batch	Organization	Position
1	N.Vishok Narayanan	2009-2013	Cognizant Technology Solutions	Software Engineer
2	M.Manikandan	2009-2013	Syncfusion Software Pvt Limited	Software Engineer
3	M.Abdul Matin	2008-2012	Syncfusion Software Pvt Limited	Software Engineer
4	M.Rajeshwari	2008-2012	Wipro Technologies	Software Engineer
5	R.Vidhya Lakshmi	2007-2011	Sri Vidhya College Of Engineering & Technology	Assistant Professor
6	S.Devika	2007-2011	Symbol Solution	Programming Lecture

7	K.Shakthi Priya	2007-2011	Wipro Technologies	Software Engineer
8	S.Siva Kumar	2006-2010	Cognizant Technology Solutions	Software Engineer
9	B.Aarthi Devi	2006-2010	Technosoft Corporation	HR
10	S.Maruthi Shunmugam	2007-2010	Cognizant Technology Solutions	Software Engineer

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

S.No	Title of the programme	Guest	Date
Paper presentation & Technical competitions			
1.	TECHBITA'10	Dr.V.Srinivasa Raghavan, Principal, PSREC, Sivakasi	25.08.2010
2.	TECHBITA'11	Dr.V.Srinivasa Raghavan, Principal, PSREC, Sivakasi	19.03.2011
3.	INFOSPARKZ'11	Thiru.R.Solaisamy, The Correspondent, P.S.R.Engineering College, Sivakasi	22.09.2011
4.	INFOBLITZ'12	Dr.R.Sukumar,M.E.,Ph.D., Professor, Department of CSE, Sethu Institute of Technology, Kovilpatti	16.03.2012
5.	TECHBITA'12	Dr.K.R.Viswanathan,ME.,Ph.D., Principal, P.S.R.Engineering college, Sivakasi	28.07.2012
6.	ITRONZIA'2K12	Mr.J.S.Sukumar, Director, Winways Informatics Pvt. Ltd., Madurai.	27.09.2012 & 28.09.2012
		Mr.M.Krishnan, Senior Manager-HR, Excelacom Technologies Pvt. Ltd., Chennai.	
7.	XPLENDOR'13	Dr.S.Padmavathi, Professor/CSE Thiagarajar College of Engineering, Madurai	15.03.2013
8.	TECHBITA'13	Dr.K.R.Viswanathan,ME.,Ph.D., Principal, P.S.R.Engineering college, Sivakasi	17.08.2011
9.	INFOBLITZ'13	Dr.V.Kalaivani, M.E.,Ph.D., Professor, Department of CSE, National Engineering College, Kovilpatti.	26.09.2013

Workshop			
10.	Workshop on FREE OPEN SOURCE SOFTWARE (FOSS)	Dr.V.Srinivasa Raghavan, Principal, PSREC, Sivakasi	05.03.2011
11.	Workshop on Soft Skills	Thiru. Correspondent, P.S.R.Engineering College, Sivakasi	29.11.2011
12.	One day workshop on “Basic Computer Applications & Communication Skills”	Dr.K.R.Viswanathan,ME.,Ph.D., Principal, P.S.R.Engineering college Sivakasi	30.06.2012
13.	Workshop on SOFT SKILLS TRAINING PROGRAM FOR TECHNICAL STAFF	Thiru. Correspondent, P.S.R.Engineering College, Sivakasi	30.06.2012
14.	Problem Solving in C & C++	Mr.G.Venkatesh CTS – Senior Manager in Training & Development	03.09.2012 & 04.09.2012
Guest Lecture			
15.	Guest Lecture on Software Development Program	Ms.Kiruthika, Software Engineer, CTS, Hydrabad	24.07.2010
16.	Guest Lecture on Dot NET	Mr.MuthuManavandi Sanyu Software Technologies Ltd, Sivakasi.	11.02.2011
17.	Guest Lecture on 4G Wireless Technologies	Dr.Sricharan, Project Manager, WIPRO Technologies, Bangalore.	11.02.2011
18.	Guest Lecture on Vehicular Networks	Mr.D.V.Pradeepsankar, AP(Sl.Gr.)/IT, P.S.R.Engineering College	26.02.2011
19.	Guest Lecture on Distributed Computing	Ms.A.Ramathilagam, AP(Sl.Gr.)/IT, P.S.R.Engineering College	09.07.2011
20.	Guest Lecture on Health Life	Mr.Arumugam, JCI, Sivakasi.	06.08.2011
21.	Guest Lecture on Cloud Computing	Mr.MuthuManavandi Sanyu Software Technologies Ltd, Sivakasi.	10.08.2011
22.	Guest Lecture on 4G Wireless Technology	Dr.Sricharan, Project Manager, WIPRO Technologies, Bangalore.	03.09.2011
23.	Guest Lecture on Cloud Infrastructure and its services	Prof.V.Ganesh Kumar, Prof. & Head/IT, Sree Sowdambika College of Engineering, Aruppukkottai.	20.09.2013
24.	Guest Lecture on Getting started with ANDROID APP Development	Ms.Aarthi Devi, HR, Tecnosoft Corporation, Bangalore.	11.01.2014
Seminar / Conference			

25.	one day Seminar on “Human Values”	Mr.Arumugam, JCI, Sivakasi.	02.06.2011
26.	one day Seminar on “Cloud Computing”	R. Dhamotharakannan, B.Tech Project Manager, VELMOC Foundation / OpenClubs LSE	17.08.2011
27.	Seminar on Sensor Networks	Mr.K.Rubasoundar, Prof. & Head/CSE, P.S.R.Engineering College.	04.02.2012
28.	Research Issues of Cloud Computing and its Applications	Dr.S.Thamaraiselvi, Dean, MIT Campus, Chennai	15.09.2012
		Dr.D.Manimegalai, Prof.&Head,NEC,Kovilpatti	
		Prof.G.Kannan, Senior Research Associate, MIT campus, Chennai	
29.	Seminar on Cloud Computing	Ms.A.Ramathilagam, AP(Sl.Gr.)/IT, P.S.R.Engineering College	17.08.2013
30.	Seminar on Java Vs .NET	Mr.MuthuManavandi Sanyu Software Technologies Ltd, Sivakasi.	01.02.2014

33. List the teaching methods adopted by the faculty for different programmes.

- Lecture by Chalk and Talk
- Lecture with a quiz / questions
- Tutorial
- Demonstration (Such as model, laboratory, field visit)
- Group Discussion
- Group Assignment/ Project
- Presentations
- Through Learn on line - **Moodle** is in use to perform various activities like group assignments / group projects and to share the materials.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Bi-weekly test for all the theory courses is conducted by the department.
- Internal Assessment Tests (3 Nos. / Semester) are conducted by the examination cell.
- The performance is analyzed in the class committee meeting. The class committee is constituted by the regulations of the Anna University. The class committee is having the following members:
 - A senior faculty member as chair person,

- Student members (selective students from top, middle and bottom level),
- Subjects handling staff,
- Class advisors
- The difficulties faced by the student and staff are discussed in the class committee and the same is forwarded to Head of the Department and Principal for necessary action.
- For project work, regular reviews (3 Nos.) are conducted by the department.

35. Highlight the participation of students and faculty in extension activities.

- Students:
 - Participation in inter and intra college symposiums, paper presentations.

S.No	Name of the student	year of study	Event name	Organization	Date
1.	P.Karthikeyan R.Mathan Kumar	Second Year	Workshop HACKTRACK	Coimbatore Institute of Technology	10.1.2014 & 11.1.14
2.	B.Mary Jothi K.Senaka	Second Year	Workshop on ROBOTICS	Coimbatore Institute of Technology	24.1.2014 & 25.01.2014
3.	R.Pavithra M.Shamli	Second Year	Hands on Workshop on MATLAB	Sri Vidhya College of Engineering and Technology	31.01.14 & 1.02.14
4.	B.Saravanakumar P.Vikash Balakrishna M.Mohammed Hakkim	Third Year	Cloud Computing (Paper presentation)	Velammal College Engineering	28.09.2013
5.	N.Dinesh Kumar B.Saravanakumar P.Vikash Balakrishna M.Mohammed Hakkim S.Bhagavathgeetha T.V.Sudhira	Third Year	Conference	SAPTECH University, Bangalore.	28.9.13
6.	B.Saravana Kumar P.Vikash Balakrishna E.Vasanth Ezhilraj	Third Year	Ethical Hacking (Workshop)	Sri Vidhya College of Engineering and Technology	31.10.2013
7.	S.Bhagavathgeetha T.V.Sudhiraa M.Gayathri	Third Year	Ethical Hacking & Cyber Forencis (Workshop)	Coimbatore Institute of Technology.	24.01.2013

8.	T.V.Sudhiraa T.Saranya	Third Year	Neurocop (Paper presentation)	National Engineering College	6.09.2013
9.	T.Saranya N.T.Gayathri	Third Year	Neurocop (Paper presentation)	P.T.R. Engineering College	28.9.2012
10.	N.T.Gayathri J.Meena M.Dhivya	Third Year	Workshop	National Engineering College	29.01.2014 & 30.01.2014
11.	S.Velmani A.Swetha	Third Year	Paper Presentation	Chennai Institute of Technology	10.02.2014
12.	K.Priya S.Velmani S.Sindhiya Elavarasi	Third Year	InPlant Training	Runix Technology	17.12.2013 & 19.12.2013
13.	A.Swetha J.Lavanya Devi N.T.Gayathri J.Meena M.Dhivya S.Karthika	Third Year	InPlant Training	Runix Technology	13.06.2013 14.06.2013 & 15.06.2013
14.	A.Swetha T.V.Sudhiraa	Third Year	InPlant Training	Ramco Cements Limited	24.12.2012 & 25.12.2012
15.	T.V.Sudhiraa E.Dharsana T.Saranya S.Suganya S.Sathyabama S.Mahadevi	Third Year	InPlant Training	Eye Net Software Technology	18.12.2013 & 20.12.2013
16.	M.Dhivya J.Lavanya Devi	Third Year	Paper Presentation	Mepco Schlenk Engineering College	5.9.2013
17.	N.T.Gayathri	Third Year	Paper Presentation	Mepco Schlenk Engineering College	31.8.2013
18.	S.A.T.Lakshmi Narayanan N.Dhinesh Kumar E.Vasanth EzhilRaj P.Manikandan S.Prabhakar	Third Year	Resilience T'13 (Ad-zap)	P.S.R Engineering College	31.8.2013
19.	B.Saravana Kumar E.Vasanth Ezhil raj	Third Year	Paper Presentation	P.S.R Engineering College	18.2.2012
20.	K.Priya L.Selvameena	Third Year	Paper Presentation	P.S.R Engineering College	31.8.2013
21.	S.Velmani S.RajaRajeshwari S.Suganya E.Dharshana	Third Year	Model Making	P.S.R Engineering College	15.09.2012
22.	M.Mohammed	Third	Quiz	P.S.R Engineering	15.09.2012

	Hakkim E.Vasanth Ezhil Raj P.Vikash Balakrishna	Year		College	
23.	M.Mohammed Hakkim P.Vikash Balakrishna	Third Year	Workshop	P.S.R Engineering College	8.06.2013
24.	M.Mohammed Hakkim P.Vikash Balakrishna	Third Year	In Plant Training	P.S.R Engineering College	6.06.2013 & 7.06.2013
25.	A.Swetha K.Sasikala N.T.Gayathri T.Saranya J.Meena M.Dhivya	Third Year	Rare Collection	P.S.R Engineering College	15.09.2012
26.	S.Ramvinoth	Final Year	Android (Workshop)	PSG College of Technology	17.03.2012
27.	R.Venkatesh	Final Year	Android (Workshop)	PSG College of Technology	17.03.2012
28.	S.Aravind	Final Year	Android (Workshop)	PSG College of Technology	17.03.2012
29.	S.Ramvinoth	Final Year	Android (Workshop)	P.S.R. Engineering College	15.10.2012 & 16.10.2012
30.	M.Nagaraj	Final Year	Android (Workshop)	P.S.R. Engineering College	15.10.2012 & 16.10.2012
31.	N.Packianathan	Final Year	Android (Workshop)	P.S.R. Engineering College	15.10.2012 & 16.10.2012
32.	T.Satheesh	Final Year	Android (Workshop)	P.S.R. Engineering College	15.10.2012 & 16.10.2012
33.	D.Selvakumar	Final Year	Android (Workshop)	P.S.R. Engineering College	15.10.2012 & 16.10.2012
34.	S.Gnanaguru	Final Year	Android (Workshop)	P.S.R. Engineering College	15.10.2012 & 16.10.2012
35.	B.Marimuthu	Final Year	Android (Workshop)	P.S.R. Engineering College	15.10.2012 & 16.10.2012
36.	M.Mohanlal	Final Year	Android (Workshop)	P.S.R. Engineering College	15.10.2012 & 16.10.2012
37.	G.Gowthaman	Final Year	Android (Workshop)	PSG College of Technology	17.3.2012
38.	D.Selvakumar	Final Year	Android (Workshop)	PSG College of Technology	17.3.2012

39.	M.Mangaleswari N.BalaNanthini	Final Year	Paper Presentation	Kamaraj College Of Engineering	11.10.2013
40.	M.Mangaleswari S.Anitha Priyanga	Final Year	Android Workshop	P.S.R Engineering College (C.S.E Dept)	15.10.2012 & 16.10.2012
41.	K.Dhivya Lakshmi N.BalaNanthini	Final Year	Paper Presentation	Sri sowdambika College Of Engineering	18.09.2012
42.	S.Sri Naga Nanthini M.Asiya Mariyam	Final Year	Android Workshop	P.S.R Engineering College	15.10.2012 & 16.10.2012
43.	G.Ponumuneeswari S.Prethiba Mary Margret	Final Year	Paper Presentation	Sri Vidya College Of Engineering	30.10.2013
44.	S.Sountharya J.Rupalingam	Final Year	Paper Presentation	Velammal College Of Engineering	6.09.2013
45.	S.Prethiba Mary Margret J.Rupalingam	Final Year	Paper Presentation	J.P.Engineering College	26.09.2012
46.	R.Ram babu	Final Year	Implant Training on Java Technology	Mezoblanca Solutions,Madurai	4.6.2012 To 6.6.2012
47.	R.Ram babu	Final Year	Implant Training on .Net Technology	Mejestic People,Coimbatore	14.12.2011 To 17.12.2011
48.	R.Ram babu	Final Year	Seminar on Cloud Computing	Mezoblanca Solutions,Madurai	8.6.2012
49.	R.Ram babu	Final Year	Conference	Sap Techniversity,Bangal ore	28.9.2013
50.	R.Ram babu	Final Year	Workshop on Android App Fundamentals Development	Botrio Design Labs	17.2.2012 To 18.2.2012
51.	R.Ram babu	Final Year	Workshop on Android Programming on Application Development	Geokslab Technology Private Limited	10.2.2012 To 11.2.2012
52.	R.Ram babu	Final Year	Workshop on Mobile Applications and Gaming Development	Mepco Schlenk Engineering College,Sivakasi	2.9.2012

53.	R.Ram babu	Final Year	Workshop on Mobile Computing	MAM College of Engineering,Thiruchirappalli	9.3.2013
54.	R.Ram babu	Final Year	Inplant Training	BSNL,Madurai SSA	4.6.2012 to 9.6.2012
55.	R.Ram babu	Final Year	Paper Presentation(A NU TTA)	Kalasalingam University	2.3.2013
56.	R.Ram babu	Final Year	Paper Presentation	National Engineering College,Kovilpatti	6.2.2013 to 7.2.2013
57.	R.Ram babu	Final Year	C Debugging	National Engineering College,Kovilpatti	6.2.2013 to 7.2.2013
58.	R.Ram babu	Final Year	Quiz	National Engineering College,Kovilpatti	6.2.2013 to 7.2.2013
59.	R.Ram babu	Final Year	Web Surfing	National Engineering College,Kovilpatti	6.2.2013 to 7.2.2013
60.	R.Ram babu	Final Year	Paper Presentation	P.S.R Engineering College	1.9.2012

○ Active participation of cultural events

S.No	Name of the student	year	Event name	Organization	Date
1.	A.Swetha T.V.Sudhiraa J.Lavanya Devi S.Sindhuja Elavarasi	Third Year	Rangoli	P.S.R Engineering College	15.09.2012
2.	J.Meena M.Dhivya L.SelvaMeena G.SelvaRani	Third Year	Rangoli	P.S.R Engineering College	15.09.2012
3.	S.Velmani S.RajaRajeshwari S.Suganya K.Priya	Third Year	Rangoli	P.S.R Engineering College	15.09.2012

○ Participation of social activities

S.No	Name of the student	year	Event name	Date
1	S.A.T.Lakshmi Narayanan	ThirdYear	Interactive Training Program	17.03.2013
2	N.Dineshkumar	ThirdYear	Interactive Training Program	17.03.2013
3	E.Vasanth Ezhilraj	ThirdYear	Interactive Training Program	17.03.2013
4	P.Vikash Balakrishna	ThirdYear	Interactive Training Program	17.03.2013
5	S.karthika	ThirdYear	Interactive Training Program	17.03.2013

6	S.Mahadevi	ThirdYear	Interactive Training Program	17.03.2013
7	N.T.Kayathri	ThirdYear	Interactive Training Program	17.03.2013
8	T.V.Sudhiraa	ThirdYear	Interactive Training Program	17.03.2013
9	T.Saranya	ThirdYear	Interactive Training Program	17.03.2013
10	K.Sasikala	ThirdYear	Interactive Training Program	17.03.2013
11	N.Sathyabama	ThirdYear	Interactive Training Program	17.03.2013

○ Participation in blood donation camp

S.No.	Name of the student	year	Date
1.	M.Balasubramanian	Final Year	14.05.2012
2.	J.Gopinath	Final Year	14.05.2012
3.	S.Hariprasad	Final Year	14.05.2012
4.	P.Thilagar	Final Year	14.05.2012
5.	T.Satheesh	Final Year	14.05.2012
6.	S.Aravind	Final Year	14.05.2012
7.	G.Gowthaman	Final Year	14.05.2012
8.	B.Marimuthu	Final Year	14.05.2012
9.	R.Prabath	Third Year	14.05.2012
10.	S.Prabakaran	Third Year	14.05.2012
11.	J.Vinoth Kumar	Third Year	14.05.2012
12.	S.Kaikondar	Third Year	14.05.2012
13.	P.Vikashbalakrishnan	Third Year	14.05.2012
14.	S.Jamesvalan	Third Year	14.05.2012
15.	B.Saravanakumar	Third Year	14.05.2012
16.	P.Manikandan	Third Year	14.05.2012

● Faculty:

- Present technical papers in international/national conferences / seminars

List given in Question No: 14

- Publish technical papers in reputed journals

List given in Question No: 14

○ Delivering lecture in faculty development programs

S.No.	Name of the faculty	Title of FDP	Organized by	Date
1.	Mr.A.Veeraiah	Cloud Computing	A.J.Polytechnic College	January 2013

○ Taking responsibilities on administrative activities

S.No	Name of the Faculty	Administrative Responsibilities
1	Prof.D.V Pradeep Sankar	Head of the department & ICTACT Coordinator
2	Prof.A.Ramathilagam	IT Association In charge

3	Ms.S.Amutha	Press and Publicity convener
4	Mr.B.Guru Prakash	Member – YRC
5	Mr.S.Thangam	Member – CSI
6	Mr.A.Veeraiah	Member – CMC
7	Mr.R. Prabhu	Department Placement coordinator
8	Ms.N.Jayalakshmi	Department I Cell Member
9	Mr.A.Sivaganesh	Joint Secretary – Alumni Association
10	Ms. G.K.Vidhya	Secretary - Department BOS
11	Mr.M.Edington Alex	Member – ICTACT

36. Give details of “beyond syllabus scholarly activities” of the department.

- The department is having a laboratory named “Laboratory beyond the curriculum” with the following items:
 - CISCO
 - Computer Service & Maintenance
 - Programming Skills Development in most modern Languages
 - Projects done by students
- Regular industrial visits
- In-plant training by students during semester holidays
- Regular guest lecture by industrial experts
- Encouraging the students to participate project contest, paper presentation etc.,

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- Yes. certified with **ISO 9001:2008** by **Germanischer Lloyd**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

- Strength:
 - Good infrastructure
 - Adequate laboratory and library facilities
 - Qualified faculty members with University Rank holders
 - University Rank holders in consecutive years
 - Excellent staff student ratio
 - Motivate to select good research work that meet out recent technology
 - Value added programmes for students & Staff
- Weakness:
 - Research centre recognition
 - Consultancy services to pick up
 - Patents
 - Less number of Ph.D faculty

- Funded Projects
- Opportunities:
 - Supportive management
 - Modernization in teaching learning process
 - Student's involvement in many co-curricular and extra-curricular activities
 - Soft skill training / Placement training programmes
 - Continuous improvement process for developing students knowledge
 - Prospective students
 - Excellent educational atmosphere
- Challenges:
 - Institute Industry interaction
 - Train the Students with latest technological background
 - More number of students from rural area
 - Internship
 - Funded projects

39. Future plans of the department.

- Recognized Research centre of Anna University, chennai
- To introduce M.Tech in Information Technology
- To organize international conference
- Plan to publish department magazine for every 2 months
- Modernization of Laboratories to enhance the consultancy
- Funded projects

Department of Mechanical Engineering

1. Name of the Department & its year of establishment

Name of the department : **Department of Mechanical Engineering**
 Year of establishment : **2005**

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Names of Programmes / Courses offered	Description
B.E in MECHANICAL ENGINEERING	- Started with 60 seats in 2005 - Enhanced to 120 in the year 2012
M.E in ENGINEERING DESIGN	Started with 18 seats in 2013

3. Interdisciplinary courses and departments involved

S.No	Name of the course	Name of the department	Semester
1.	Computing fundamentals and 'C' programming	CSE	I
2.	Computer Practice Laboratory - I	CSE	I
3.	Computer Practice Laboratory - II	CSE	II
4.	Electrical Drives and Controls	EEE	III
5.	Electrical Engineering Laboratory	EEE	III
6.	Electronics and Microprocessors	ECE	IV
7.	Environmental Science and Engineering	Chemistry	V
8.	Principles of Management	MBA	VI
9.	Marketing Management	MBA	VI (Elective)
10.	Total Quality Management	MBA	VII
11.	Entrepreneurship Development	MBA	VIII (Elective)
12.	Fundamentals of Nanoscience	Chemistry	VIII (Elective)

4. Annual/ semester/choice based credit system

Semester based credit system

5. Participation of the department in the courses offered by other departments

S.No	Name of the course	Name of the department	Semester
1	Engineering Graphics	BT, CSE, Civil, ECE, EEE & IT	I
2	Engineering Practices Laboratory	BT, CSE, Civil, ECE, EEE & IT	I
3	Engineering Mechanics	BT	II
4	Basic Civil and Mechanical Engineering	CSE, ECE, EEE & IT	II
5	Computer Aided Drafting and Modeling Laboratory	BT	II

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	2	2
Associate Professors	1	1
Asst. Professors	15	15

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr.K. R. Viswanathan	M.E.,Ph.D	Professor & Principal	Heat power Engineering	45	
Dr. P. Pitchipoo	M.E.,Ph.D	Professor & Head	Industrial Engineering	16	2
Mr. A.Muthiah	M.E (Ph.D)	Asso. Professor	Production Engineering	22	
Mr.S.Veerasaravanakumar	M.E	Asst. Professor	CAD / CAM	6	
Mr.G. Uthayakumar	M.S	Asst. Professor	Material Science	5	
Mr.P.Ebenezer Sathish Paul	M.E	Asst. Professor	CAD / CAM	5	
Mr.K. Ganesan	M.E	Asst. Professor	CAD / CAM	5	
Mr. C. Gururaj	M.E	Asst. Professor	Engineering Design	3	
Mr. M. Suresh	M.E	Asst. Professor	CAD	8	
Mr.M.Ramesh	M.E	Asst. Professor	Thermal Engineering	3	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Mr.M.Ramar	M.E	Asst. Professor	Manufacturing Engineering	2	
Mr.K.Rajkumar	M.E	Asst. Professor	Thermal Engineering	2	
Mr.V.M.Saravanan	M.E	Asst. Professor	Thermal Engineering	2	
Mr. P.Raja	M.E	Asst. Professor	Engineering Design	2	
Mr. J. Jerold John Britto	M.E	Asst. Professor	CAD / CAM	1	
Mr.R.Meby Selvaraj	M.E	Asst. Professor	CAD / CAM	1	
Mr.R.Ramaganesan	M.E	Asst. Professor	Engineering Design	2	
Mr. K. Karthik	M.E	Asst. Professor	CAD	1	

8. Percentage of classes taken by temporary faculty – programme-wise information

Nil

9. Programme-wise Student Teacher Ratio

S.NO	Programme	Student Teacher Ratio
1	B.E - MECHANICAL ENGINEERING	15:1
2	M.E - ENGINEERING DESIGN	9:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technician	7	7
Office Assistant	1	1

S.No	Name	Qualification	Designation	Laboratory	No. of Years of Experience
1.	Mr.V.Ruthirappa samy	ITI	Lab Technician	Manufacturing Technology Lab	25
2.	Mr.P.Pattamuthu	ITI	Lab Technician	Mechatronics Lab	8

3.	Mr. V.Vandimalai Muthukumar	ITI	Lab Technician	Strength of Materials Lab & Dynamics Lab	18
4.	Mr.M.Rajkumar	DME	Lab Technician	CAD/CAM Lab	8
5.	Mr J.Venkatesan	I.T.I	Lab Technician	Metrology & Measurement Lab	6
6.	Mr S.Venkateshwaran	I.T.I	Lab Technician	Thermal Engineering Lab.	1
7.	Mr.G.Kalirajan	I.T.I	Lab Technician	Engineering Practices Lab	25
8.	Mr. P. Marimuthu	B.A	Office Assistant	Department Office	3

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

- Ongoing projects: Nil
- Submitted project proposals: 2

S. No	Title	Funding Agency	Amount (Rs.)	Date of submission
1.	Modeling and development of intelligent decision support system for multi criteria decision making for green supply chain network of a process industry	Department of Science and technology (DST), New Delhi	33, 50, 400	June 17, 2013
2.	Optimization Studies on Driver's Safety by Reducing the Blind Spots in Heavy Transport Vehicles – An MCDM Approach	Department of Science and technology (DST), New Delhi	21,06,408	November 07, 2013

13. Research facility / centre with

- state recognition
- national recognition

- international recognition

Nil

14. Publications:

- * **number of papers published in peer reviewed journals (national / international): 08**

1. Rajesh. S, Rajakarunakaran S. Sudhakarapandian R. and **Pitchipoo P**, (2013) “MOORA based Tribological Studies on Red Mud Reinforced Aluminum Metal Matrix Composites” Advances in Tribology, Volume 2013, Article ID 213914. (Scopus cited)
2. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2013) “Fuzzy hybrid decision model for supplier evaluation and selection”, International Journal of Production Research Vol. 51, No. 13, pp. 3903-3919. (Scopus cited – IF: 1.46)
3. Siva I., Winowlin Jappes J.T., **Pitchipoo P.**, Amico S.C., Nagarajan E.R. and Azhagesan N. (2013) “Grey Optimization of Process Parameters of Surface Modification of Novel Coconut Sheath Reinforced Polymer Composites” Journal of Polymer Engineering, Vol. 33, No. 7, pp. 665–672. (Scopus cited – IF: 0.282)
4. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2013) “Modeling and development of decision support system for supplier selection”, Journal of Industrial Engineering International, 9:23. (Scopus cited)
5. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2012) “A distinct decision model for evaluation and selection of supplier for an electro plating industry”, International Journal of Production Research Vol. 50, No. 16, pp. 4635-4648. (Scopus cited – IF: 1.46)
6. **Pitchipoo P.**, Venkumar P., Muthugurupackiam K. and Rajakarunakaran S., (2011) “Modelling and development of decision model for supplier selection in process industry”, International Journal of Computer Aided Engineering and Technology, Vol. 3, issue 5/6, pp. 504-516. (Scopus cited)
7. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2011) “A hierarchical decision support system for supplier selection in process industry” CiiT International Journal of Automation and Autonomous System [DOI: AA112011001].
8. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2011) “Grey decision model for supplier selection in process industry”, International Journal of Operations Systems and Human Resource Management, Vol. 1, No. 1-2, pp. 61-66.

- * **number of papers presented in conferences (national / international): 58 (Since 2010)**

Year 2014:

1. **Muthiah A.** and Rajkumar, R., “Minimizing Makespan for Scheduling Job Shop with ABC Algorithm”, National Conference on Advances in Mechanical Engineering (NACAME 14), Mepco Schlenk Engineering College, Sivakasi, February 21, 2014

2. **Pitchipoo P.**, Vincent D.S., and Rajakarunakaran S., “Analysis of Prime Reasons for Night Time Accidents in Public Transport Corporations”, Second International Conference on Advances in Industrial Engineering Applications (ICAIEA 2014) Anna University Chennai, India, January 6-8, 2014
3. **Muthiah A.** and Rajkumar, R. “An Artificial Bee Colony Algorithm for Job Shop Scheduling”, Second International conference on Advances in Industrial Engineering Applications, (ICAIEA’14), Anna University Chennai, Tamilnadu, India, January 6-8, 2014.

Year 2013:

1. **A. Muthiah** and R. Rajkumar, “Production Scheduling Problem Solving Using Genetic and Greedy Algorithms with sequence dependant set up times”, National conference on Emerging Trends in Materials , Manufacturing and Design (ETMMD’13), MEPCO Schlenk Engineering College, Sivakasi, Tamilnadu, 07 & 08 , May 2013.
2. **Meby Selvaraj R.**, Rajesh Jesudoss Hynes N. and Nagaraj P., “Analysis of interface peak temperature of AA6063 and AISI304 friction weld joints” National Conference on Emerging Trends in Materials, Manufacturing and design (ETMMD 13), Mepco Schlenk Engineering College, Sivakasi, May 07-08, 2013.
3. **Jerold John Britto J.**, Vasanthanathan A., and Nagaraj P., “Structural health monitoring: challenges in aircraft structures”, National Conference on Emerging Trends in Materials, Manufacturing and design (ETMMD 13), Mepco Schlenk Engineering College, Sivakasi, May 07-08, 2013.
4. **Jerold John Britto J.**, Vasanthanathan A., and Nagaraj P., “Finite Element modelling of CFRP aircraft wing structure”, International Conference on Futuristic Innovations and developments in Civil Engineering (ICFiDCe 13), Mepco Schlenk Engineering College, Sivakasi, April 18-20, 2013.
5. **Pitchipoo P.**, Ragavan R., Venkumar P. and Rajakarunakaran S., “Supplier Evaluation and Selection Using Hybrid Data Envelopment Analysis”, International Conference on Advanced Materials and Manufacturing (ICAMM 2013), Cape Institute of Technology, Leveingipuram, April 11-12, 2013, 2013.
6. **Jerold John Britto J.**, Vasanthanathan A., and Nagaraj P., “Performance evaluation of window air conditioner by incorporating evaporative cooling systems on the condenser”, IEEE International Conference on Energy Efficient Technologies for Sustainability, St. Xavier’s Catholic College of Engineering, Nagercoil, April 10-12, 2013.
7. **Pitchipoo P.**, Ragavan R ., Venkumar P. and Rajakarunakaran S., “Development of DEA Decision Model for Supplier Selection”, IEEE - International Conference on Research and Development Prospects on Engineering and Technology (ICRDPET 2013), Nagapattinam, March 29-30, 2013.
8. **A. Muthiah** and **M.Suresh**, “Fabrication and testing of groundnut husk powder reinforced polyester composite”, Second International Conference on Advanced

- Manufacturing and Automation (INCAMA-2013), Kalasalingam University, Srivilliputtur, Tamilnadu, 28-30 March 2013.
9. **A. Muthiah** and **K. Ganesan**, “Analysis of mechanical Properties of Epoxy bonded with natural fibre composite materials”, Second International Conference on Advanced Manufacturing and Automation (INCAMA-2013), Kalasalingam University, Srivilliputtur, Tamilnadu, 28-30 March 2013
 10. Vincent D.S., **Pitchipoo P.**, and Rajakarunakaran S., “Elimination of Blind Spots for Heavy Transport Vehicles by Driver Seat Design”, International Conference on Advanced Manufacturing and Automation (INCAMA- 2013), Kalasalingam University, March 28-30, 2013.
 11. **Pitchipoo P.**, Ragavan R., Venkumar P. and Rajakarunakaran S., “Development of Decision Support System for Supplier Evaluation and Selection Using Integrated DEA”, International Conference on Advanced Manufacturing and Automation (INCAMA- 2013), Kalasalingam University, March 28-30, 2013.
 12. Rajesh. S, Rajakarunakaran. S, Sudhakarapandian. R, and **Pitchipoo. P** “Optimization of machining parameters for multiperformance characteristics in turning red mud based Al MMC. Second International Conference on Advanced Manufacturing and Automation (INCAMA- 2013), Kalasalingam University, March 28-30, 2013.
 13. **Raja P** and Stalin, “Investigation on the mechanical behaviour of randomly oriented coir and bagasse fibers reinforced polyester hybrid composites” National Conference on Innovations in Engineering and Technology, Anna University of Technology, Madurai, March 27-28, 2013
 14. **Uthayakumar G.** and **Suresh M**, “Fault diagnosis of rotary machinery using vibration analysis”, National Conference on Research and Advances in Mechanical Engineering, Kalaingar Karunanithi Institute of Technology, Coimbatore, March 28, 2013.
 15. **Rajkumar K**” Performance analysis of two phase closed thermosyphon using aqueous solution”, First National Conference on Research and Advances in Mechanical Engineering-RAME-2013, P.S.R. Engineering College, Sivakasi, March 1 & 2, 2013
 16. **John Britto J.**, Vasanthanathan A., and Nagaraj P., “Experimental performance of indirect evaporative cooling method on the condenser of window air conditioner”, First National Conference on Research and Advances in Mechanical Engineering-RAME-2013, P.S.R. Engineering College, Sivakasi, March 1 & 2, 2013
 17. **Ebenezer Sathish Paul P.**, Jeyakarthikeyan R., “E85 An alternative fuel of SI engines”, First National Conference on “Research and Advances in Mechanical Engineering-RAME-2013” P.S.R. Engineering College, Sivakasi, March 1 & 2, 2013
 18. **Ebenezer Sathish Paul P.**, Lakshmanan M., and **Ramar M.**, “Evaluation of parameters during machining of coir/bargasse/particulate Reinforced polymer composite materials”, National Conference on “Research and Advances in Mechanical Engineering-RAME-2013” in P.S.R. Engineering College, Sivakasi, March 1 & 2, 2013
 19. Ayyar V., **Ebenezer Sathish Paul P.**, and Lakshmanan M., “Fabrication and testing of coconut sheath fiber reinforced polymer composites”, National Conference on

- “Research and Advances in Mechanical Engineering-RAME-2013” in P.S.R. Engineering College, Sivakasi, March 1 & 2, 2013
20. **Ganesan K., Gururaj C.,** Balakrishnan M. and Balamurukan R., “Hybrid composite materials by using coir and ridge guard fibers”, First National Conference on Research and Advances in Mechanical Engineering (RAME 13), P.S.R Engineering College, Sivakasi, March 1-2, 2013
 21. **Pitchipoo P.,** Ragavan R ., Venkumar P. and Rajakarunakaran S., “Decision Model for Supplier Selection Using Data Envelopment Analysis”, “First International Conference on Emerging Trends in Engineering and Technology (ICETET-2013)” Marthandam, February 22-23, 2013.
 22. **Karthik K.,** “Analysis of hybrid multi leaf spring using finite element approach”, National Conference on Technological Advancements in Mechanical Engineering, Selvam College of Technology, February 08-09, 2013
 23. **A. Muthiah and K. Ganesan,** “Production Scheduling Problem Solving Using Genetic and Greedy Algorithms with sequence dependant set up times”, Third International Conference on Recent Advances in material processing technology(RAMPT’13), National Engineering College, Kovilpatti, Tamilnadu January 07-09, 2013.

Year 2012:

1. **Meby Selvaraj R.,** Rajesh Jesudoss Hynes N. and Nagaraj P., “Finite element based thermal modelling of friction welding of dissimilar materials”, International Conference on Ceramics ’12 (ICC’12), Govt Engineering College, Bikaner & Ceramic Electrical Research and development centre, Bikaner, December 12,13 2012.
2. **Saravanan V.M** and Manivannan A., “Production of bio diesel from mahua oil using homogeneous catalyst”, 3rd National Conference on "Emerging Trends in Mechanical Engineering", K.L.N.College of Engineering, Madurai, April 02-03, 2012.
3. **Pitchipoo P.,** Venkumar P. and Rajakarunakaran S., “Development of fuzzy expert system for supplier evaluation and selection”, IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012), EGS Pillay Engineering College, Nagapattinam, March 30-31, 2012. Pp 1- 6. [ISBN 978-81-909042-2-3]
4. **Pitchipoo P.,** Venkumar P. and Rajakarunakaran S., “Fuzzy hierarchical decision model for supplier evaluation and selection”, 2nd International Conference on Advances in Mechanical, Manufacturing and Building Sciences [ICAMB – 2012], VIT University, Vellore, January 09 - 11, 2012

Year 2011:

1. **Pitchipoo P.,** Venkumar P. and Rajakarunakaran S., “Supplier evaluation and selection for process industry using fuzzy set theory”, International Conference on Advances in Supply Chain and Manufacturing Management [ASCMM 2011], IIT, Kharagpur India, December 16-18,2011.

2. **Ebenezer Sathish Paul P., Ganesan K., Vignesh S., and Venkadesh M.K.,** “Performance Analysis of solar flat plate collector for treating trannery effluent”, International Conference on “Design and Advances in Mechanical Engineering-ICDAAME-2011 in SKP Engineering College, Tiruvannamalai, 16 &17 December 2011
3. **Ganesan K.,** Sathees Kumar S. and Venketesh M.K., “Experimental performance analysis of pyramid type solar still by the varying water depth”, First International Conference in South Asia on Global manufacturing Systems and management (ICGMSM 2011), Coimbatore Institute of technology, Coimbatore, August 01-03, 2011.
4. **Pitchipoo P.,** Venkumar P. and Rajakarunakaran S., “A hierarchical decision model for supplier selection in process industry”, International Conference on Advances in Engineering & Technology – 2011 (ICAET - 2011), EGS Pillay Engineering College, Nagapattinam, May 27 & 28, 2011. [ISBN Number : 978-1-4507-6433-9]
5. Bravilin Jiju K, and **Ebenezer Sathish Paul P. ,** “Analysis and optimize the hino engine overhauling processing time”, National Conference on Advances and Challenges in Mechanical Engineering (ACME 2011), Erode Senguntthar Engineering College, Erode, April 20-21, 2011.
6. Praveen J.K., Saravana Kumar M., Suriya Kumar R. and **Pitchipoo P.,** “Supplier Selection for Process Industry Using Analytical Hierarchy Process” National Conference on Recent Trends in Manufacturing Engineering (NCRTME - 11), SACS MAVMM Engineering College, Madurai, April 2, 2011
7. **Ramar M.,** Vadivel Knnan L., Manisekar K and Manikandan V., “Preparation and mechanical charectreization of nano carbon reinforced polymer composites”, National Conference on “Recent Advances in Mechanical Engineering” Noorul Islam University, Kumaracoil, April 01-02, 2011.
8. Senthil Kumar G., Natarajan U., Sankaranarayanan G., Sugumaran P. and **Pitchipoo P.** “Assessment of Mig Welding Defects Using Computer Vision System”, International Conference on Thermal Energy and Environment (INCOTEE 2011), Kalasalingam University, March 24 – 26, 2011: ISBN: 978-81-921249-1-9
9. Anselm W.A.Lenin and **K.Ganesan,,** “Investigation and tem analysis helmet with impact energy absorption system ”, International Conference on Thermal Energy and Environment (INCOTEE 2011), Kalasalingam University, March 24 – 26, 2011: ISBN: 978-81-921249-1-9
10. **Ebenezer Sathish Paul P., Muthiah A.** and Jeyakarthikeyan R., “Computational fluid dynamics model of reciprocating air compressor”, International Conference on Thermal Energy and Environment (INCOTEE 2011), Kalasalingam University, March 24 – 26, 2011: ISBN: 978-81-921249-1-9
11. Anselm W.A.Lenin and **K.Ganesan,,** “Investigation and tem analysis helmet with impact energy absorption system ”, International Conference on Thermal Energy and Environment (INCOTEE 2011), Kalasalingam University, March 24 – 26, 2011: ISBN: 978-81-921249-1-9
12. **Ebenezer Sathish Paul P. ,** Bravilin Jiju K., Ravikumar M and Abdul kabur A, “Optimization of surface finish in milling operation using Taguchi parameter

- method”, National Conference on M SAER 2011, Lord Jeganath College of Engineering and Technology, Nagarkoil, March 2011.
13. **Ramar M.**, Vadivel Knnan L., Manisekar K and Manikandan V., “Characterization of mechanical properties of nano carbon and hybrid reinforced polymer composites” National Conference on “Recent Advances in Nano Technology 2011, Kamaraj College of Engineering and Technology, Virudhunagar, March 11, 2011
 14. **Ebenezer Sathish Paul P.** and Bravilin Jiju K, “Analysis and optimize the engine overhauling processing time”, National conference on Modelling and Optimization of Automotive Systems, Karpagam University, March 4-5, 2011.
 15. **Ebenezer Sathish Paul P.**, Bravilin Jiju K., **Muthiah A.**, and Muthupandi P., “To appraise the quality of diffusion bonded joints by using SEM”, National conference on Advanced Design and Manufacture (NACADM 2011), Einstein College of Engineering, Tirunelveli, January 6-7, 2011 [ISBN: 978-81-920297-0-2]

Year 2010:

1. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Fuzzy decision model for supplier evaluation and selection in process industry”, International Conference on Operational Research for Urban and Rural Development (ORURD 2010), Thiagarajar College of Engineering, Madurai, December 15 – 17, 2010.
2. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Comparative study on supplier evaluation and selection in process industry”, 3rd International & 24th All India Manufacturing Technology, Design and Research (AIMTDR 2010) Andhra University, Visakhapatnam, December 13 - 15, 2010. [Vol. 2, pp. 827 – 832].
3. Bravilin Jiju K., **Ebenezer Sathish Paul P.**, Jeyakarthikeyan R. and Muthupandi P. “Dieless wire drawing machine” National Conference on Recent Advances in Materials (RAM 10), Karpagam College of Engineering and Technology, Coimbatore, September 29, 2010
4. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Development and comparison of decision models for supplier selection in process industry" Fifth International Conference on Logistics and Supply Chain Management (ILSCM 2010), PSG College of Technology, Coimbatore, August 3-5, 2010.
5. **Ebenezer Sathish Paul P.** and Bravilin Jiju K, “Experimental investigation and analysis of dieless wire drawing machine” National Conference on Extreme Engineering and technological Advancements (XETA 2010), Jeyam College of Engineering and Technology, Dharmapuri, May 22-23, 2010.
6. **Ganesan K.**, Anselm, W.A.Lenin, Govardhanan, M.S and **Muthiah. A.**, “Vibration monitoring and analysis to detect fault in rotary equipments –case study”, Second National conference on Emerging Technologies in Advanced Manufacturing (ETAM 2010), K.L.N. College of Engineering, Madurai, April 22-23, 2010.
7. **Ganesan K.**, Anselm W.A.Lenin, Nandakumar.S. and Nadanakumar G., “Creation of relation between squeeze time, weld time and hold time in spot welding by using deciplus ”, Second National conference on Emerging Technologies in Advanced

- Manufacturing (ETAM 2010), K.L.N. College of Engineering, Madurai, April 22-23, 2010
8. **Ebenezer Sathish Paul P.**, Bravilin Jiju K and Sures Venketeswaran V., “Design and analysis of industrial ball valve using computational fluid dynamics and finite element analysis”, Second National conference on Emerging Technologies in Advanced Manufacturing (ETAM 2010), K.L.N. College of Engineering, Madurai, April 22-23, 2010.
 9. **Ebenezer Sathish Paul P.**, Anselm W.A. Lenin, Nandakumar S. and Nadanakumar G., “Experimental investigation on solar driven air conditioning by natural and forced convection”, Second National conference on Emerging Technologies in Advanced Manufacturing (ETAM 2010), K.L.N. College of Engineering, Madurai, April 22-23, 2010.
 10. Bravilin Jiju K., **Ebenezer Sathish Paul P.**, Nandakumar S., karthick kannan G., Venketesh M, and Vigneswaran K., “Methodology to evaluate the quality of diffusion bonded joints by SEM method”, Second National conference on Emerging Technologies in Advanced Manufacturing (ETAM 2010), K.L.N. College of Engineering, Madurai, April 22-23, 2010
 11. **Ramaganesan R** and Supriya S., “Probabilistic failure of laminated composite plates using the stochastic finite element method”, National Conference on Advances in Mechanical Engineering, Senguthar Engineering College, Thiruchengode, April 21, 2010.
 12. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Grey decision model for supplier selection in process industry”, First International Conference on Recent Advances in Mechanical Engineering (ICRAME 2010), Noorul Islam University, April 7-8, 2010 [Vol. 2, pp. 77 – 80]. [ISBN: 978-81-907917-3-1]
 13. Senthil M., and **Ganesan K.**, “Analysis of mechanical properties of natural composite materials”, Fourth National Conference Recent Advancement in Mechanical Engineering (RAME 2010), National Engineering College of Engineering, Kovilpatti, March 26-27, 2010.

* Monographs

Nil

* Chapter(s) in Books

Nil

* **Editing Books**

- Proceedings of the Second National conference on “Pyro Tech - 2013” organized by Petroleum and Explosives Safety Organization (PESO), Ministry of Explosives, Government of India at Sivakasi, on November 22 – 23, 2013

* Books with ISBN numbers with details of publishers

Nil

- * **number listed in International Database** (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

S.No	Name of the faculty	Listed in International Database
1.	Dr. P. Pitchipoo	Scopus & Google Scholar
2.	Mr. J. Jerold John Britto	Scopus & Google Scholar

- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact factor – range / average

S.No	Name of the faculty	Author ID listed in Scopus Database	Citation	SNIP	SJR	Impact factor – range / average	h-index
1	Dr. P. Pitchipoo	55315097800	3 (Scopus) 7 (Google Scholar)	0.297 to 1.520	0.15 to 1.303	0.282 to 1.46	2

15. Details of patents and income generated

Nil

16. Areas of consultancy and income generated

S.No	Nature of work	Period
1.	Metal lid for well	January – February 2014
2.	Volley ball & tennis pole & court work	November 2013
3.	Frame work for lightning arrester	July 2013
4.	Procurement decision support system	June 2013

17. Faculty recharging strategies

- **Organizing Faculty Development Programs, Workshops, Seminars and Conferences**

S.No	Title of the programme	Nature of the Programme	Date
1.	Nanotechnology applications in Automobile industry and Mechanical Engineering	Seminar	January 24, 2014

2.	CNC Turning & Milling	Workshop	October 09 - 14, 2013
3.	Familiarization of Power Plant	Workshop	September 27 & 28, 2013
4.	CREO Elements Version 2.0	Workshop	July 15 – 17, 2013.
5.	Introductory to ANSYS 14.5	Workshop	July 10 – 11, 2013.
6.	Research & Advance in Mechanical Engineering – RAME’13	National Conference	March 01, 2013
7.	Design of Transmission systems	FDP	December 10 -17, 2012
8.	Workshop on Mechanical Drives	Workshop	March 31, 2012
9.	Research & Advance in Mechanical Engineering – RAME’14	National Conference	March 28-29, 2014

• **Motivate the faculty to attend Faculty Development Programs and Workshops**

S.No	Name of the Faculty	Title of the programme	Organized by	Date
2014				
1.	Mr. P. Ebenezer Sathish paul	One day seminar on Nanotechnology applications in Automobile industry and Mechanical Engineering	P.S.R. Engineering College, Sivakasi	January 24, 2014
2.	Mr. G. Uthayakumar			
3.	Mr. M. Suresh			
4.	Mr. C. Gururaj			
5.	Mr. M. Ramar			
6.	Mr. M. Ramesh			
7.	Mr. V.M.Saravanan			
8.	Mr. J. Jerold John Britto			
2013				
1.	Mr. C. Gururaj	FDP on Nano Fluids	Thiagarajar College of Engineering, Madurai	December 05-06, 2013
2.	Mr. M. Ramar	ISTE workshop on Engineering Mechanics	IIT, Bombay & Mepco Schlenk Engineering College, Sivakasi	November 26 – December 06, 2013
3.	Mr. P. Raja			
4.	Mr. J. Jerold John Britto			
5.	Mr. M. Ramar	CNC Turning & Milling	P.S.R. Engineering College, Sivakasi	October 09 to 14 th , 2013
6.	Dr. P. Pitchipoo	Familiarization of	National Power	September

7.	Mr. A. Muthiah	Thermal Power Plant	Training Institute Neyveli	27 - 28, 2013
8.	Mr. S. Veerasaravanakumar			
9.	Mr. P. Ebenezer Sathish Paul			
10.	Mr. G. Uthayakumar			
11.	Mr. K. Ganesan			
12.	Mr. Mr. C. Gururaj			
13.	Mr. M. Suresh			
14.	Mr. M. Ramesh			
15.	Mr. K. Rajkumar			
16.	Mr. V.M.Saravanan			
17.	Mr. M. Ramar			
18.	Mr. P. Raja			
19.	Mr. J. Jerold John Britto			
20.	Mr. R. Meby Selvaraj			
21.	Mr. K. Karthik			
22.	Mr. R. Ramaganesan			
23.	Mr. P. Raja	How to write effective research papers for conferences and journals	Kongu Engineering College, Perunthurai	September 21, 2013
24.	Mr. J. Jerold John Britto			
25.	Mr. R. Meby Selvaraj			
26.	Mr. P. Ebenezer Sathish Paul	Latest Trends in CAD modelling	Sree Sowdambika Engineering College, Aruppukottai	September 04, 2013.
27.	Mr. K. Ganesan			
28.	Mr. M. Ramar			
29.	Mr. P. Ebenezer Sathish Paul	CAN Bus Implementation Practice for Mechanical Engineers	National Engineering College, Kovilpatti	July 25-26, 2013
30.	Mr. M. Ramar			
31.	Mr. P. Raja	Faculty Empowerment Programme	P.S.R. Engineering College, Sivakasi	June 10 – 15, 2013
32.	Mr. J. Jerold John Britto			
33.	Mr. R. Meby Selvaraj			
34.	Mr. K. karthik			
35.	Mr. A. Muthiah	Quantitative Research	National Institute of	June 10- 14,

		Techniques and Tools for Engineers and Researchers	Technology, Tiruchirapalli.	2013
36.	Mr. C. Gururaj	Short term course on Applications of Finite Element Methods for Academic and Industrial Research	National Institute of Technology, Trichirapalli	June 06-08, 2013
37.	Mr. M. Suresh	Thermal Engineering	Renganayaki varatharaj College of Engineering, Sattur	June 05-12, 2013
38.	Mr. V.M. Saravanan			
2012				
1.	Mr.P.Raja	ISTE workshop on Engineering Thermodynamics	Thiagarajar College of Engineering, Madurai	December 11 – 21, 2012
2.	Mr. S.Veera Saravanakumar	Design of Transmission systems	P.S.R. Engineering College,Sivakasi	December 10-017, 2012
3.	Mr. P. Ebenezer Sathish Paul			
4.	Mr. G. Uthayakumar			
5.	Mr. M. Ramar			
6.	Mr. R. Ramaganesan	FDP on Finite Element Analysis	Kamaraj College of Engineering and Technology, Virudhunagar	December 03-09, 2012
7.	Mr. R. Meby Selvaraj	workshop on Genetic Algorithm and Particle Swarm Optimisation: Hands on training using Matlab”	Anna University, Regional Office Coimbatore	October 18-19, 2012
8.	Mr. M. Suresh	Workshop on Hottest Drifts in boiler Technology	Sree Sowdambika College of Engineering , Aruppukottai	October 06, 2012
9.	Mr.K.Rajkumar			
10.	Mr. P. Ebenezer Sathish Paul	Workshop on Advanced Techniques in Mechatronics and robotics	MTAB Technology Centre, Chennai	August 24 – 25, 2012
11.	Mr. A. Muthiah	National Workshop on “Optimization Techniques for Multi	Thiagarajar College of Engineering, Madurai	August 10-11, 2012

		Criteria Decision Models		
12.	Mr. P. Ebenezer Sathish Paul	Basic Design in Creo Elements / PRO 5.0	True Pink Academick Solutions, Chennai	August 01, 2012
13.	Mr. P. Ebenezer Sathish Paul	Workshop on Application of Natural Fiber Composites for the Development of Rural Societies	National Engineering College, Kovilpatti	June 27 - 28, 2012
14.	Mr. R. Ramaganesan	FDP on Kinematics of Machinery	PSNA College of Engineering and Technology, Dindigul	June 04-10, 2012
15.	Mr. A. Muthiah	MISSION 10X	WIPRO & P.S.R. Engineering College, Sivakasi	April 24-28, 2012
16.	Mr. S.Veera Saravanakumar			
17.	Mr. P. Ebenezer Sathish Paul			
18.	Mr. P. Ebenezer Sathish Paul	Introduction to Finite Element Method & its Applications	Kalasalingam University, Krishnankoil	April 14, 2012
19.	Mr. K. Ganesan			
20.	Mr. P. Ebenezer Sathish Paul	Workshop on Mechanical Drives	P.S.R. Engineering College, Sivakasi	March 31, 2012
21.	Mr. K. Ganesan			
22.	Mr. M. Suresh			
23.	Mr. M. Ramesh			
24.	Mr. M. Ramar			
24.	Mr. M. Ramar	Research Opportunities in Composites and Advanced Materials	CAPE Institute of Technology, Tirunelveli	March 17, 2012.
25.	Mr. P. Ebenezer Sathish Paul	National Seminar on Alternate Fuels	Vels University, Chennai	February 25, 2012
26.	Mr. P. Ebenezer Sathish Paul	National Seminar on Consumables through Composites – Processing and Preparation	Kongu Engineering College, Perunthurai	January 06-07, 2012
2011				
1.	Mr. A. Muthiah	National Seminar on Meta-heuristic Algorithms and	SACS.M.A.V.M.M. Engineering College, Madurai,	December 21, 2011

		applications in Engineering		
2.	Mr. S.Veera Saravanakumar	FEA Applications in Strength of Materials	K.L.N Engineering college, Madurai	September 29-30, 2011
3.	Dr. P. Pitchipoo	MISSION 10X	Wipro & Kalasalingam University	September 19 – 23, 2011
4.	Mr. P. Ebenezer Sathish Paul	CNC Programming & Machine Operations Using Funuc Control	MTAB Technology Centre, Chennai	August 17-20, 2011
5.	Mr. P. Ebenezer Sathish Paul	Workshop on Implementation of Artificial Intelligence in Engineering Application	Sun College of Engineering And Technology, Nagercoil	August 13, 2011
6.	Mr. P. Ebenezer Sathish Paul	Workshop on Dynamic Simulation of Mechanical Systems Using Matlab	SSN College of Engineering, Chennai	April 20, 2011
7.	Mr. R. Meby Selvaraj	workshop on “Metallographic practices”	Karunya University Coimbatore	March 19, 2011
8.	Mr.P.Raja	Entrepreneurship Awarness Camp	Centre for Entrepreneurship Development (Tamilnadu) at CED	February 03-04, 2011
2010				
1.	Mr. R. Meby Selvaraj	workshop on “Intellectual Property Rights (IPR)”	Karunya University Coimbatore	December 3, 2010
2.	Mr. M. Ramar	Recent Advances in Friction Stir Welding	National Engineering College, Kovilpatti	October 13, 2010.
3.	Mr. R. Ramaganesan	Advanced tools in PRO E Modeling software	Government College of Engineering, Tirunelveli	March 24 – April 02, 2010
4.	Mr. M. Ramar	Recent Advances in Composite Materials	National Engineering College, Kovilpatti	March 6, 2010.
5.	Mr. R. Ramaganesan	Finite Element Analysis with ANSYS software	Government College of Engineering, Tirunelveli	February 02-12, 2010

2009				
1.	Dr. P. Pitchipoo	Quantitative Techniques for Researchers and Engineers	National Institute of Technology, Tiruchirapalli.	December 21, 2009 to January 02, 2010
2.	Mr. K. Ganesan	Teacher Empowerment Programme	P.S.R. Engineering College, Sivakasi	November 30 – December 01, 2009
3.	Mr. P. Ebenezer Sathish Paul	Teaching Skills and Quality Education	P.S.R. Engineering College, Sivakasi	June 18-20, 2009
4.	Mr. S.Veera Saravanakumar	Finite Element Method and Applications	Sethu Institute of Technology, Madurai	April 02-03, 2009
2008				
1.	Mr. R. Ramaganesan	Finite Element Analysis with ANSYS software	Government College of Engineering, Tirunelveli	September 15-26, 2008
2007				
1.	Dr. P. Pitchipoo	Recent Advances in Logistics and Supply Chain Management	National Institute of Technology, Tiruchirapalli.	March 12-16, 2007.
2006				
1.	Mr. A. Muthiah	Comprehensive CNC Turning/ CNC Milling training course using MTAB-DENFORD Equipment	MTAB- DENFORD Technology Center-Chennai.	December 19- 23, 2006
2.	Mr. A. Muthiah	ISTE short term training program on Manufacturing Excellence	AdhiParasakthi Engineering College Melmaruvathur	December 11 – 15, 2006
3.	Mr. A. Muthiah	workshop on composite materials under TEQIP community service	National Institute of Technology, Tiruchirapalli.	September 29-30, 2006

- **Motivate the faculty to present Paper in Conferences and publish in reputed journals**

S.No	Name of the Faculty	Number of papers	Number of FDP

		Published in Journals	Presented in conference	Attended
1.	Dr. P. Pitchipoo	8	17	4
2.	Mr. A. Muthiah	-	9	8
3.	Mr. S. Veerasaravanakumar	-	-	5
4.	Mr. P. Ebenezer Sathish Paul	-	13	17
5.	Mr. G. Uthayakumar	-	1	2
6.	Mr. K. Ganesan	-	10	5
7.	Mr. Mr. C. Gururaj	-	2	4
8.	Mr. M. Suresh	-	2	5
9.	Mr. M. Ramesh	-	-	4
10.	Mr. K. Rajkumar	-	1	2
11.	Mr. V.M.Saravanan	-	1	3
12.	Mr. M. Ramar	-	3	10
13.	Mr. P. Raja	-	1	6
14.	Mr. J. Jerold John Britto	-	3	5
15.	Mr. R. Meby Selvaraj	-	2	6
16.	Mr. K. Karthik	-	1	2
17.	Mr. R. Ramaganesan	-	1	6

*List enclosed in Question 14.

- Organizing guest lectures**

S.No	Title of the programme	Date
1	Recent Trends in Automobiles	August 02, 2013
2	Lean Manufacturing	August 18, 2013
3	Nanotechnology applications in Automobile industry and Mechanical Engineering	January 24, 2014

- Organizing counseling programmes**

S.No	Title	Resource Person	Date
1	Life skill training programme	Mr. Jegan & Mr. Arun, Varumai Foundations, Madurai	September 28, 2013

2	Counseling Programme	Mr. T.Raghunath, psychologist, Chennai	August 03, 2013

18. Student projects

- percentage of students who have done in-house projects including inter-departmental
- percentage of students doing projects in collaboration with industries / institutes

S.No	Academic Year	percentage of in-house projects	percentage of industrial projects
1	2013/14	63%	37%
2	2012-13	75%	25%
3	2011-12	68%	32%
4	2010-11	77%	23%

19. Awards / recognitions received at the national and international level by

- Faculty:**

S.No	Name of the faculty	Awards / recognitions	National / International
1	Dr. K.R. Viswanathan	Guest Editor o For a special issue in the “International Journal of Computer Aided Engineering and Technology” on 2014	International
2	Dr. K.R. Viswanathan	Member Board of Studies – Mechanical / Anna University, Chennai	State
3	Dr. P. Pitchipoo	Guest Editor o For a special issue in the “International Journal of Computer Aided Engineering and Technology” on 2014	International
4	Dr. P. Pitchipoo	Editorial team member - Pyro Tech - 2013	National
5	Dr. P. Pitchipoo	Reviewer: - International Journal of Production Research, Taylor & Francis Publishers.	International

		○ International Journal of Applied Decision Sciences, Inderscience Publishers ○ Operations Management Research and Cellular Manufacturing Systems: Innovative Methods and Approaches, IGI Global book and journal publications	
6	Dr. P. Pitchipoo	Recognized Research Supervisor – Anna University, Chennai	State

- Doctoral / post doctoral fellows : Nil
- **Students**

S.No	Description	National / International	No. of students
1.	PRO E V-5	International	36
2.	BEC Preliminary	International	3
3.	BEC Vantage	International	1

University Rank holders:

Sl. No	Name of the student	Name of the University	Rank	Year
1	S.Vignesh	Anna university	25	2012
2	R.Pandi	Anna university	37	2012
3	N.Sivabalan	Anna university	40	2012
4	A.N.Suresh	Anna university	16	2013
5	S.Karthikeyan	Anna university	18	2013
6	P.Muthupandi	Anna university	28	2013
7	S.R. Selvakumar	Anna university	46	2013
8	C.Ayyanar	Anna university	47	2013
9	R.Jeyakarhikeyan	Anna university	49	2013
10	kathiravan	Anna university	50	2013

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S.No	Title of the programme	Source of Funding	Nature of programme	Date	No. of participants	outstanding participants
1.	One day seminar on Nanotechnology applications in Automobile industry and Mechanical Engineering	Department Association	Seminar	January 24, 2014	150	Dr. N. Bose & Dr. N. Selvakumar Professor/ Mechanical Mepco Schlenk Engineering College, Sivakasi
2.	CNC Part Programming, Simulation & Machining in XL-Turn & XL-Mill	Department Association	workshop	October 09 – 14, 2013	49	Mr.M.Kalimuthu Training Manager MTAB Technologies (P) Ltd, Chennai
3.	RESILIENCE'13	Department Association	Intra College Symposium	August 31, 2013	262	
4.	Familiarization in Thermal Power Plant	Department Association	workshop	August 26 – 27, 2013	71	1.Mr.P.Muthusamy Deputy Director 2.Mr.R.Ramar Assistant Director National Power Training Institute Neyveli
5.	Workshop on CNC Part Programming & Manufacturing in Lathe & Mill	Department Association	Workshop	August 06 – 07, 2013	71	Mr.K Dineshkumar Application Engineer Software Division MTAB(I) P Ltd, Chennai
6.	Workshop on CERO Elements Version – 2.0	Department Association	Workshop	July 15 – 17, 2013	14	Mr. P.Raj Gopal, B.E Technical Supporting Engineer True Pink Academick Solutions,

						Chennai
7.	Workshop on introductory to ANSYS – 14.5	Department Association	Workshop	July 10 – 11, 2013	16	Mr. R Srinivasan Engineer- Civil Innovent Engineering Solutions Pvt Ltd
8.	Research & Advance in Mechanical Engineering – RAME’13	Institute / Department Association	National Conference	March 01, 2013	28	
9.	Design of Transmission Systems	Anna University, Chennai	FDP	December 10 – 17, 2012	18	Dr. Sundareswaran Regional Director Regional Centre AU-TVL Region TVL
10.	Resilience 12	Department Association	Intra College Symposium	September 01, 2012	277	
11.	Mechatronics & Robotronics	Department Association	Workshop	August 24 – 25, 2012	72	
12.	CREO Elements / PRO-E 5.0 Training Programme	Department Association	Workshop	June 23-July 02, 2012	36	Mr. P.Raj Gopal, B.E Technical Supporting Engineer True Pink Academick Solutions, Chennai
13.	One day workshop on Mechanical Drives Collaboration with Excel Textronics	Department Association	Workshop	March 31, 2012	133	
14.	CNC Training Program	Department Association	Workshop	March 21 – 26, 2012	31	Mr.K Dineshkumar Application Engineer

						Software Division MTAB(I) P Ltd, Chennai
15.	Training and awareness Program on the application of Solar and Electrical Pumps for Agriculture Use	Tamilnadu State Council for Science and Technology	Workshop	March 07 – 13, 2012	40	Mr. J. Jeyapandian, Deputy Director, Agricultural Department, Virudhunagar
16.	CNC Tranining Programme	Department Association	Workshop	February 03 – 08, 2011	55	Mr.K Dineshkumar Application Engineer Software Division MTAB(I) P Ltd, Chennai
17.	DYNA MECH'12	Department Association	National Symposium	March 03, 2012	58	Dr. T. Christoper Prof & Head Department of Mechanical Engineering, Government College of Engineering Tirunelveli
18.	Resilience 11	Department Association	Intra College Symposium	August 31, 2011	131	
19.	Dyna MECH 10	Department Association	National Symposium	September 30, 2010	40	S.M Raja Vikkiranman DGM TVS-Sundaram Fasteners Ltd Madurai

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Academic year	Selected		Pass percentage	
			Male	Female	Male	Female
B.E in MECHANICAL ENGINEERING	-	2012-2013	60	-	91.66% (55/60)	-
		2011-2012	66	-	92.42% (62/66)	
		2010-2011	65	01	75.38% (49/65)	100% (1/1)
		2009-2010	65	-	96.87% (62/65)	
M.E in ENGINEERING DESIGN	-	2013-2014	8	-	75% (6/8) (I sem)	

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.E in MECHANICAL ENGINEERING	Not Applicable	99% (394/398)	1% (4/398)	--
M.E in ENGINEERING DESIGN	37.5% (3/8)	100%	--	--

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S.No	Competitive Examinations	No. of students cleared
1	GATE	1

24. Student progression

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG	3.07% (2/65)	15.15% (10/66)	15.15% (10/66)	8.33% (5/60)
PG to M.Phil.	NA	NA	NA	Not Applicable
PG to Ph.D.	NA	NA	NA	Not Applicable

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
Ph.D. to Post-Doctoral	NA	NA	NA	Not Applicable
Employed	13.8%	7.58%	22.72%	50% (30/60)
• Campus selection	9/65	(5/66)	(15/66)	
• Other than campus recruitment		53% (35/66)	45.45% (30/66)	25% (15/60)
Entrepreneurs		-	-	-

25. Diversity of staff

Percentage of faculty who are graduates			
	UG	PG	Ph.D
of the same parent university	50% (9/18)	38.89 (7/18)	50% (1/2)
from other universities within the State	50% (9/18)	55.56 (10/18)	50% (1/2)
from other universities from other States	-	5.56% (1/18)	-

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Nil

27. Present details about infrastructural facilities

a) Library (Department)

- Area: 9m x 6m
- Number of Titles: 43
- Number of Books: 447
- Daily News Paper: 01

b) Internet facilities for staff and students

- For staff: Computers are provided in faculty rooms. LAN and WIFI facilities are available in all faculty rooms.
- For Students: Internet facilities are provided in CAD laboratory in the department. A common computer center is also providing internet facility. WIFI facility is also provided to all the students.

c) Total number of class rooms: 11

d) Class rooms with ICT facility: 02 (Seminar Hall & Department Library)

e) Students' laboratories: 10

- Engineering Practices Lab
- CAD Lab – I
- CAD Lab – II
- CAM Lab
- Dynamics Lab
- Manufacturing Technology Lab
- Mechatronics Lab
- Metrology & Measurement Lab
- Strength of Materials Lab&
- Thermal Engineering Lab.

f) Research laboratories: Nil

28. Number of students of the department getting financial assistance from College.

The management is generous enough to offer free education to few students based on their outstanding performance and also their economical status.

S.No	Name of the Student	Type of financial assistance
1.	I .Jaisingh	Free transportation
2.	S. Praveen	Free transportation
3.	V. Suganthan	Free transportation

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- Demand of the programme is taken as base
- Feedbacks from Senior Faculty Members of the Department, Academic Experts, Industrial Experts and Alumni Members.
- Suggestions from Board of management

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- Yes. The opinions / suggestions are obtained from the faculty members based on their specialization and expertise.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- Yes. Every semester feedbacks are collected from the students for each and every faculty member. Based on their evaluation appreciation / counseling is given to the respective members to improve their performance.

c. alumni and employers on the programmes and what is the response of the department to the same?

- Yes. The opinions / suggestions are obtained from the alumni and employers to improve the curriculum. They are one among the members of Board of studies.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name of the Alumni	Batch	Organization	Position
1.	S.JeyaPrakash	2006-2009	Merchant Navy,Mumbai	Asssistant Engineer
2.	G.Manikandaraja	2005-2009	SriVengateswara College of Engineering,Sriperumputhur,Chennai	Assistant Professor
3.	M.Lakshmanan	2005-2009	Ramco Institute of Technology,Rajapalayam	Assistant Professor
4.	J.Sugumar	2007-2011	HCL,Chennai	Project Engineer
5.	M.K.Venkadesh.	2007-2011	IFB,Chennai	Project Engineer
6.	P.Rengaraj	2007-2011	Cethar Energy Limited,Trichy	Engineer/Design
7.	S.Duraisamy	2007-2011	MTAB(P), Ltd,Chennai	Engineer/Design
8.	S.Manoj	2008-2012	IFB,Chennai	Project Engineer
9.	S.Vignesh	2008-2012	IFB,Chennai	Project Engineer
10.	R. Vinoth Raja	2009-2013	IFB,Chennai	Project Engineer

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

S.No	Title of the programme	Guest	Date
Paper presentation & Technical competitions			
1.	RESILIENCE'13	--	August 31,

			2013
2.	Resilience 12	--	September 01, 2012
3.	DYNA MECH'12	Dr. T. Christoper Prof & Head Department of Mechanical Engineering Government College of Engineering Tirunelveli	March 03, 2012
4.	Resilience 11	--	August 31, 2011
5.	Dyna MECH 10	S.M Raja Vikkiranman DGM TVS-Sundaram Fasteners Ltd Madurai	September 30, 2010
Workshop			
6.	CNC Part Programing, Simulation & Machining in XL-Turn & XL-Mill	Mr.M.Kalimuthu Traning Manager MTAB Technologies (P) Ltd, Chennai	October 09 – 14, 2013
7.	Two day Familiarization programme on Thermal Power Plant	1.Mr.P.Muthusamy Deputy Director 2.Mr.R.Ramar Assistant Director National Power Training Institute Neyveli	August 26 – 27, 2013
8.	Workshop on CNC Part Programming & Manufacturing in Lathe & Mill	Mr.K Dineshkumar Application Engineer Software Division MTAB(I) P Ltd	August 06 – 07, 2013
9.	Workshop on CERO Elements Version – 2.0	Mr. P.Raj Gopal, B.E Technical Supporting Engineer True Pink Academick Solutions, Chennai	July 15 – 17, 2013
10.	Workshop on introductory to Ansys – 14.5	Mr. R Srinivasan Engineer- Civil Innovent Engineering Solutions Pvt Ltd	July 10 – 11, 2013
11.	Mechatronics & Robotics	MTAB Technologies(P),Chennai	August 24 – 25, 2012
12.	CREO Elements / PRO-E 5.0 Training Programme	Mr. P.Raj Gopal, B.E Technical Supporting Engineer True Pink Academick Solutions, Chennai	June 23- July 02, 2012
13.	One day workshop on Mechanical Drives	Excel Textronics,Madurai	March 31, 2012
14.	CNC Training Program	Mr.K Dineshkumar Application Engineer Software Division	March 21 – 26, 2012

		MTAB(I) P Ltd, Chennai	
15.	CNC Training Programme	Mr.K Dineshkumar Application Engineer Software Division MTAB(I) P Ltd, Chennai	February 03 – 08, 2011
FDP			
16.	Design of Transmission Systems	DR. SUNDARESWARAN Regional Director Regional Centre AU-TVL Region TVL	December 10 – 17, 2012
Guest Lectures			
17.	Lean Manufacturing	Mr.E,Surenthiran Deputy Manager – NPD ELGI Equipments Ltd CBE	August 16, 2013
18.	Recent Trends in Automobiles	Mr. B.Ramesan DGM,Automobile Solution Ltd, Madurai	August 02, 2013
Seminar / Conference			
19.	Second National Conference on Research & Advance in Mechanical Engineering – RAME'14	Dr. T. Christopher, Professor & Head, Mechanical Engineering, Government College of Engineering, Tirunelveli	March 28 – 29, 2014
20.		Dr. A. Ramesh, Professor, Mechanical Engineering, Indian Institute of Technology, Madras, Chennai.	
21.		Dr. J.T. Winowlin Jappes, Professor, Mechanical Engineering, Cape Institute of Technology, Tirunelveli	
22.		Dr. M.L. Mahadevan, Associate Professor Mechanical Engineering, Thiagaraja College of Engineering, Madurai	
23.	One day seminar on Nanotechnology applications in Automobile industry and Mechanical Engineering	Dr. N. Bose & Dr. N. Selva kumar Professor/ Mechanical Mepco Schlenk Engineering College, Sivakasi	January 24, 2014

24.	First National Conference on Research & Advance in Mechanical Engineering – RAME'13	Dr. M.Nataraj & Professor/ Mechanical GCT, Coimbatore	March 01, 2013

33. List the teaching methods adopted by the faculty for different programmes.

- Lecture by Chalk and Talk
- Lecture with a quiz / questions
- Tutorial
- Demonstration (Such as model, laboratory, field visit)
- Group Discussion
- Group Assignment/ Project
- Presentations
- Through Learn on line - **Moodle** is in use to perform various activities like group assignments / group projects and to share the materials.
- e-content through national and international portals such as:
 - **NPTEL** <http://nptel.iitm.ac.in>
 - **MIT Open Courseware** <http://ocw.mit.edu/index.htm>

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Bi-weekly test for all the theory courses is conducted by the department.
- Internal Assessment Tests (3 Nos. / Semester) are conducted by the examination cell.
- The performance is analyzed in the class committee meeting. The class committee is constituted by the regulations of the Anna University. The class committee is having the following members:
 - A senior faculty member as chair person,
 - Student members (selective students from top, middle and bottom level),
 - Subjects handling staff,
 - Class advisors
- The difficulties faced by the student and staff are discussed in the class committee and the same is forwarded to Head of the Department and Principal for necessary action.
- For project work, regular reviews (3 Nos.) are conducted by the department.

35. Highlight the participation of students and faculty in extension activities.

- **Students:**
 - **Participation in inter and intra college symposiums, paper presentations.**

S.No	Name of the student	Event name	Organization	Date
1.	V.Sathishkannan	National Workshop on Challenges and Innovative Practices in Automotive Technology	Kalasalingam University, Krishnankoil	February 15, 2013
2.	P.Venkatesh	National level technical symposium	Paavai College of Engineering, Namakkal	February 13-14, 2014
3.	S.Allagappan	National level technical symposium	National engineering college, kovilpatti	April 12, 2013
4.	Bharatkumar K Vignesh Prasanna S	National level technical symposium	National engineering college, kovilpatti	April 12, 2013
5.	Dhananjaya	National level technical symposium	National engineering college, kovilpatti	April 12, 2013
6.	Suresh A.N Chenthatti Kalai P Dineshkumar S Muthukumaran M	National level technical symposium	Nadar saraswathi college of engineering and technology	October 19, 2012
7.	S.Ravikumar And A.Vijay	National level symposium	JJ college of engineering and technology, trichy on 27.09.2012	September 27, 2012
8.	J.Manoharan B.Siva Sankar	National level technical symposium	Sri andal alagar college of engineering mamandur	September 21, 2012
9.	P.Arunkumar C.Aravindaraj	Hydro kinetic renewable energy resources	Jayamatha engineering college	September 14, 2012
10.	C.Ayyanar M.Durairaj	Alternate fuels	Jeyamatha engineering college	September 14, 2012
11.	P.Muthupandi G.V Praveen	National level technical symposium	Kongu engineering college,perundurai	September 12, 2012
12.	Jayakarthykeyan M.Mohinder Ragu S.Kathiravan	National level technical symposium	Marthandam college of engineering	September 11, 2012
13.	S.Janakiraman P.Ayyappan	Matrix' 12	Marthandam college of engineering	September 11, 2012
14.	S.Janakiraman P.Ayyappan	Matrix' 12	Marthandam college of engineering	September 11, 2012
15.	Monoharan S.Kathiravan	Performance analysis of two	Kalasalingam university	March 30 – 31, 2012

		phase closed thermo syphon using aqueous solution		
16.	Vinoth Kannan A	National level technical symposium	National engineering college , kovilpatti	March 07, 2012
17.	Rajesh Kannan S	National level symposium	JJ college of engineering and technology, trichy on 27.09.2012	September 24, 2011
18.	Jibin B George A.N.Suresh	Research issues in reinforced materials	Kalasalingam university	August 27, 2011
19.	S.S. Harinarayanan S.Vignesh S.Manoj	Investigation and fem analysis on helmet	Vel tech Dr.Rr& Dr.Sr Technical University	August 25 – 26, 2011
20.	M.Kausik M.Karthick Raja M.Karuppasamy	Recent trends in machining	Amrita viahwa vidyapeetham university coimbatore	August 25 – 26, 2011
21.	A.Vinoba Pandian V.Suganthan	Evitators 2k11	PTR college of engineering	August 24, 2011

○ **Presentation of technical papers in National level conferences**

S.No	Name of the student	Paper title	Event name	Organization	Date
1.	R.Vembhathu Raja	Farication and testing of groud husk reinforced polyester composites	International Conference on Advanced Manufacturing and Automation	Kalasalingam university	March 28 – 30, 2013
2.	R.Vembhathu Raja	Analysis of mechanical properties of epoxy bonded with natural fiber	International Conference on Advanced Manufacturing and Automation	Kalasalingam university	March 28 – 30, 2013
3.	R.Jeyakarthikeyan	CFD model of reciprocating air compressor	International Conference on Advanced Manufacturing and Automation	Kalasalingam university	March 28 – 30, 2013
4.	S.Vignesh	Review on unconventional air conditional air conditioning	National Conference on Design, Materials & Constructions	Vel Tech Dr.Rr & Dr.Sr Technical University	August 25 – 26, 2011

5.	P.Muthupandi	Evaluation of diffusion bonded joint	National Conference on Recent Advances in Mechanical Engineering	Sun college of engineering	March 24 – 25, 2011
6.	S.Vignesh	Review on unconventional air conditional air conditioning	International Conference on Thermal Energy and Environment	Kalasalingam university	March 24 – 26, 2011
7.	P.Muthupandi	Appraise the quality of diffusion bonded joints	National conference on Advanced Design and Manufacture	Einstein college of engineering	January 06 – 07, 2011
8.	P.Muthupandi	Dieless wire drawing machine	National Conference on Recent Advances in Materials	Karpagam College of Engineering and Technology, Coimbatore	September 29, 2010

○ **Participation of social activities**

- The students are actively participated in the social activities through NSS, RRC and YRC
- Through these associations the students are regularly participated in NSS camps, medical camps and tree plantation in and around the college

○ **Participation in blood donation camp**

S. No.	Name of the student	Year	Date
1.	S. Marivelraj	II	14.02.2014
2.	G.Karuppasamy		
3.	T.Balu		
4.	T.Pugazhl raj		
5.	V.Naveenkumar		
6.	M.Subramanian		
7.	Nantheeshkumar		
8.	V.Mariselvam		
9.	K.Sundaram		
10.	A.Halith Musthaba		
11.	P.Kiruba Jegatheesh		
12.	K.Gowtham		
13.	S.Krishnakumar		

14.	S.Dineshkumar		
15.	V.Karthikeyan		
16.	D.Manimaran		
17.	K.Bharathkumar		
18.	S.Arumugam		
19.	P.Marimuthu		
20.	M.Kathiravan		
21.	T.Jegatheesh		
22.	A.Nixonsavariraj		
23.	P.Pandi		
24.	S.Karthik		
25.	V.Meenakshisundaram		
26.	T.Muhamad Azarutheen		
27.	T.Muthukumaran		
28.	J.RubenSamual		
29.	S.Vignesh		
30.	S.Vinothkumar		
31.	S.Vijatyakumar		
32.	M.Muniasamy		
33.	R.Arunkumar		
34.	Deepak P	II	21.07.2013
35.	Abdul Rahim.AA	IV	19.02.2011
36.	Arun M	IV	19.02.2011
37.	Ruban Kumar. B	IV	19.02.2011
38.	Shenbagasamysankar. K	IV	19.02.2011
39.	Sriram. B	IV	19.02.2011

- **Faculty:**

- Present technical papers in international/national conferences / seminars

List given in Question No: 14

- Publish technical papers in reputed journals

List given in Question No: 14

- **Conducting the faculty development programs**

S.No	Title of FDP	Source of Funding	Date	No. of participants
1	Design of Transmission Systems	Anna University, Chennai	10/12/12 To 17/12/12	18

- **Delivering lecture in faculty development programs**

S.No	Name of the faculty	Title of FDP	Organized by	Date
1.	Dr. P. Pitchipoo	Recent Trends in CAD / CAM	P.A.C. Ramasamy Raja Polytechnic College, Rajapalayam – 626108	November 19, 2013.
2.	Dr. P. Pitchipoo	Probabilistic Design and Analysis Level – I	by Government College of Engineering, Tirunelveli	September 24, 2013.
3.	Mr. A. Muthiah	Recent Trends in Conventional and Renewable Energy Sources and Technology	V.S.Vellaichamy Nadar Polytechnic College, Virudhunagar	May 20, 2013

○ **Taking responsibilities on administrative activities**

S.No	Name of the Faculty	Administrative Responsibilities
1.	Dr. K.R. Viswanathan	- Principal - Controller of Examination - Member Board of Management - Chairman – Academic Council
2.	Dr. P. Pitchipoo	- Head of the department - Member – Research and Development Cell
3.	Mr. A. Muthiah	- Secretary – Staff Club - Staff in-charge – Time Table Cell
4.	Mr. G. Uthayakumar	Member – Industry Institution Interaction Cell
5.	Mr. K. Ganesan	Staff in-charge – Mechanical Maintenance cell
6.	Mr. P. Ebenezer Sathish Paul	Staff in-charge – Innovation Cell
7.	Mr. M. Suresh	Member - RRC
8.	Mr. C. Gururaj	Member – Mechanical Maintenance cell
9.	Mr. M. Ramesh	Staff in-charge – AC Maintenance cell
10.	Mr. M. Ramar	Member – Innovation cell

36. Give details of “beyond syllabus scholarly activities” of the department.

- The department is having a laboratory in which the following equipments which are beyond the curriculum are available:
 - Air conditioner working model
 - Washing machine
 - Engine model
 - Projects done by students
- Regular industrial visits
- In-plant training by students during semester holidays
- Regular guest lecture by industrial experts
- Encouraging the students to participate project contest, paper presentation etc.,

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- Yes. certified with **ISO 9001:2008** by **Germanischer Lloyd**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

- Strength:
 - Excellent infrastructure
 - Adequate laboratory and library facilities
 - Qualified faculty members
 - University Rank holders
 - Excellent staff student ratio
 - Motivate to do research
 - Value added programmes for students & Staff
- Weakness:
 - Research centre recognition
 - Consultancy services to pick up
 - Patents
 - Less number of Ph.D faculty
 - Average level of communication skills
- Opportunities:
 - Supportive management
 - Modernization in teaching learning process
 - Student's involvement in many co-curricular and extra-curricular activities
 - Soft skill training / Placement training programmes
 - Continuous improvement process for developing students knowledge
 - Prospective students
 - Excellent educational atmosphere

- Challenges:
 - Institute Industry interaction
 - Train the Students with latest technological background
 - More number of students from rural area
 - Internship
 - Funded projects

39. Future plans of the department.

- Recognized Research centre of Anna University, chennai
- To introduce B.E. Automobile Engineering
- Implementation of energy / solar park
- To organize international conference
- Plan to publish department magazine for every 3 months
- Modernization of Laboratories to enhance the consultancy
- Funded projects

Department of Biotechnology

1. Name of the Department & its year of establishment

Name of the department : **Department of Biotechnology**
 Year of establishment : **2002**

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Names of Programmes / Courses offered	Description
B.TECH in BIOTECHNOLOGY	Started with 30 seats in 2002

3. Interdisciplinary courses and departments involved

S.No	Name of the course	Name of the department	Semester
1.	Computing fundamentals and 'C' programming	CSE	I
2.	Computer Practice Laboratory - I	CSE	I
3.	Computer Practice Laboratory - II	CSE	II
4.	Basic Electrical and Electronics Engineering	EEE	II
5.	Environmental Science and Engineering	Chemistry	III
6.	Total Quality Management	MBA	VII

4. Annual/ semester/choice based credit system

Semester based credit system

5. Participation of the department in the courses offered by other departments - Nil

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	1	1
Associate Professors	1	1
Asst. Professors	6	6

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr.K.Subramanian	M.Sc M.Phil Ph.D	Professor	Physio-toxicology	10	-
Mrs. R.Rajeswari	M.Sc M.Phil. (Ph.D.)	Asso.Professor	Biochemistry	11	-
Mrs.D.Jansirani	M.Sc M.Phil. (Ph.D.)	Asst.Professor	Biochemistry	7	-
Ms.R.Saradha	M.Tech	Asst.Professor	Biotechnology	3	-
Ms.S.Lakshmipraba	M.Tech	Asst.Professor	Biotechnology	2	-
Mr.A.Vimal Arasan	M.Tech	Asst.Professor	Biotechnology	2	-
Ms.M.Gnanasarawathi	M.Tech	Asst.Professor	Biotechnology	1	-
Mr.R.P.Rajadurai jesudoss	M.Tech	Asst.Professor	Biotechnology	1	-

8. Percentage of classes taken by temporary faculty – programme-wise information

Nil

9. Programme-wise Student Teacher Ratio

S.NO	Programme	Student Teacher Ratio
1	B.TECH-BIOTECHNOLOGY	12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technician	1	1

S.No	Name of the Support Staff	Qualification	Designation	Laboratory	No. of Years of Experience
1.	Mr.T.Perumal	B.Sc.	Lab Technician	Biotechnology Lab	7

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

- Ongoing projects: Nil

13. Research facility / centre with

- state recognition
- national recognition
- international recognition

Nil

14. Publications:

*** number of papers published in peer reviewed journals (national / international)**

1. K. Subramanian, N. Sakthivel and SMH Qadr, 2013. Rearing Technology of Erisilkworm (*Samia cynthia ricini*) under varied seasonal and host plant conditions in tamil nadu. *Int. J. LifeSc. Bt & Pharm.* **2**(2): 130-141.
2. D. Jansirani, 2013. "Phytochemical screening and antimicrobial activity of various solvent extracts of *Annona reticulata* leaves" International journal of science inventions today, Vol. 2, issue (5), PP:347-358.
3. K. Subramanian, N. Sakthivel and SMH Qadr, 2012. Effect of Cocoon Characters, Copulation and Oviposition Devices on the GrainagePerformance of *Samia cynthia ricini* (boisduval). *Int. J. LifeSc. Bt & Pharm.* **1**(4): 193-202.
4. Rajeswari.R,(2011) "Utilization of waste ripe banana, and peels for Bioethanol production using *Saccharomyces cerevisiae*" Journal of Biosciences Research
5. **K. Subramanian**, S. Ignacimuthu and R. Seenivasagan, 2006. Efficacy of NeemAzal T/S and its synergistic activity with selected pesticides against larvae of (Tobacco Caterpillar) *Spodoptera litura* (Fab.). *J. Appl. Zool. Res.* **17**(2):31-35
6. **K. Subramanian**, D. Amuthamurugan, J. Diraviam, N. Sakthivel, S. Jayaraj and SMH Qadri, 2008. Castor and Tapioca Pest Management for Eri Culture in South India. *Proc.: Recent Trends in Insect Pest Management*. Elite Publishing House Pvt Ltd. P. 96-106.
7. **K. Subramanian** and S. Ignacimuthu, 2006. Feeding physiology of *Spodoptera litura* (F.) on different cotton cultivars. *J. Ent. Res.* **30**(2): 125-129
8. **K. Subramanian**, N. Raja and S. Ignacimuthu, 2006. Feeding, oviposition deterrent and larvicidal activity of neemazal against *Spodoptera litura* (F.) in different cotton cultivars. *Pest Management Economic Zoology* **14**(1&2): 129-133.
9. M. Pavunraj, **K. Subramanian**, C. Muthu, S. Prabu Seenivasan, V. Duraipandiyan, S. Maria Packiam and S. Ignacimuthu, 2006. Bioefficacy of *Excoecaria agallocha* (L.) leaf extract against the armyworm *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *Entomon* **31**(1): 37-40
10. **K. Subramanian**, N. Raja and S. Ignacimuthu, 2005. Biology of *Spodoptera litura* on different cotton cultivars. *Entomon* **30**(4): 355-357

11. S. Mariya Packiam, **K. Subramanian**, M. Pavunraj, M. Ramar and S. Ignacimuthu. 2005 Efficacy of Different Biopesticides (Oil formulation) in Controlling Some Filed pests. *Proc. Workshop on Promotion of Bio- Pesticides and Bio- Fertilizers in Agriculture*, National Institute of Rural Development, Hyderabad. P.145-150.
12. E. Ragupathy, R.W. Alexander Jesudasan, A. Jeyasankar and **K. Subramanian** (2004). Efficacy of ethyl acetate extract of a fern, *Lygodium microphyllum* against the Asian armyworm *Spodoptera litura*. *J. Appl. Zool. Res.* **15**(1): 4-8.
13. E. Ragupathy, **K. Subramanian**, M. Muthuraj, S. Ignacimuthu and K. Sahayaraj, 2002. Diversity of reduviids in southern districts of Tamil Nadu. *J. Nature conservation*, **13**(2): 237-244.
14. **K. Subramanian** and K. Karupasamy, 2001. Impact of ammonium sulfate fertilizer in water medium on the catfish *Mystus seenghala*. *Journal of Ecophysiology* **4**(3-4): 123-125.

*** number of papers presented in conferences (national / international)**

1. **D. Jansirani**, 2013, "Phototriggered cytotoxicity against Multidrug Resistant Microbes using Natural Photosensitizers" in National conference on Emerging trends in medicinal plants and herbal products held at the Research Department of Botany, VHNSN College, Virudhunagar.
2. **K. Subramanian**, J. Amalraj and S. Jayaraj (2007). Ericulture: a remedy for poor tapioca and castor farming community. Presented at National conference on "Environmental studies and Biodivesity" held at department of Zoology, Sri Vasavi College, Erode.
3. **K. Subramanian**, D. Amuthamurugan, J. Diraviam, N. Sakthivel, S. Jayaraj and S.M.H. Qadri (2007). Castor and tapioca pest management for eri culture in S. India. At national symposium on *Recent trends in Insect Pest management* held at ERI, Loyola college, Chennai-34.
4. D. Amuthamurugan, **K. Subramanian**, T. Maheshkumar, J. Diraviam, N. Sakthivel, S. Jayaraj and S.M.H. Qadri (2006). Integrated pest management in two eri silkworm host plants in South India. Presented at National seminar on "Soil health and water management for sustainable sericulture" held at Regional Sericultural Research Station, Central Silk Board, Kodathi, Bangalore.
5. S. Jayaraj, S.M.H. Qadri, T.M. Veeraiah, J.V. KrishnaRao, S. Masilamani, T.V.S. SrinivasaRao, S. RajaDurai, **K. Subramanian** and Dandin, S.B. (2006). "Correlation studies between soil texture and distribution of mulberry roots in different depths of soil in South India" held at Regional Sericultural Research Station, Central Silk Board, Kodathi, Bangalore.
6. S. Jayaraj, S.M.H. Qadri, **K. Subramanian** D. Amuthamurugan, T.S. Krishnamoorthy, N. Sakthivel, R. Anbhazhagan, M. Maheshkumar and C. Madesu (2005). Biodiversity considerations of host plants of eri silkworm, their pests and biocontrol agents under South Indian conditions. Presented at National symposium on "Biodiversity and Insect Pest Management" held at ERI, Loyola College, Chennai-34.
7. D. Amuthamurugan, S. Jayaraj, S.M.H. Qadri, M. Maheshkumar, T.S. Krishnamoorthy, N. Sakthivel, R. Anbhazhagan, **K. Subramanian**, and C. Madesu

- (2005). Integrated pest management in castor in relation to eri culture. Presented at National symposium on “Biodiversity and Insect Pest Management” held at ERI, Loyola College, Chennai-34.
8. **K. Subramanian**, R. Seenivasagan, R. Senroyan and S. Ignacimuthu (2003). NeemAzal™ for sustainable management of *Spodoptera litura*. Presented at National symposium on “Sustainable pest management” held at ERI, Loyola College, Chennai-34.
 9. **K. Subramanian**, N. Raja and S. Ignacimuthu (2003). Host plant utilization for development of *Spodoptera litura*. Presented at National symposium on “Recent trends on the study of aquatic and terrestrial bio-resources” held at Department of Zoology, Annamalai University, Annamalai Nagar.
 10. E. Ragupathy, **K. Subramanian** and S. Prabuseenivasan (2002). Traditional ecological knowledge for insect pest control in South Tamil Nadu. Presented at “National Conference on Management of Natural Resource for our Sustenance” held at School of Entomology, Loyola College, Chennai-34.
 11. E. Ragupathy, R.W. Alexander Jesudasan, S. Prabuseenivasan, A. Jeyasankar and **K. Subramanian** (2002). Efficacy of ethyl acetate extract of the fern, *Lygodium microphyllum* against *Spodoptera litura*. Presented at VI AZRA conference on “Advances in applied zoological researches for food production and environmental safety” held at CRRI, Cuttack, Orissa-06.

* Monographs

Nil

* Chapter(s) in Books

Nil

* Editing Books

Nil

* Books with ISBN numbers with details of publishers

Nil

* **Number listed in International Database** (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

* Citation Index – range / average

-

* SNIP

-

* SJR

-

* Impact factor – range / average

0.4-0.8 / 0.5

15. Details of patents and income generated

Nil

16. Areas of consultancy and income generated

Nil

17. Faculty recharging strategies

- Organizing Faculty Development Programs, Workshops, Seminars and Conferences

S.No	Title of the programme	Nature of the Programme	Date
1	Biosparks	Technical symposium	03/08/2013
2	Advanced Chromatographic Techniques	Workshop	19/10/2012

- Motivate the faculty to attend Faculty Development Programs and Workshops

S.No	Name of the Faculty	Title of the programme & Organizer	No. of days
1.	Dr. K. Subramanian	R & D Project Proposals – Awareness, Needs and Benefits. Organized by CTDT, Anna University, on 28.06.2013	1
2.	R. Rajeswari	Workshop on “Biodiesel” at GCT, Coimbatore, on 16.10.2013	1
		Emerging trends in Biochemical Engineerng at GCT, Coimbatore, from 2.12.2013-7.12.2013	7
2	R.Saradha	Workshop on “Sequence Analysis and Molecular Simulation” at Anna University, Chennai from 12.12.2012-15.12.2012	4
3	S. Lakshmi praba	Principles of Bioreactor Engineering at Annauniversity, Trichy from 16.12.2013-22.12.2013	7
4	M. Gnasaraswathi	Principles of Bioreactor Engineering at Annauniversity, Trichy from 16.12.2013-22.12.2013	7
5	R.P. Rajadurai jesudoss	Principles of Bioreactor Engineering at Annauniversity, Trichy from	7

		16.12.2013-22.12.2013	
6	A.Vimal Arasan	Applications of chemical Engineering Principles at NIT from 28.06.2012-29.06.2012	2

- Motivate the faculty to present Paper in Conferences

S.No	Name of the Faculty	Number of papers	
		Published in Journals	Presented in conference
1.	Dr. K. Subramanian	2	-
2.	R. Rajeswari	1	-
3.	D. Jansirani	1	1

- Organizing guest lectures

S.No	Title of the programme	Date
1	Green Recruitment	1.02.2013
2	Algal Biotechnology	27.07.2012
3	Basics of Cell Culture and Stem Cell Techniques	18.02.2012
4	Job Empowerment in Biotechnology and Chemical Engineering	21.01.2012
5	Bio-Medical Engineering	22.08.2011

- Organizing counseling programmes

S.No	Title of the programme	Date
1	“Molting and Molding Faces” conducted by Mr. Vimal Arasan, AP, Biotech, Dept.	15/02/2014
2	Promising faces of Biotechnology, conducted by seniors for junior	27.09.2012

18. Student projects

- percentage of students who have done in-house projects including inter-departmental
- percentage of students doing projects in collaboration with industries / institutes

S.No	Academic Year	percentage of in-house projects	percentage of industrial projects
1	2013/14	100%	-
2	2012-13	90%	10%
3	2011-12	70%	30%

19. Awards / recognitions received at the national and international level by

- Faculty:

S.No	Name of the faculty	Awards / recognitions	National / International
1	Dr. K. Subramanian	SLET	State
2	R. Rajeswari	SLET	State

- Doctoral / post doctoral fellows : Nil

- Students

Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S.No	Title of the programme	Source of Funding	Nature of programme	Date	No. of participants	outstanding participants
1.	Bio sparks'13	Department Association	National Symposium	03.08.2013	60	Dr. Parthipan, AD, TNAU
2.	Advanced chromatographic techniques	Department Association	workshop	19.10.2012	48	Mr. Sathese, Executive, Medox Pvt.Ltd.
3.	Advanced molecular and Immunological Techniques	Department Association	Seminar cum workshop	20-22. 01.2011	49	Mr. Jegadesh, Sr. Scientist, Medox Pvt.Ltd

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Academic year	Selected		Pass percentage	
			Male	Female	Male	Female
B.TECH in BIOTECHNOLOGY	-	2010-2014	2	9	100%	100%
		2009-2013	6	11	100%	91%
		2008-2012	4	17	100%	100%
		2007-2011	6	28	100%	100%

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.TECH in BIOTECHNOLOGY	Not Applicable	100%	--	--

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S.No	Competitive Examinations	No. of students cleared
1	GATE	1

24. Student progression

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG				NA
PG to M.Phil.				NA
PG to Ph.D.				NA
Ph.D. to Post-Doctoral				NA
Employed				
• Campus selection	-	23.8%	11.75%	36%
• Other than campus recruitment		(5/21)	(2/17)	(4/11)
Entrepreneurs				--

25. Diversity of staff

Percentage of faculty who are graduates			
	UG	PG	Ph.D
of the same parent university	63%	50%	
from other universities within the State	27%	50%	100%
from other universities from other States	--	--	

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Nil

27. Present details about infrastructural facilities

a) Library (Department)

- Area: 3m x 2m
- Number of Titles: 32
- Number of Books: 47
- Daily News Paper: 01
- VCD & DVD:

b) Internet facilities for staff and students

- For staff: Computers are provided in faculty rooms. LAN and WIFI facilities are available in all faculty rooms.
- For Students: Internet facilities are provided in Bioinformatics laboratory in the department. A common computer center is also providing internet facility. WIFI facility is also provided to all the students.

c) Total number of class rooms: 4

d) Class rooms with ICT facility: 02 (Seminar Hall & Department Library)

e) Students' laboratories: 07

f) Research laboratories: Nil

28. Number of students of the department getting financial assistance from College.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- Demand of the programme is taken as base
- Feedbacks from Senior Faculty Members of the Department, Academic Experts, Industrial Experts and Alumni Members.
- Suggestions from Board of management

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- Yes. The opinions / suggestions are obtained from the faculty members based

on their specialization and expertise.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- Yes. Every semester feedbacks are collected from the students for each and every faculty member. Based on their evaluation appreciation / counseling is given to the respective members to improve their performance.

c. alumni and employers on the programmes and what is the response of the department to the same?

- Yes. The opinions / suggestions are obtained from the alumni and employers to improve the curriculum. They are one among the members of Board of studies.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name of the Alumni	Batch	Organization	Position
1.	Dr.R.Srinivasan	2002-2006	SSN college	Assistant Professor
2.	Mrs.Priya Rekha	2002-2006	Infosys	Program Analyst
3.	Mr.Rengaraj	2003-2007	BOSCH, Germany	Research Analyst
4.	Mrs.S.Lakshmi priya	2004-2008	Anna University Chennai	Senior Research Fellow
5.	Mr.Aravind	2003-2007	Abhudhabi	Environmental Analyst
6.	Ms.S.Lakshmi Praba	2006-2010	P.S.R.Engineering College	Assistant Professor
7.	Ms.Kathika	2006-2010	IISC, Bangalore	Senior Research Fellow
8.	Ms.Sargunam	2008-2012	Zifo Technologies	Research Analyst
9.	Mr.Jeyamanikandan	2005-2009	Jappiaar Engineering College	Assistant Professor
10.	Ms.Kasiammal	2008-2012	Sea Food Thoothukudi	Quality Control Engineer

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

S.No	Title of the programme	Guest	Date
Paper presentation & Technical competitions			
1.	Bio Sparks '13	Dr.Prathaban Director, Tamilnadu Agricultural University Coimbatore	03.08.2013
2.	Basic cell culture and Stem cell Techniques	Mr. Makesh Kumar, Senior Executive, Cell Bios Pvt. Ltd. Chennai	18.02.2012
3.	Three days seminar cum workshop on Advance molecular and Immunological techniques	Mr. Jegadesan, Senior Scientist Medox Biotech Pvt. Ltd. Chennai	20.01 - 22.01.2011

33. List the teaching methods adopted by the faculty for different programmes.

- Lecture by Chalk and Talk
- Lecture with a quiz / questions
- Tutorial
- Demonstration (Such as model, laboratory, field visit)
- Group Discussion
- Group Assignment/ Project
- Presentations
- Through Learn on line - **Moodle** is in use to perform various activities like group assignments / group projects and to share the materials.
- e-content through national and international portals such as:
 - NPTEL <http://nptel.iitm.ac.in>
 - MIT Open Courseware <http://ocw.mit.edu/index.htm>

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Bi-weekly test for all the theory courses is conducted by the department.
- Internal Assessment Tests (3 Nos. / Semester) are conducted by the examination cell.
- The performance is analyzed in the class committee meeting. The class committee is constituted by the regulations of the Anna University. The class committee is having the following members:
 - A senior faculty member as chair person,
 - Student members (selective students from top, middle and bottom level),
 - Subjects handling staff,
 - Class advisors

- The difficulties faced by the student and staff are discussed in the class committee and the same is forwarded to Head of the Department and Principal for necessary action.
- For project work, regular reviews (3 Nos.) are conducted by the department.

35. Highlight the participation of students and faculty in extension activities.

- Students:
 - Participation in inter and intra college symposiums, paper presentations.
 - Presentation of technical papers in National level conferences

S.No	Name of the student	year	Event name	Organization	Date
1	V.Umadevi & N.Venkadeswari	Final	Biosparks'13	P.S.R.Engineering College	3.8.12012
2	M.Abinaya Shree	Final	Zoro'13	Kamaraj College of Engineering and Technology	22.02.2013
3	G.Safia	Final	Zoro'13	Kamaraj College of Engineering and Technology	22.02.2013

- Faculty:
 - Present technical papers in international/national conferences / seminars
List given in Question No: 14
 - Publish technical papers in reputed journals
List given in Question No: 14

- Taking responsibilities on administrative activities

S.No	Name of the Faculty	Administrative Responsibilities
1.	Dr. K.Subramanian	• Head of the department
2.	Mrs.R.Rajeswari	• Deputy controller of Examinations

36. Give details of “beyond syllabus scholarly activities” of the department.

- The department is having a laboratory named “Laboratory beyond the curriculum” with the following items:

- Gas chromatography
 - CO2 incubator
 - Furnace
 - Project models done by students
- Regular industrial visits
- In-plant training by students during semester holidays
- Regular guest lecture by industrial experts
- Encouraging the students to participate project contest, paper presentation etc.,

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- Yes. certified with **ISO 9001:2008** by **Germanischer Lloyd**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

- Strength:
 - Excellent infrastructure
 - Adequate laboratory and library facilities
 - Qualified faculty members & University Rank holders
 - Excellent staff student ratio
 - Motivate to do research project
 - Advanced training programmes for students & Staff
- Weakness:
 - Research centre recognition
 - Consultancy services to pick up
 - Patents
 - Less number of Ph.D faculty
 - Average level of communication skills
- Opportunities:
 - Supportive management
 - Modernization in teaching learning process
 - Student's involvement in many co-curricular and extra-curricular activities
 - Soft skill training / Placement training programmes
 - Continuous improvement process for developing students knowledge
 - Prospective students
 - Excellent educational atmosphere

- Challenges:
 - Institute Industry interaction
 - Train the Students with latest technological background
 - More number of students from rural area
 - Internship
 - Funded projects

39. Future plans of the department.

- Recognized Research centre of Anna University, chennai
- To introduce value added programs
- To organize international conference
- Plan to publish minimum five research papers in a academic year
- Modernization of Laboratories to enhance the consultancy
- Funded projects

Department of Humanities and Science (Supporting Department)

1. Name of the Department & its year of establishment

Name of the department : **Humanities and Science**

Year of establishment : **1999**

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Not Applicable

3. Interdisciplinary courses and departments involved

Subjects handled by **Humanities and Science staff**

S.No	Name of the course	Name of the Department	Semester
1.	Technical English - I	All Engg Disciplines	I
2.	Engineering Mathematics- I		I
3.	Engineering Physics - I		I
4.	Engineering Chemistry - I		I
5.	Physics and Chemistry Laboratory-I		I
6.	Technical English - II		II
7.	Engineering Mathematics- II		II
8.	Engineering Physics - II		II
9.	Engineering Chemistry - II		II
10.	Physics and Chemistry Laboratory-II		II

4. Annual/ semester/choice based credit system

Semester based credit system

5. Participation of the department in the courses offered by other departments

S.No	Name of the course	Name of the department	Semester
1	Transforms & Partial Differential Equation	BT, CSE, Civil, ECE, EEE, Mech & IT	III
2	Probability & Random Processes	ECE	IV
3	Probability & Queuing Theory	CSE & IT	IV
4	Probability & Statistics	BT	IV
5	Numerical Methods	Civil, CSE, IT, EEE	IV, VI
6	Statistics & Numerical Methods	Mech	IV
7	Discrete Mathematics	CSE	V
8	Applied Mathematics for Engineering Design	M.E. Engineering Design	I

9	Operation Research	M.E. CSE	I
10	Applied Mathematics	M.E. Structural Engineering	I
11	Applied Mathematics for Electronics Engineers	M.E. Applied Electronics	I
12	Applied Mathematics for Electrical Engineers	M.E. Power electronics and Drives	I

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	1	1
Associate Professors	2	2
Asst. Professors	24	24

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
MATHEMATICS					
N. Udhayasoorian	M.Sc., M.Phil	Asst.Prof.(Sr. Grade) & HOD	Mathematics	18 Y	
V. Ramamoorthi	M.Sc., M.Phil	Asst.Prof.(Sr. Grade)	Mathematics	19 Y 6 M	
D. Sriram	M.Sc., B.Ed., M.Phil	Asst.Prof.(Sr. Grade)	Mathematics	18 Y	
C. Kesavan	M.Sc., M.Phil., B.Ed	Asst.Prof.	Mathematics	4 Y	
P. RiniChitra	M.Sc., M.Phil	Asst.Prof.	Mathematics	1 Y 6 M	
T. Revathy	M.Sc., M.Phil	Asst.Prof.	Mathematics	1 Y 6 M	
K. Arunadevi	M.Sc., M.Phil	Asst.Prof.	Mathematics	1 Y 4 M	
Dr. M . Kavitha	M.Sc., M.Phil.,Ph.D.	Asst.Prof.	Graph Theory	8 Y	
V. Ramachandran	M.Sc., M.Phil.,B.Ed., Ph.D (Pursuing)	Asst.Prof.	Graph Theory	4 Y 7 M	
P. Arunachalam	M.Sc.,M.Phil.,B.Ed.,	Asst.Prof.	Mathematics	8 M	
Dr. N. Jeyabalan	M.Sc.,M.Phil., Ph.D.	Asst.Prof.	Linear Algebra	3 Y 2 M	
K.Porkodi	M.Sc., M.Phil	Asst.Prof.	Graph Theory	8 M	
PHYSICS					
P. Gopalakrishnan	M.Sc., M.Phil B.Ed.,	Asst.Prof.(Sr. Grade)	Physics	16 Y 4 M	

Name	Qualification	Designation	Specialization	No. of Years of Experience	NO. OF Ph.D. students guided in the last 4 years
M. Vigneswari	M.Sc., M.Phil., Ph.D (Pursuing)	Asst.Prof.	Physics	7 Y 6 M	
R. SankaraGomathi	M.Sc., M.Phil	Asst.Prof.	Physics	1 Y 6 M	
Dr. R. Srinivasan	M.Sc., Ph.D	Asso.Prof.	NanoMaterials	4 Y 9 M	
N. Rajeswari	M.Sc., M.Phil Ph.D(Pursuing)	Asst.Prof.	Physics	5 M	
V. Selva Murugan	M.Sc., M.Phil	Asst.Prof	Physics	6 M	
CHEMISTRY					
Dr.S. Essakimuthu	M.Sc., M.Ed., Ph.D	Prof.	Co-ordination Chemistry	11 Y	
Dr. S.Johnson Raja	M.Sc., Ph.D	Asso.Prof.	Bio-Inorganic Chemistry	6 Y	5
Dr. S. Sudharsan	M.Sc., Ph.D	Asst.Prof	Bio-Inorganic Chemistry	5 Y	
S. Siva	M.Sc., M.Phil., Ph.D(Pursuing)	Asst.Prof	Chemistry	2 Y 6 M	
ENGLISH					
M. Saravanan	M.A. M.Phil., Ph.D (Pursuing)	Asst.Prof.	English	8 Y 2 M	
P. Maharajan Nellaiyappan	M.A. M.Phil(Doing)	Asst.Prof.	English	7 Y 4 M	
J. Bridjit Jeya Chitra	M.A. M.Phil	Asst.Prof.	English	5Y10M	
S. Selvalakshmi Prabha	M.A. M.Phil	Asst.Prof.	English	3 Y	
M.Anish Alfred vaz	M.A. M.Phil., Ph.D (Pursuing)	Asst.Prof.	English	5 Y 6 M	

8. Percentage of classes taken by temporary faculty – programme-wise information

Nil

9. Programme-wise Student Teacher Ratio

Not Applicable

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technician	2	2
Office Assistant	Nil	Nil

S.No	Name of the Support Staff	Designation	Laboratory	No. of Years of Experience
1.	K. Pandiaraj	Lab Technician	Physics	6Y6M
2.	S. Jenita selvarani	Lab Technician	Chemistry	7M

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

- Ongoing projects: 1

S.No	Dept	Name of the Investigator(s) & Department	Title of the Research Project	Sponsor	Starting Year	Period	Sanctioned amount in Rs.	Status
1	Physics	Dr.R.Srinivasan	Synthesis and Characterisation of rare earth doped lanthanum and gadolinium oxide nanoparticles for luminescence applications	DST	2013	3yrs	17,00,000	On Going

13. Research facility / centre with

- state recognition
- national recognition
- international recognition

Nil

14. Publications:

* **number of papers published in peer reviewed journals (national / international)**

S.No	Name of the Faculty	Number of papers Published in peer reviewed Journals
1.	Dr. N. Jeyabalan	6
2.	V. Ramachandran	3
3.	Dr.M.Kavitha	-
4.	Dr. R. Srinivasan	11
5.	N. Rajeswari	8

6.	Dr .S.Johnson Raja	3
7.	Dr.S.Sudharsan	13
8.	S.Siva	6
9.	M. Anish Alfred Vaz	3

1. **N. Jeyabalan**, Fuzzy Homomorphism and Ideal Flags on Incline, Int. J. of Fuzzy Mathematical Archive, 1(1), 2013, 49 – 55.
2. **AR. Meenakshi, N. Jeyabalan**, Cosets and Ideals in a Regular Incline, Amer. J. Math. and Sci. , 1(1), 2012, 9 – 15.
3. **AR. Meenakshi, N. Jeyabalan**, Some Remarks on Ideals of an Incline, Int. J. of Algebra, 6(8), 2012, 359 – 364. (I.F 0.344)
4. **AR. Meenakshi, N. Jeyabalan**, On k-Ideals of Inclines, Advances in Algebra, 4(1), 2011, 25 – 34.
5. **AR. Meenakshi, N. Jeyabalan**, The Homomorphism Theorems in a Regular Incline, Int. J. Math. Archive, 2(6), June – 2011, 994 – 1001. (I.F 0.8)
6. **AR. Meenakshi, N. Jeyabalan**, Matrix Prime Ideals over an Incline, Int. J. Appl. Math. , 1(2), Oct.'10 – Mar.'11, 109 - 118.
7. **V. Ramachandran**, C.Sekar “One Modulo N Gracefulness Of Acyclic Graphs” J. of Ultrascientist of Physical Sciences, Vol.25(3)A, 417-424 Dec. 2013
8. **V. Ramachandran** , C.Sekar “One Modulo N Gracefulness Of n-Polygonal Snakes , $C_n^{(t)}$ and $P_{a,b}$ ” International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 10, 3514-3529 October – 2013 (IF- 1.76)
9. **V.Ramachandran**, C.Sekar “Graceful Labelling of arbitrary Supersubdivision of disconnected Graph” J. of Ultrascientist of Physical Sciences, Vol.25(2)A, 315-318 Aug. 2013
10. Structural and optical properties of europium doped yttrium oxide nanoparticles for Phosphor applications, **R. Srinivasan**, N. Rajeswari Yogamalar, J. Elanchezhian, R. Justin Joseyphus and A. Chandra Bose, *Journal of Alloys and Compounds* 496 (2010) 472 – 477 **(I.F -2.39)**
11. Structural and Optical Studies of Yttrium oxide Nanoparticles Synthesized by Co-Precipitation method, **R. Srinivasan**, N. Rajeswari Yogamalar, and A. Chandra Bose, *Materials Research Bulletin*, 45, (2010) 1165-1170. **(I.F -1.913)**
12. Factorial design to investigate various factors affecting the Grain size of SnO₂ nanoparticles" **R. Srinivasan**, M.Chandrasekar, S. Suresh and A. Chandra Bose, *International Journal of Nanomaterials and Technology*, 1, (2010) 17-21.
13. Structural properties of Sm³⁺ doped cerium oxide nanorods synthesized by hydrolysis assisted co-precipitation method, **R. Srinivasan** and A. Chandra Bose, *Materials Letters* 64, (2010) 1954-1956. **(I.F -2.224)**
14. Nanocrystalline SnO₂ coating on a optical fiber for ammonia sensing, B. Renganathan, G.Gobi, D. Sastikumar, **R. Srinivasan**, A. Chandra Bose, *Sensors Letters*, 8 (2010) 292- 296. **(I.F -0.517)**
15. Gas Sensing Properties of Needle Shaped Ni doped SnO₂ Nanocrystals Prepared by a simple Sol-gel Chemical Precipitation, Rajeswari Yogamalar, .V. Mahendran, **R. Srinivasan**, Ali Beitollabi, R. Pradeep Kumar, A. Vinu, and A.Chandra Bose, *Chemistry An Asian Journal*, 5, (2010) 2379-2385. **(I.F -4.572)**
16. Structural and optical properties of Eu³⁺ doped cerium oxide nanophosphors, **R. Srinivasan** and A. Chandra Bose *Functional Materials Letters*, 4, (2011) 13-16. **(I.F -1.27)**

17. Structural characterization of ceria nanoparticles, **R. Srinivasan** and A. Chandra Bose *AIP conference proceedings*, 1349 (2011) 367-368.
18. Synthesis and characterization of Er^{3+} doped Y_2O_3 nanoparticles, T. Selvalakshmi, S.Philomina, **R.Srinivasan** and A. Chandra Bose, **International Journal of Luminescence and its applications**, 2 (2012) 82-84.
19. Nanocrystalline aluminum oxide coating fiber optic vapour sensors, B. Renganathan, D. Sastikumar, **R. Srinivasan**, A. Chandra Bose and A.R. Ganesan, **Asian Journal of Chemistry** 25(2013), S373-S377.
20. Effect of hydrolysis time on grain size and properties of cerium oxide nanoparticles synthesized by hydrolysis assisted co-precipitation method, **R. Srinivasan** and A. Chandra Bose, **Nanoscience and Nanotechnology Letters**, (In-press) (I.F -0.886)
21. Lithium ion conducting solid polymer blend electrolyte based on Bio-Degradable polymers **N. Rajeswari**, S. Selvasekarapandian, M. Prabu, S. Karthikeyan, C. Sanjeeviraja Bulletin of *Material Science*, Vol. 36, No. 2, April 2013, pp. 333–339 (I.F-0.880)
22. Structural, Vibrational, Thermal And Electrical Properties Of PVA-PVP Biodegradable Polymer Blend Electrolyte With $\text{CH}_3\text{COONH}_4$ **N. Rajeswari**, S. Selvasekarapandian, S. Karthikeyan, C. Sanjeeviraja, Y. Iwai, J. Kawamura *Ionics* : 1-9 , January 09, 2013(I.F-1.674)
23. Fabrication and Electrochemical Properties of All Solid State Lithium Battery Based on PVA-PVP Polymer Blend Electrolyte **N. Rajeswari**, S. Selvasekarapandian, J. Kawamura, S. R. S. Prabakaran, *Emerging Trends in Science Engineering and Technology* (2012): 571-578 , January 01, 2012
24. Lithium ion conducting polymer electrolyte based on Poly (Vinyl alcohol) -Poly (Vinyl pyrrolidone) blend with LiClO_4 **N. Rajeswari**, S. Selvasekarapandian, S. Karthikeyan, H. Nithya, C. Sanjeeviraja *International Journal of Polymeric Materials*, Vol 61, Dec 2012 , p. 1164-1175(12) (I.F-1.204)
25. Conductivity and dielectric properties of Polyvinyl alcohol-polyvinylpyrrolidone poly blend film using non-aqueous medium **N. Rajeswari**, S. Selvasekarapandian, S. Karthikeyan, M. Prabu, G. Hirankumar, H. Nithya, C. Sanjeeviraja *Journal of Non-Crystalline Solids*, 357 (2011) 3751-3756 (I.F-1.597)
26. Synthesis and characterization of proton conducting polymer electrolyte based on poly (N-vinyl pyrrolidone) Naranappa Vijaya, Subramaniyan Selvasekarapandian, Shunmugavel Karthikeyan, Moni Prabu, **Natarajan Rajeswari**, Chinnappa Sanjeeviraja, *Journal of Applied Polymer Science*, Vol. 127, Issue 3, p 1538–1543, 5 Feb 2013 (I.F-1.289)
27. Proton conducting polymer electrolytes based on PVdF-PVA with NH_4NO_3 Muthuvinayagam Muthiah, Gopinathan Chellasamy, **Rajeswari, Natarajan** ,Selvasekarapandian Subramanian and Sanjeeviraja *Journal of polymer engineering*, DOI 10.1515/polyeng-2012-0146 (I.F-0.333)
28. Laser Raman, XRD, DSC and Ac-Impedance Analysis of Polymer Blend Electrolyte Based on Eco-Friendly Pva-Pvp Blend with NH_4NO_3 **Rajeswari, N.** Selvasekarapandian, S. Prabakaran, S. R. S.; Kawamura, J.; Iwai, Y.; Karthikeyan, S. *Solid State Ionics: Ionics for Sustainable World - Proceedings of the 13th Asian Conference*. Edited by Kawamura Junichi et al. Published by World Scientific Publishing Co. Pte. Ltd., 2013. ISBN #9789814415040, pp. 515-522 , doi: 10.1142/9789814415040_0061
29. Synthesis, Spectral Characterization, Antimicrobial Screening and DNA Binding, Cleavage Studies of Transition Metal Complexes of Heterocyclic Ligand Derived from 4-Aminoantipyrine and 2-Mercaptobenzimidazole P.Saravana Bhava, P.Tharmaraj, **S.Johnson Raja**, *International Journal of Innovative Research & Development*, 2, (2013) 378-396 (I.F: 1.672)
30. Synthesis and characterization of VO(II), Co(II), Ni(II), Cu(II) and Zn(II) complexes of chromone based azo-linked Schiff base ligand.C.Anitha, C.D.Sheela, P.Tharmaraj and **S.Johnson Raja**, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 98,

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31. Synthesis And Studies On Metal Complexes Of 5-(Furan-2-Yl)-3- (2-Hydroxy Phenyl)1-H Pyrazole-1-Carbothiohydrazide. P.Saravana Bhava,P.Tharmaraj,**S.JohnsonRaja**, International Journal of Scientific Research, **1**, (2012) 3-6 **(I.F: 0.332)**
 32. Removal of some selective metals from aqueous solution on phenolic composite resins. S. Siva, M. S. Sulaiman, **S. Sudharsan**, R. Sayeekannan*, Journal of energy and chemical engineering, Bowen Publications, USA, (Accepted article in press). **(I.F: 1.121)**
 33. Green, effective biological route for the synthesis of silver nanoparticles using Cyperus Rotundus grass extract. S. Siva, M. S. Sulaiman, **S. Sudharsan**, R. Sayeekannan*, International Journal of Current Research, 6-1 (2014) 4532-4538.
 34. Synthesis, Characterization and Application of Zero-Valent Silver nano Adsorbents.S. Siva, M.S.Sulaiman, **S. Sudharsan**, R. Sayeekannan*, International Journal of Innovative Research in Science, Engineering and Technology, 2-12 (2013) 8023-8037. **(I.F: 1.672)**
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 37. Self-assembled synthesis and *in vitro* cancer inhibition of peptide based nanocomplexes. N. Raman*, **S. Sudharsan**, *Sci. Adv. Mater.*, 5-2 (2013) 127-136. **(I.F: 3.308)**
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 39. Metal based pharmacologically active agents: Synthesis, structural elucidation, DNA interaction, *in vitro* antimicrobial and *in vitro* cytotoxic screening of copper(II) and zinc(II) complexes derived from amino acid based pyrazolone derivatives.N.Raman*,R. Jeyamurugan, **S. Sudharsan**, K. Karuppasamy, L. Mitu, *Arabian J. Chem.*, 6-2 (2013) 235–247. **(I.F: 2.266)**
 - 40.Synthesis and structural reactivity of inorganic-organic hybrid nanocomposites – A review.N. Raman*, **S. Sudharsan**, K. Pothiraj, *J. Saudi Chem.Soc.*, 16 (2012) 339–352. **(I.F: 1.288)**
 41. Phase-assisted synthesis and DNA unpacking evaluation of biologically inspired metallo nanocomplexes using peptide as unique building block. N. Raman*, **S. Sudharsan**, *J. Colloid InterfaceSci.*,364-1(2011)140-147. **(I.F: 3.172)**
 42. Phase transfer synthesis of N,N'(1,2-phenylene)bis-hippuricamide tethered metal based functionalized nanoparticles: A study on some novel microbial targeting peptide-mimic nanoparticles. N. Raman*, **S. Sudharsan**, *Appl. Surf. Sci.*, 257-24 (2011) 10659-10666. **(I.F: 2.112)**
 43. Metallation of ethylenediamine based Schiff base with biologically active Cu(II), Ni(II) and Zn(II) ions: Synthesis, spectroscopic characterization, electrochemical behaviour, DNA binding, photonuclease activity and in vitro antimicrobial efficacy. N. Raman*, A. Selvan, **S. Sudharsan**, *Spectrochim Acta-Part A*, 79-5 (2011) 873-883. **(I.F: 1.977)**
 44. Physico-chemical correlations of ground water resources in virudhunagar - An alarming case study. N. Raman*, K. Pothiraj, **S. Sudharsan**, *College Sadhana Journal for Bloomers of Research*, 3-2 (2011) 151-157.
 45. Removal of some selective metals from aqueous solution on phenolic composite resins. **S. Siva**, M. S. Sulaiman, S. Sudharsan, R. Sayeekannan*, Journal of energy and chemical

- engineering, Bowen Publications, USA, (Accepted article in press).
46. Studies on Macro Reticular Organic Resin as Low Cost Ion-Exchangers.k. Kavitha, M. S. Sulaiman, **S. Siva**, R. Sayeekannan*, *International Journal of Current Research*, (Accepted article in press). **(I.F: 1.125)**
 47. Green, effective biological route for the synthesis of silver nanoparticles using Cyperus Rotundus grass extract. **S. Siva**, M. S. Sulaiman, S. Sudharsan, R. Sayeekannan*, *International Journal of Current Research*, 6-1 (2014) 4532-4538. **(I.F: 1.125)**
 48. Synthesis, Characterization and Application of Zero-Valent Silver nano Adsorbents. **S. Siva**, M. S. Sulaiman, S. Sudharsan, R. Sayeekannan*, *International Journal of Innovative Research in Science, Engineering and Technology*, 2-12 (2013) 8023-8037. **(I.F: 1.672)**
 49. Phenol and Formaldehyde Cationic Resin Blended with Sulphonated Aegle Marmelos Charcoal. R. Sayeekannan*, **S. Siva**, K.Kavitha, N.Kannan, Material Science Forum, Trans Tech Publications, and Switzerland. (Vol.699PP 281-291 (2012)).
 50. Studies on removal of metal ions using resins blended with mimosa pudica sulphonated Carbon R. Sayeekannan*, K.Kavitha, S. ilayaraja, **S. Siva** International Journal of scientific research.(vol.1 10-13 (2012) **(I.F: 0.3317)**
 51. Anish Alfred Vaz.M, "Escape from Physical Labour as Depicted in the Plantation Tales of African-American Vernacular Literature.," **English Studies International Research journal**, Vol1, Issue 1, Pg 12-14, ISSN: 2347-3479 , 2013
 52. Anish Alfred Vaz.M, "Escape from Supernatural Elements and Their Implications as Depicted in the African American Vernacular Folktales .," **English Studies International Research journal**, Vol1, Issue 1, Pg 15-17, ISSN: 2347-3479 , 201353
 53. Anish Alfred Vaz.M, "An Analysis of the Theme of Escape from Hierarchical Supremacy in Black Vernacular Tales," **Literary Vibes- National Refereed journal**, Vol. II Issue II, Pg. 20-26, ISSN: 2320-6896 , 2013

List of Papers Presented in the Conferences:

1. **N. Jeyabalan**, "Matrix Prime Ideals over an Incline", 2nd Annual Research Congress (KUARC), Karpagam University, Dec 11th, 2010.
2. **N. Jeyabalan**, "Fuzzy Homomorphisms, Flags and Cosets on Incline Algebra", Present Trends in Algebra and its Applications, JMJ college for Women, Tenali, Andra Pradesh, July 11 - 12, 2011.
3. **N. Jeyabalan**, "Fuzzy Homomorphism and Ideal Flags on Incline", 3rd Annual Research Congress (KUARC), Karpagam University, Dec 9 - 10, 2011.
4. **V. Ramachandran** "Graceful Labelling of supersubdivision of ladder" Government College, Kattappana, Kerala NSANDM - Nov 2012
5. **V. Ramachandran**, "Gracefulness and One Modulo N Gracefulness of $L_n \otimes S_m$ " at Raja Doraisingam Government Arts College, Sivagangai, on NCRDAGT – (Aug 2 & 3)2013.
6. **V. Ramachandran**, "One Modulo N Gracefulness of Acyclic Graphs" at The Madura College, Madurai, on NCLADOG – (Aug 29 & 30)2013.
7. **V. Ramachandran**, "One Modulo N Gracefulness of cycle related Graphs" at PSG College of technology, Coimbatore, on ICAMM 2014. Jan 3-5 2014
8. M. Kavitha "Strong and Total Strong Dominating Functions of a Graph" in National Conference on Graph Theory, 20th and 21st August 2012, Sastra University, Thanjavur.
9. M. Kavitha "Maximal Strong Independent Functions in a Graph" in National Seminar on Recent Trends in Coloring of Graphs, 24th and 25th August 2012, Sethupathy Government Arts College, Ramanathapuram.
10. Structural Characterization of Cerium doped Ytria nanoparticles, **R. Srinivasan**, N.

- Rajeswari Yogamalar, A. Chithambararaj, and A. Chandra Bose, MatCon 2010, Cochin University, Cochin, January 11-13, 2010.
11. Structural and Absorption Study on Gadolinium Oxide Nanoparticles Prepared by Hydrothermal Method, T. Selvalakshmi, **R. Srinivasan** and A. Chandra Bose in TICAS 2012, Kalasalingam University, Krishnankoil, March 2-3, 2012.
 12. Investigation of strain, Stress and crystallite size on the Cerium oxide nanoparticles using broadening of X-ray powder diffraction peak profile, **R. Srinivasan** and A. Chandra Bose in NCAM 2013, PSN College of Engineering and Technology Tirunelveli, January 23-25, 2013.
 13. Structural, Electrical And Temperature Dependent ^1H NMR Studies On PVA: PVP Blend Polymer Electrolytes Complexed With NH_4NO_3 And $\text{CH}_3\text{COONH}_4$ **N. Rajeswari**, S. Selvasekarapandian, S. Karthikeyan, J. Kawamura, Y. Iwai, C. Sanjeeviraja, S. Asath Bahadur 4th International Conference on Functional Materials and Devices, 2013 (ICFMD-2013), Centre for Ionics, University of Malaya, Kuala Lumpur, **Malaysia**, April 8-11th, 2013
 14. Proton Ion Conducting Solid Polymer Blend Electrolyte Based On PVA: PVP **N. Rajeswari**, S. Selvasekarapandian, S. Karthikeyan, C. Sanjeeviraja, S. Asath Bahadur 7th International Conference on Materials for *Advanced Technologies*, National University of Singapore, 30 June to 5 July 2013, Suntec, **Singapore**
 15. Electrochemical Characterization of PVA-PVP- LiClO_4 Solid Polymer Blend Electrolyte and its Application in Lithium Polymer Batteries **N. Rajeswari**, S. Selvasekarapandian, J. Kawamura, S.R.S.Prabakaran 7th International Conference on Materials for Advanced Technologies, National University of Singapore, 30 June to 5 July 2013, Suntec, **Singapore**
 16. Laser Raman, XRD, DSC and AC-Impedance Analysis of Polymer Blend Electrolyte based on Eco-Friendly PVA-PVP Blend with NH_4NO_3 **N. Rajeswari**, S. Selvasekarapandian, S. Karthikeyan, J. Kawamura, S. R. S. Prabakaran 13th Asian conference on Solid State Ionics (ACSSI – 2012), 17th to 20th July 2012, Tohoku University, Sendai, **Japan**.
 17. Characterisation Of Proton Conducting Polymer Electrolyte Based On PAN S. Nithya, S. Selvasekarapandian, **N. Rajeswari**, S. Sikkanthar, S. Karthikeyan, C. Sanjeeviraja 13th Asian conference on Solid State Ionics (ACSSI – 2012), 17th to 20th July 2012, Tohoku University, Sendai, **Japan**.
 18. Lithium Ion Polymer Electrolyte Based On PVA-PAN F. Kingslin Mary Genova, S. Selvasekarapandian, **N. Rajeswari**, S. Sivadevi, Karthikeyan, C. Sanjeeviraja 13th Asian conference on Solid State Ionics (ACSSI – 2012), 17th to 20th July 2012, Tohoku University, Sendai, **Japan**.
 19. Proton Conducting Polymer Electrolyte Based On PVA-PAN S. Siva devi, S. Selvasekarapandian, **N. Rajeswari**, F. Kingslin Mary Genova, Karthikeyan, C. Sanjeeviraja 13th Asian conference on Solid State Ionics (ACSSI – 2012), 17th to 20th July 2012, Tohoku University, Sendai, **Japan**.
 20. Lithium ion conducting polymer blend electrolyte based on Poly (Vinyl alcohol) -Poly (Vinyl Pyrrolidone) -Lithium Nitrate **N. Rajeswari**, S. Selvasekarapandian, S. Karthikeyan, M. Prabu, G. Hirankumar, C. Sanjeeviraja Asian conference on Electrochemical Power Sources (ACEPS – 6), 5-8 Jan 2012, IISC & CECRI, Hotel green park, Chennai, Tamilnadu, India (Oral Presentation)
 21. Lithium ion conducting polymer electrolyte based on PVA:PVP: LiClO_4 **N. Rajeswari**, S. Selvasekarapandian, M. Prabu, G. Hiran Kumar, S. Karthikeyan, H. Nithya, C. Sanjeeviraja International Conference on Materials for *Advanced Technologies* (ICMAT 2011), 26th June to 1st July 2011, National University of Singapore, Singapore.
 22. Structural and conductivity studies of polymer electrolyte based on PVA-PVP with LiClO_4 **N. Rajeswari**, S. Selvasekarapandian, M. Prabu, S. Karthikeyan, G. Hirankumar, H. Nithya, C. Sanjeeviraja *International Conference on Advanced Materials and its Applications* (ICAMA-2011), March 4-5, 2011, Kalasalingam University, Tamilnadu, India.

23. Ionic conductivity studies on polyblend (PVA+PVP+NH₄H₂PO₄) Electrolyte **N. Rajeswari**, S. Selvasekarapandian, M. Prabu, G. Hirankumar, C. Sanjeeviraja 12th Asian conference on solid state Ionics and 15th Chinese conference on solid state Ionics, May 2-6, 2010, wuhan university of technology, Wuhan, China.
24. Study On Proton Ion Conducting Polymer Electrolyte Based On PVA: PVP Polymer Blend **N. Rajeswari**, S. Selvasekarapandian, S. Karthikeyan, M. Prabu, C. Sanjeeviraja, *National Seminar on Technologically Important Crystalline and Amorphous Solids (TICAS 2012)*, Feb 1 and 2, 2012, Kalasalingam University, India (Oral presentation)
25. Solid State ¹H NMR study of Proton Ion Conducting Polymer Blend Electrolyte **N. Rajeswari**, S. Selvasekarapandian, J. Kawamura, Iwai, S. Asath Bahadur *National Seminar on Technologically Important Crystalline and Amorphous Solids (TICAS 2013)*, March 1st and 2nd, Kalasalingam university, India
26. **N. Rajeswari**, “National level seminar on Recent Trends in Physics” Organized by Department of Physics, S.F.R college for women, Sivakasi, in association with Kalasalingam University, held on December 29th and 30th, 2010.
27. Participated in Indo-Italian work shop on Molecular Nanophotonics by Anna University, Chennai, July 24-26, 2013
28. Participated in National Level Seminar on Recent Development in Nanomaterial by Mohamed Sathak Engineering College, Kilakarai, April 11, 2013
29. Participated in the National Level Symposium organized by Kamaraj College Engineering and Technology, Virudhunagar, March, 2012
30. Participated in the National Level Symposium on Emerging Concepts and Trends in Bioinorganic Chemistry sponsored by DST, organized by National Engineering College, Kovilpatti, February 24 & 25, 2011
31. Participated in the National Level Seminar on Recent Trends in Bio-inorganic Chemistry sponsored by DST, organized by VHNSN College, Virudhunagar, February 17 & 18, 2011
32. Green synthesis and larvicidal activity of *Pithecellobium Dulce* mediated Silver nanoparticles against *Culex Quinquefasciatus*, **S. Sudharsan**, N. Raman*, V. Veerakumar, N. Pravin, K. Vithiya, DST-DAE-DRDO-UGC-CSIR sponsored *National Conference on Recent Advances in Surface Science (RASS-2013)*, February 14-15, 2013 organized by the Department of Chemistry, Gandhigram Rural Institute- Deemed University, Gandhigram, Tamilnadu.
33. Tweezing out the antitumoral mechanism of peptido nanocomplexes, **S. Sudharsan**, N. Raman and R. Senthilkumar, DST-Nanomission sponsored *International Conference on Nanoscience and Technology (ICONSAT-2012)*, January 20-23, 2012 organized by International Advanced Research Centre for Powder Metallurgy and New Materials, Hyderabad.
34. Organization of DNA splitting inorganic-organic hybrid nanocomplexes for the inhibition of cancer augmentation - An *in vitro* assessment, N. Raman, **S. Sudharsan** and R. Senthilkumar, DST-FIST and UGC-SAP supported *International Conference on Synthetic and Structural Chemistry (ICSSC-2011)*, December 8-10, 2011 organized by Department of Studies in Chemistry, Mangalore University, Mangalore, Karnataka.
35. Inorganic-organic hybrid nanocomplexes - A modern synthetic approach towards their reactivity against DNA, N. Raman, **S. Sudharsan** and K. Pothiraj, UGC sponsored *National Seminar on Emerging Trends in Chemistry (ETC-2011)*, July 28-29, 2011 organized by the Department of Chemistry, VHNSN College, Virudhunagar.
36. Modified Brust-Schiffrin synthesis and optical properties of metal nanocomplexes, N. Raman and **S. Sudharsan**, UGC sponsored *National Conference on Role of Chemists in Advanced Chemistry*, July 25-26, 2011 organized by the Department of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi.

37. Modern synthesis of metal nanocomplexes - A modified Brust-Schiffrin approach, N. Raman and **S. Sudharsan**, UGC-SAP sponsored *National Seminar on Novel Synthetic and Computational Strategies in Chemical Sciences (SCCS-2011)*, March 28-29, 2011 organized by the Department of Chemistry, Annamalai University, Chidambaram.
38. DNA binding and EMSA studies of novel metal nanocomplexes modified with N,N'-(2,2'-(ethane-1,2-diylbis(azanediyl))-bis(2-oxoethane-2,1-diyl)dibenzamide, **S. Sudharsan** and N. Raman, UGC, CSIR and DST sponsored *National Seminar on Nanostructured Materials and Applications (NMSA-2011)*, March 4-5, 2011 organized by the Department of Physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai.
39. Synthesis of metal nanocarriers encumbered with N,N'-(2,2'-(propane-1,3-diylbis(azanediyl))-bis(2-oxoethane-2,1-diyl)dibenzamide-An insight towards their drug delivery approach in targeting fungal and bacterial strains, **S. Sudharsan** and N. Raman, Royal Society of Chemistry (RSC) sponsored *UK-India Medicinal Chemistry Congress (MEDCHEM-2011)*, February 25-26, 2011 organized by National Institute of Pharmaceutical Education and Research (NIPER) and Indian Institute of Chemical Technology (IICT), Hyderabad.
40. Novel metal nanocomplexes composed of N,N'-(2,2'-(ethane-1,2-diylbis(azanediyl))-bis(2-oxoethane-2,1-diyl)dibenzamide for microbial cell targeting delivery, N. Raman and **S. Sudharsan**, DST sponsored *National Level Seminar on Recent Trends in Bio-Inorganic Chemistry (RTBIC-2011)*, February 17-18, 2011 organized by the Department of Chemistry, VHNSN College, Virudhunagar,
41. DNA interaction studies of metal nanocomplexes tailored with N,N'-(1,2-phenylene)-bis hippuricamide - An inspiring forecast towards their biodynamic nanoprobng personality, **S. Sudharsan** and N. Raman, DST-CSIR-DRDO-UGC sponsored *National Seminar on Chemistry of Nanomaterials and Molecular Dynamics (CNMD-2010)*, December 30-31, 2010 organized by School of Chemistry, Annamalai University, Annamalainagar, Tamilnadu.
42. **S. Siva**, Synthesis, characterization and optimization of removal of nickel from aqueous solution conducted by Bishop Heber College, Trichy on 18-01-2012.
43. **S. Siva**, Removal of some selective metals from aqueous solution on phenolic composite resins conducted by PSG College Of Technology" Coimbatore on 26-08-2011.
44. **S. Siva**, Synthesis, characterization and application of ion exchangers conducted by Sriram Engg College, Chennai on 24-03-2011.
45. **S. Siva**, Phenol and Formaldehyde Cationic Resin Blended with Sulphonated Aegle Marmelos Charcoal conducted by VHNSN College, Virudhunagar on 17-02-2011
46. Anish Alfred Vaz.M , A paper on "Escape from Physical Labour as Depicted in the Plantation Tales of African- American Vernacular Literature" in **International Conference on Indian Studies-2013**, Nov. 22-23,2013, Vijayawada
47. Anish Alfred Vaz.M , A paper on ""Escape from Supernatural Elements and Their Implications as Depicted in the African American Vernacular Folktales " in **International Conference on Indian Studies- 2013**, Nov. 22-23,2013, Vijayawada

* Monographs

Nil

Chapter(s) in Books (Mathematics)

S.No	Name of the Author	Name of the Co-authors	Title of the Book	Name of the Publication	Year of Publication	Books with ISBN Numbr
1	V. Ramamoorthi	Dr. P. Selvagopal, S. Mookan , H.B. Thiagarajan	Enigneering Mathematics – II	Virutcham Publication	2009	978-93-80314-02-0

* **Editing Books**

N. Rajeswari, International Conference On Advanced Materials And Its Application Abstract Book-(ICAMA-2011), **ISBN CORP-000187**

Dr. S.Johnson Raja, Proceedings of the Second National conference on “Pyro Tech - 2013” organized by Petroleum and Explosives Safety Organization (PESO), Ministry of Explosives, Government of India at Sivakasi, Tamil Nadu on 22.11.2013 & 23.11.2013

* Books with ISBN numbers with details of publishers

Nil

* **number listed in International Database** (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

S.No	Name of the faculty	Listed in International Database
1	Dr. R.Srinivasan	Scopus
		Google Scholar
2	Dr. S.Johnson Raja	Scopus
		Google Scholar
3	N. Rajeswari	Scopus
		Google Scholar
4	Dr. S.Sudharsan	Scopus
		Google Scholar

* Citation Index – range / average

* SNIP

* SJR

* Impact factor – range / average

S.No	Name of the faculty	Author ID listed in Scopus Database	Citation	SNIP	Impact factor – range / average	h-index
1	Dr. R. Srinivasan	-	151	-	0.517-4.572	8
2.	Dr. S.Johnson Raja		201		0.332-1.977	7
3.	Dr. S.Sudharsan		35		0.554-3.308	4
4	Dr. N. Jeyabalan	-	-	-	0.344-0.8	-
5	V.Ramachandran	-	-	-	1.76	-
6	N. Rajeswari	-	13	-	0.33-1.674	2
7	S.Siva	-	-	-	0.3317-1.762	-

15. Details of patents and income generated

Nil

16. Areas of consultancy and income generated

Nil

17. Faculty recharging strategies

- Organizing Faculty Development Programs, Workshops, Seminars and Conferences

S.No	Title of the programme	Staff Name	Nature of the Programme	Date
1	“Special Orientation programme for Mathematics faculty members Bridge Course – I ” held at Anna University, Tirunelveli	Mr.D.Sriram Mr.P.Arunachalam	Faculty Development Programs	5/6/13 & 6/6/13
2	“Empowering Mathematics skills for Engineering mathematics” held at Anna University, Chennai .	Mr.C.Kesavan Dr.N.Jeyabalan	Faculty Development Programs	26/07/2013
3.	“Bridge Course-English” Organized by Anna University, Chennai held at Thiagaraja College of Engineering, Madurai .	Mr. M. Saravanan Mr. M.Anish Alfred Vaz	Faculty Development Programs	29/07/2013 & 30/07/2013
4.	Workshop on “High Impact Teaching Skills” held at P.S.R. Engineering College, Sivakasi.	Mr.D.Sriram Mr. P. Gopalakrishnan	Faculty Development Programs “Mission 10X”	23/04/2012 - 27/04/2012
5.	“Faculty Empowerment Program” held at P.S.R. Engineering College, Sivakasi.	Mr.V.Ramachandran Mr.P.Arunachalam Ms.K. Porkodi Mr.S.Siva	Faculty Development Programs	10/06/2013 - 15/06/2013

- Motivate the faculty to attend Faculty Development Programs and Workshops

S.No	Title of the programme	Staff Name	Nature of the Programme	Date
1	“ One day workshop on animation ” held at Kalasalingam University, Krishnanakoil	R. Srinivasan	Workshop	16/03/2012
2	“ Indo-Italian Workshop on Molecular Nanophotonics ” held at Anna University, Chennai,	R. Srinivasan	Workshop	24/07/2013- 26/07/2013

3.	“Cambridge English Teachers Support Workshop” held at Vickram College of Engg. Madurai	Mr. M. Saravanan Mr. P. Maharajan Nellaipaypan	Workshop	13/12/2013 & 14/12/2013

- Motivate the faculty to present Paper in Conferences

S.No	Name of the Faculty	Number of papers	
		Published in Journals	Presented in conference
1.	Dr. N. Jeyabalan	6	3
2.	V. Ramachandran	3	4
3.	Dr.M.Kavitha	-	2
4.	Dr. R. Srinivasan	11	3
5.	N. Rajeswari	8	14
6.	Dr .S.Johnson Raja	3	5
7.	Dr.S.Sudharsan	13	10
8.	S.Siva	6	4
9.	M. Anish Alfred Vaz	3	2

- Organizing guest lectures

Nil

- Organizing counseling programmes

S.No	Title of the programme	Date
1	Motivation Program	04/11/2013 – 07/11/2013
2	Bridge course	05/08/2013 – 13/08/2013

18. Student projects

- percentage of students who have done in-house projects including inter-departmental
- percentage of students doing projects in collaboration with industries / institutes

Not Applicable

19. Awards / recognitions received at the national and international level by

- Faculty:

S.No	Name of the faculty	Awards / recognitions	National / International
1	Dr .S.Johnson Raja	Recognized Research Supervisor – Anna University, Chennai Bharathair University	State

		Manonmaiam sundaranar University	
2	Dr. R. Srinivasan	Recognized Research Supervisor – Anna University, Chennai DST Fasttrack Young Scientist Award 2013	State
3	Dr.S.Sudharsan	Recognized Research Supervisor – Anna University, Chennai Bharathair University	State

- Doctoral / post doctoral fellows : 1

- Students Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S.No	Title of the programme	Source of Funding	Nature of programme	Date	No. of participants	outstanding participants
1.	Inspire Internship Science Camp	DST	Science Camp	October 7-11, 2013	172	---

21. Student profile course-wise: Not Applicable

22. Diversity of students Not Applicable

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Not Applicable

24. Student progression

Not Applicable

25.. Diversity of staff

Percentage of faculty who are graduates			
	UG	PG	Ph.D
of the same parent university	-	-	-
from other universities within the State	100%	100%	100%
from other universities from other States	-	-	-

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Year	Number of Faculty awarded Ph.D / D.Sc., D.Litt
2009-10	-
2010-11	-
2011-12	-
2012-13	-
2013-14	1

27. Present details about infrastructural facilities

a) Library (Department)

- Daily News Paper: 01
- Number of Books in central library: 4696

Mathematics

- Number of Titles: 15
- Number of Books: 350

Physics

- Number of Titles: 12
- Number of Books: 270

Chemistry

- Number of Titles: 10
- Number of Books: 280

Humanities

- Number of Titles: 6
- Number of Books: 147

b) Internet facilities for staff and students

- For staff: Computers are provided in faculty rooms. LAN and WIFI facilities are available in all faculty rooms.
- For Students: Internet facilities are provided in CAD laboratory in the department. A common computer center is also providing internet facility. WIFI facility is also provided to all the students.

a) Students' laboratories: 02

b) Research laboratories: 1 (Materials research Center)

28. Number of students of the department getting financial assistance from College.

Not Applicable

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Not Applicable

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- Yes. The opinions / suggestions are obtained from the faculty members based on their specialization and expertise.

- b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
- Yes. Every semester feedbacks are collected from the students for each and every faculty member. Based on their evaluation appreciation / counseling is given to the respective members to improve their performance.
- c. alumni and employers on the programmes and what is the response of the department to the same?

Not Applicable

31. List the distinguished alumni of the department (maximum 10)

Not Applicable

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

S.No	Title of the programme	Date
1	Celebration of Mathematical Year	07/04/2012
2	Basic Science Association	18/02/2012
3.	Basic Science Association	15/12/2012
4.	Parents – Teacher Association Meeting	10/03/2012
5.	Parents – Teacher Association Meeting	09/11/2013

33. List the teaching methods adopted by the faculty for different programmes.

- Lecture by Chalk and Talk
- Lecture with a quiz / questions
- Tutorial
- Demonstration (Such as model, laboratory, field visit)
- Group Discussion
- Group Assignment/ Project
- Presentations
- Through Learn on line - **Moodle** is in use to perform various activities like group assignments / group projects and to share the materials.
- e-content through national and international portals such as:
 - **NPTEL** <http://nptel.iitm.ac.in>
 - **MIT Open Courseware** <http://ocw.mit.edu/index.htm>

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Bi-weekly test for all the theory courses is conducted by the department.
- Internal Assessment Tests (3 Nos. / Semester) are conducted by the examination cell.
- The performance is analyzed in the class committee meeting. The class committee is constituted by the regulations of the Anna University. The class committee is having the following members:
 - A senior faculty member as chair person,
 - Student members (selective students from top, middle and bottom level),
 - Subjects handling staff,
 - Class advisors
- The difficulties faced by the student and staff are discussed in the class committee and the same is forwarded to Head of the Department and Principal for necessary action.

35. Highlight the participation of students and faculty in extension activities.

- Faculty:
 - Present technical papers in international/national conferences / seminars
List given in Question No: 14
 - Publish technical papers in reputed journals
List given in Question No: 14
 - Taking responsibilities on administrative activities

S.No	Name of the Faculty	Administrative Responsibilities
	Mr.N.Udhayasoorian	• Head of the department • N.S.S. Program Officer
	Mr.V.Ramamoorthi	• Internal Exam cell incharge
	Mr.D.Sriram Mr.V.Ramachandran Mr.P.Arunachalam	• Member – Internal Exam Cell
	Dr. S.Johnson Raja Mr.P.Gopalakrishnan	• Member – University Exam Cell
	Dr. R. Srinivasan Dr.S.Sudharsan	• Member – Research and Development Cell
	Dr.S.Essakimuthu	• PTA Coordinator
	Mr.S.Siva	• ISTE MEMBER
	Mr. P.Maharajan Nellaiyappan	• Member-College Magazine/News Letter Committee
	Mr. M.Saravanan	• Member- College Magazine/News Letter Committee
	Mr.M.Anish Alfred Vaz	• Member – Press & Publicity Committee

36. Give details of “beyond syllabus scholarly activities” of the department.

- BEC Course
- Orientation Program
- Bridge course

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Not Applicable

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

- Strength:
 - Excellent infrastructure
 - Adequate laboratory and library facilities
 - Qualified Faculty Members
 - Motivate to do research
 - Value added programmes for Staff
- Weakness:
 - Research centre recognition
 - Consultancy services to pick up
 - Patents
 - Less number of Ph.D faculty
 - Average level of communication skills
- Opportunities:
 - Supportive management
 - Modernization in teaching learning process
 - Soft skill training / Placement training programmes
 - Continuous improvement process for developing students knowledge
 - Prospective students
 - Excellent educational atmosphere
- Challenges:
 - Institute Industry interaction
 - Train the Students with latest technological background
 - More number of students from rural area
 - Internship
 - Funded projects

39. Future plans of the department.

- Recognized Research centre of Anna University, Chennai
- To organize international conference
- Plan to publish department magazine for every 3 months
- Modernization of Laboratories to enhance the consultancy
- Funded projects

Department of Management Studies

1. Name of the Department & its year of establishment

Name of the department : **Department of Management Studies**
 Year of establishment : **2006**

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Names of Programmes / Courses offered	Description
Master of Business Administration	Started with 60 intake in the year 2006

3. Interdisciplinary courses and departments involved

S.No	Name of the course	Name of the Department	Semester
1	Statistics for Management	MBA	I
2	Applied Operations Research for Management	MBA	II
3	Management Information System	MBA	II
4	Business Application Software	MBA	II

4. Annual/ semester/choice based credit system

Semester based credit system

5. Participation of the department in the courses offered by other departments

S.No	Name of the course	Name of the department	Semester
1	Engineering Economics and Financial Accounting	CSE	VII
2	Engineering Economics and Financial Accounting	IT	V
3	Principles of Management	EEE	VII
4	Total Quality Management	BT	VII
5	Total Quality Management	Mech.	VII
6	Principles of Management	ECE	VI
7	Principles of Management	Mech.	VI
8	Professional Ethics in Engineering	CSE	VIII
9	Resource Management Techniques	MCA	IV

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst.

Professors)

	Sanctioned	Filled
Professor	1	1
Associate Professors	1	1
Asst. Professors	8	8

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Mr. R. Rengarajan	M.Tech., M.B.A., M.Sc., PGDPM&IR	Associate Professor	Quality Assurance Technology, Marketing, Operation Research	16	
Dr.K. Rajamannar	M.Com., M.B.A., M.Phil., Ph.D.	Professor	Accounting, Finance, Commerce, Commerce	10	
Mr. R. Thirumalai Kumar	B.E., M.B.A	Assistant Professor	Electronics & Communication Engineering, Marketing & Human Resource	5	
Ms. V.M. Sangeetha	B.Tech., M.B.A	Assistant Professor	Information Technology, Marketing & Human Resource	5	
Mr. R. Kasi Raman	B.E., M.B.A	Assistant Professor	Computer Science & Engineering, Brand & Customer Relation Management	3	
Ms. J. Hema	M.Com., M.Phil.,	Assistant Professor	Commerce & Accountancy, Insurance	3	
Ms. S.P.Subhashini	B.Tech., M.B.A	Assistant Professor	Information Technology, Marketing & Finance Management	3	
Mr. G. Ravindran	B.E., M.B.A	Assistant	Computer Science	2	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
		Professor	& Engineering , Finance and Systems		
Ms. S. Umamaheswari	B.E., M.B.A	Assistant Professor	Computer Science & Engineering , Human Resource & Marketing	8 months	
Mr. K.Karthikeyan	B.E., M.B.A	Assistant Professor	Computer Science & Engineering , Human Resource & Marketing	8 months	

8. Percentage of classes taken by temporary faculty – programme-wise information

Nil

9. Programme-wise Student Teacher Ratio

S.No.	Programme	Student Teacher Ratio
1	Master of Business Administration	12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Academic Support Staff	01	01

S.No.	Name of the Support Staff	Qualification	Designation	Laboratory	No. of Years of Experience
1	Mr. N. Manikandan	DECE	Lab. Technician	Computer	01

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

Nil

13. Research facility / centre with

- state recognition
- national recognition
- international recognition

Nil

14. Publications:

Number of papers published in peer reviewed journals (national / international)

1. Mr. R. Rengarajan (2011) "Future Perspectives for Renewable Energy" published in the book "Indian Industry : Fostering Economic Development by Management wing, DDE and Department of Business Administration, Annamalai University. ISBN No. : 81-86771-70-0, pp. 130-132.
2. Dr. R. Nirmala and Mr. R. Rengarajan (2011) "Wind Energy – A Futuristic Need" published in the book "Innovative Strategy for Technological Developments and Designing New Business Model in Renewable Energy Sector by Department of Physics, V.H.N. Senthikumara Nadar College, Virudhunagar. ISBN No. : 978-81-910426-6-5.
3. Mr. R. Rengarajan, and Dr. R. Nirmala (2005) "The Quest for Excellence through TQM by implementing ISO 9000 in Educational Institutions" published in the book Learning Centered Education by All India association for Educational Research and St. Ignatius' College of Education, Tirunelveli.
4. Mr. R. Rengarajan and Mrs R. Nirmala (2003) "Impact of Globalisation on Development and its Dynamics" published in the book "Development of Third World Countries under the WTO Regime" by Serial Publications, New Delhi. ISBN No. : 81-86771-70-0, pp. 82-88.
5. Dr. S.K.Rajamannar and Mr. Mohanasundaram, (2007) "SWOT analysis in Indian Higher education system", Economic political weekly, October 2007.
6. Dr. A. Subbiah and Mr. S.K.Rajamannar, (2007) "A study on comparative analysis in banks under the ESI scheme", Insurance Times, September 2007.
7. Dr. A. Subbiah and Mr. S.K.Rajamannar, (2005) "A development of social security in India", Rural India, January 2005.
8. Dr. P. Sundarapandian and Mr. S.K.Rajamannar, (2000) "Benefits under the ESI scheme", Insurance time, September 2000.

Number of papers presented in conferences (national / international)

1. Mr. R. Rengarajan (2011) “Future Perspectives for Renewable Energy” in National Symposium on Indian Industry : Fostering Economic Development organised by Management wing, DDE and Department of Business Administration, Annamalai University at Chennai during 24.03.2011 to 25.03.2011.
2. Mr. R. Rengarajan (2011) “Wind Energy – A Futuristic Need” in MNRE, Government of India sponsored National level Seminar on Innovative Strategy for Technological Developments and Designing New Business Model in Renewable Energy Sector organized by Department of Physics, V.H.N. Senthikumara Nadar College, Virudhunagar on 03.03.2011.
3. Mr. R. Rengarajan (2008 “Setting Customer Expectations in Service Delivery: An Integrated Marketing Operations Perspective” in National Conference on Changing role of Service Sector – A Global Perspective organized by the Department of Management Studies, Kalasalingam University, Krishnankoil on 08.03.2008.
4. Mr. R. Rengarajan (2006) “E-Commerce – Getting Business on the Web” in State Level Seminar on Managing in the Digital Era organized by Department of Business Administration and Commerce, G. Venkataswamy Naidu College, Kovilpatti on 28.09.2006
5. Mr. R. Rengarajan (2005) “Non-Conventional Energy and Protection of Environment” in UGC National Level Seminar on Interaction of Energy and Environment – A Futuristic Outlook organized by Post Graduate Department of Economics, Pope’s College, Sawyerpuram during 09.09.2005 to 10.09.2005.
6. Mr. R. Rengarajan (2005) “Renewable Energy – Way to Protect Environment” in National Seminar on Environment Challenges in India organized by School of Economics, Madurai Kamaraj University, Madurai during 17.02.2005 to 18.02.2005.
7. Mr. R. Rengarajan (2005) “The Quest for Excellence through TQM by implementing ISO 9000 in Educational Institutions” in International Conference on Learning Centered Education organized by All India association for Educational Research and St. Ignatius’ College of Education, Tirunelveli during 27.01.2005 to 29.01.2005.
8. Mr. R. Rengarajan (2004) “Emergence of Information Technology in Modern Libraries” in National Conference on Library Resource Management in Digital Era organized by Bishop Heber College, Tiruchirappalli. During 14.02.2004 to 15.02.2004.

9. Mr. R. Rengarajan (2003) “The Impact of Information Technology and Globalisation on Women’s Work” in International Conference on Women in the Digital Era : Opportunities & Challenges, jointly organised by Software Technology Park of India, Chennai and Annamalai University, Chidambaram. During 10.12.2003 to 12.12.2003.
10. Mr. R. Rengarajan (2003) “Impact of Globalisation on Development and its Dynamics” in International Commerce Congress 2003, jointly organized by Commerce Association of Kerala and St. Stephens College, Uzhavoor, Kerala, during 09.06.2003 to 11.06. 2003.
11. Dr.K. Rajamannar (2011) “Internet Marketing – A Solution for Value Based Marketing” at Ayya Nadar Janaki Ammal College on 23.06.2011.
12. Dr.K. Rajamannar (2009) “ICT in Education ” at V.O.C. College of Education, Thoothukudi on 21.12.2009.
13. Dr.K. Rajamannar, Prof. (2006) “Value Based Society” at Annamalai University, Annamalai Nagar on 13.10.2006
14. Dr.K. Rajamannar (2006) “SWOT Analysis in Indian Higher Education” at P.S.G. College of Technology, Coimbatore on 24.12.2006.
15. Dr.K. Rajamannar (2006) “E-learning in Education” at C.P.A. College on 23.02.2006.
16. Dr.K. Rajamannar (2006) “Medical Benefits under ESI scheme in India” at R.M. Medical College, Annamalai University on 31.01.2006.
17. Dr.K. Rajamannar (2005) “The Benefits provided by ESI at the regional, National & District level – A comparative analysis” at Adaikalamatha Institute of Management Studies on 30.09.2005.
18. Dr.K. Rajamannar (2005) “Deposits and Advances of Scheduled Commercial Banks in India” at V.V.V. College for Women on 02.09.2005.
19. Dr.K. Rajamannar (2005) “Development of Social Security in India” at P.R. Institute of Management Studies on 25.02.2005.
20. Mr. R. Kasi Raman (2013) “Challenges and Opportunities in Global business Scenario – Retail Marketing” in National Conference ‘KEYNOTE’ held on 7 – 8.02.2013 at Care school of Business Management, Trichy.
21. Mr. R. Kasi Raman (2013) “Challenges and Opportunities – Human Resource Management in Global Scenario” in National Conference ‘KEYNOTE’ held on 7 – 8.02.2013 at Care school of Business Management, Trichy.

22. Mr. R. Kasi Raman (2012)“Opportunities and Challenges in Present Global Business scenario related to Marketing Management” in National Conference held on 27.12.2012 at Adhiparasakthi Engineering College, Melmaruvathur.
 23. Mr. R. Kasi Raman (2012) “Concept of Branding in Retail Management” in International Conference on Contemporary Management (INFOCOM’12) held on 19.10. 2012 at N.P.R College of Engineering and Technology, Natham.
 24. Mr. R. Kasi Raman (2012) “Consumer Attitude towards Organic Food Products” in AICTE sponsored National Conference on ‘Resource Management’ held on 25.02.2012 at Velammal College of Engineering & Technology, Madurai.
 25. Mr. R. Kasi Raman (2011) “Challenges of Indian Business in Global Economy” in International Conference held on 23.09.2011 at Annai Mathammal Sheela Engineering College, Erumapatty - Namakkal.
 26. Mr. R. Kasi Raman (2011) “Internet Marketing – A Solution for Value Based Marketing” in UGC sponsored National Conference on ‘Value Based Management’ held on 22.06.2011 at Ayya Nadar Janaki Ammal College, Sivakasi.
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* Monographs	Nil
* Chapter(s) in Books	Nil
* Editing Books	Nil
* Books with ISBN numbers with details of publishers	Nil
* Number listed in International Database (For <i>e.g.</i> Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	Nil
* Citation Index – range / average	
* SNIP	
* SJR	
* Impact factor – range / average	
-
15. Details of patents and income generated	Nil
16. Areas of consultancy and income generated	Nil

17. Faculty recharging strategies

- Organizing Faculty Development Programs, Workshops, Seminars and Conferences

S.No.	Title of the programme	Nature of the Programme	Date
1	Catalyst – A Unique One Day Faculty Development Programme to Inspire Learning	FDP	01.12.2012
2	19 th Regional Conclave on Enhancing Occupational Safety and Health: Effective Implementation of Safety, Health & Environment [SHE] Culture in Fireworks Industries	Conclave	08.12.2012
3	Career Guidance & Personality Development	Workshop	10 th & 11.10.2008
4	Application of SPSS in research	Workshop	09.05.2007
5	Team Building	Workshop	08.12.2011
6	Financial Planning for young Investors	Workshop	03.11.2012
7	Employability Skills	Workshop	16.04.2012
8	Strategic Marketing	Workshop	21.09.2012
9	Presentation Skills	Workshop	30.11.2012
10	Competency Mapping	Workshop	13.03.2012
11	Higher Education & Entrepreneurship	Seminar	18.03.2013
12	Role of District Industries Centre in the development of Micro, Small and Medium Enterprises	Seminar	08.02.2012
13	Power of Execution	Seminar	27.12.2011
14	Leadership Traits	Seminar	23.09.2011
15	Recent Trends in Stock Market	Seminar	18.09.2010
16	Expression Management	Seminar	12.09.2009
17	Recent Trends in Indian Capital Market	Seminar	23.10.2008
18	Role of Strategies on Functional areas of Business	Seminar	14.11.2007
19	Interpersonal Relationship	Seminar	04.04.2007

- Motivate the faculty to attend Faculty Development Programs and Workshops

Faculty Development Programs:

S.No.	Name of the Faculty	Title of the programme	No. of days
1	Mr. R. Rengarajan	UGC - Orientation Course	28
2	Mr. R. Rengarajan	Instructional Design and Delivery Systems	03
3	Mr. R. Rengarajan	Professional Ethics	06
4	Dr.K. Rajamannar	Management Education & Case method as a Pedagogy	01
5	Dr.K. Rajamannar	Emerging Trends in HRM	01
6	Mr. R. Thirumalai Kumar	Teachers' Empowerment Program	01
7	Mr. R. Thirumalai Kumar	Teaching Learning Process	01
8	Ms. V.M. Sangeetha	Teaching Learning Process	01
9	Mr. R. Kasi Raman	Teaching Skills & Quality Education	02
10	Mr. R. Kasi Raman	Teachers' Empowerment Program	01
11	Ms. S.P. Subhashini	Instructional Design and Delivery Systems	05
12	Ms. S.Umamaheswari	Mission 10X	05
13	Mr. K.Karthikeyan	Mission 10X	05

Workshop:

S.No.	Name of the Faculty	Title of the programme	No. of days
1	Mr. R. Rengarajan	Operations Research for Development	04
2	Mr. R. Rengarajan	Statistics and Information Technology	01
3	Mr. R. Rengarajan	Research Methods in Business	07
4	Mr. R. Rengarajan	Methods of Industrial Statistics	01
5	Mr. R. Rengarajan	Application of SPSS in Research	02
6	Mr. R. Rengarajan	Accreditation awareness programme	01
7	Mr. R. Rengarajan	Effective learning and Teaching practices in Economics	01
8	Mr. R. Rengarajan	Trends in Operations Research and Applications	01
9	Mr. R. Rengarajan	Empowering growth of Small and Medium Enterprises	01
10	Mr. R. Rengarajan	Entrepreneurship – The Road Less Travelled	02
11	Mr. R. Rengarajan	Re-inventing India	01

12	Mr. R. Rengarajan	Establishment of Entrepreneurship Development Cell in Higher Education Institutions in Tamilnadu	01
13	Mr. R. Rengarajan	Enhancing Occupational Safety and Health: Effective Implementation of Safety, Health & Environment [SHE] Culture in Fireworks Industries”	01
14	Dr. S.K. Rajamannar	Enhancing Occupational Safety and Health: Effective Implementation of Safety, Health & Environment [SHE] Culture in Fireworks Industries”	01
15	Ms. V.M. Sangeetha	Business Research Methods in SPSS	02
16	Ms. V.M. Sangeetha	Empowering growth of Small and Medium Enterprises	01
17	Ms. V.M. Sangeetha	Communication Skills	02
18	Ms. V.M. Sangeetha	Enhancing Occupational Safety and Health: Effective Implementation of Safety, Health & Environment [SHE] Culture in Fireworks Industries	01
19	Mr. R. Kasi Raman	Teaching Skills and Quality Education	01
20	Mr. R. Kasi Raman	Enhancing Occupational Safety and Health: Effective Implementation of Safety, Health & Environment [SHE] Culture in Fireworks Industries”	01
21	Mr. R. Kasi Raman	Teachers Empowerment Programme	01
22	Ms. J. Hema	Communication Skills	02
24	Ms. J. Hema	Enhancing Occupational Safety and Health: Effective Implementation of Safety, Health & Environment [SHE] Culture in Fireworks Industries	01
25	Ms. J. Hema	Entrepreneurship – The Road Less Travelled	02
26	Ms. S.P. Subhashini	Enhancing Occupational Safety and Health: Effective Implementation of Safety, Health & Environment [SHE] Culture in Fireworks Industries	01

- Motivate the faculty to present Paper in Conferences

S.No.	Name of the Faculty	Number of papers	
		Published in Journals	Presented in conference
1	Mr. R. Rengarajan	04	10
2	Dr. K.Rajamannar	01	09

3	Mr. R.Kasi Raman		07

- Organizing guest lectures

S.No.	Title of the programme	Date
1	Power of Execution	27.12.2011
2	Leadership Traits	23.09.2011
3	Recent Trends in Stock Market	18.09.2010
4	Expression Management	12.09.2009
5	Recent Trends in Indian Capital Market	23.10.2008
6	Role of Strategies on Functional areas of Business	14.11.2007
7	Interpersonal Relationship	04.04.2007
8	Higher Education & Entrepreneurship	18.03.2013
9	Role of District Industries Centre in the development of Micro, Small and Medium Enterprises	08.02.2012

- Organizing counseling programmes

S.No.	Title of the programme	Date
1	Life skills training programme	28.09.2013
2		

18. Student projects

- percentage of students who have done in-house projects including inter-departmental
- percentage of students doing projects in collaboration with industries / institutes

S.No.	Academic Year	percentage of in-house projects	percentage of industrial projects
1	2013-14	-	100%
2	2012-13	-	100%
3	2011-12	-	100%
4	2010-11	-	100%

19. Awards / recognitions received at the national and international level by

- Faculty: Nil
- Doctoral / post doctoral fellows : Nil

- Students Nil

- University Rank Holders:

S.No.	Name of the Student	Batch	University Rank
1	Ms. C. Divya	2007-2009	08
2	Ms. L. Sutha	2010-2012	06
3	Ms. K. Poornima	2010-2012	14
4	Ms. G. Kavimani	2010-2012	17
5	Ms. S. Mangayarkarasi	2011-2013	13

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S.No.	Title of the programme	Source of Funding	Nature of programme	Date	No. of participants	outstanding participants
1.	Power of Execution	MMA, Chennai	Seminar	27.12.2011	60	
2.	Leadership Traits	MMA, Chennai	Seminar	23.09.2011	110	
3.	Recent Trends in Stock Market	Department Association	Seminar	18.09.2010	112	
4.	Expression Management	Department Association	Seminar	12.09.2009	114	
5.	Recent Trends in Indian Capital Market	Department Association	Seminar	23.10.2008	113	
6.	Role of Strategies on Functional areas of Business	Department Association	Seminar	14.11.2007	105	
7.	Interpersonal Relationship	Department Association	Seminar	04.04.2007	42	
8.	Career Guidance & Personality Development	Shiva's Foundation, Chennai	Workshop	10 th & 11.10.2008	52	
9.	Application of SPSS in research	PSG College of Technology, Coimbatore	Workshop	09.05.2007	42	
10.	Team Building	MMA, Chennai	Workshop	08.12.2011	75	
11.	Pricing a New product	Department Association	Workshop	13.02.2011	54	
12.	Recent Trends in Human Resource	Department Association	Workshop	21.08.2010	58	

13.	Quantitative skills & Logical Reasoning	Department Association	Workshop	21.08.2010	58	
14.	Group Discussion Technique	Department Association	Workshop	05.04.2008	57	
15.	Introducing Oneself	Department Association	Workshop	22.03.2008	57	
16.	Prep Talking	Department Association	Workshop	15.03.2008	57	
17.	Personality Development	Department Association	Workshop	01.03.2008	57	
18.	Importance of Placement and Expectations of MNC in Indian Executives	Department Association	Workshop	23.02.2008	57	
19.	New Product Launch 2012	Department Association	Workshop	28.04.2012	52	
20.	Financial Planning for young Investors	Securities and Exchange Board of India (SEBI)	Workshop	03.11.2012	57	
21.	IMPRESA'13 – Trade Bazaar	Department Association	Workshop	15.03.2012	52	
22.	Higher Education & Entrepreneurship	Department Association	Seminar	18.03.2013	92	
23.	Role of District Industries Centre in the development of Micro, Small and Medium Enterprises	Department Association	Seminar	08.02.2012	110	
24.	Employability Skills	MMA, Chennai	Workshop	16.04.2012	58	
25.	Strategic Marketing	MMA, Chennai	Workshop	21.09.2012	54	
26.	Presentation Skills	MMA, Chennai	Workshop	30.11.2012	54	
27.	Catalyst – A Unique One Day Faculty Development Programme to Inspire Learning	MMA, Chennai	FDP	01.12.2012	29	
28.	Competency Mapping	MMA, Chennai	Workshop	13.03.2012	52	
29.	19 th Regional	MMA,	Conclave	08.12.2012	160	

	Conclave on Enhancing Occupational Safety and Health: Effective Implementation of Safety, Health & Environment [SHE] Culture in Fireworks Industries	Chennai and RLI, Chennai				

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Academic year	Selected		Pass percentage	
			Male	Female	Male	Female
Master of Business Administration	-	2012-2013	31	26	61.3% (19/31)	80.77% (21/26)
		2011-2012	24	26	50% (12/24)	69.23% (18/26)
		2010-2011	27	31	48.15% (13/27)	70.97% (22/31)
		2009-2010	33	23	63.64% (21/33)	82.61% (19/23)

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
Master of Business Administration	Not Applicable	100% (86/86)	Nil	--

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S.No	Competitive Examinations	No. of students cleared
1	The Syndicate Bank	1
2	Life Insurance Corporation of India	2

24. Student progression

Student progression	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG				Not Applicable
PG to M.Phil.	2	2	1	
PG to Ph.D.				
Ph.D. to Post-Doctoral				Not Applicable
Employed				
• Campus selection	-	31.48% (17/54)	-	5.77% (3/52)
• Other than campus recruitment	1.69% (1/59)	-	-	23.07% (12/52)
Entrepreneurs	1		1	

25. Diversity of staff

Percentage of faculty who are graduates			
	UG	PG	Ph.D
of the same parent university	70% (7/10)	60% (6/10)	
from other universities within the State	30% (3/10)	40% (4/10)	10% (1/10)
from other universities from other States	70% (7/10)	60% (6/10)	

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Nil

27. Present details about infrastructural facilities

a) Library (Department)

- Area: 12.2 m x 4.88 m
- Number of Titles: 34
- Number of Books: 58
- Daily News Paper: 01
- VCD & DVD:

b) Internet facilities for staff and students

- For staff: Computers are provided in faculty rooms. LAN and WIFI facilities are available in all faculty rooms.
- For Students: Internet facilities are provided in laboratory in the department. A common computer center is also providing internet facility. WIFI facility is also provided to all the students.

c) Total number of class rooms: 02

d) Class rooms with ICT facility: 01 (Seminar Hall)

e) Students' laboratories: 01

f) Research laboratories: Nil

g) Tutorial Hall: 02

28. Number of students of the department getting financial assistance from College.

The management is generous enough to offer free education to few students based on their outstanding performance and also their economic status.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- Demand of the programme is taken as base
- Feedbacks from Senior Faculty Members of the Department, Academic Experts, Industrial Experts and Alumni Members.
- Suggestions from Board of management

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- Yes. The opinions / suggestions are obtained from the faculty members based on their specialization and expertise.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- Yes. Every semester feedbacks are collected from the students for each and every faculty member. Based on their evaluation appreciation / counseling is given to the respective members to improve their performance.

c. alumni and employers on the programmes and what is the response of the department to the same?

- Yes. The opinions / suggestions are obtained from the alumni and employers to improve the curriculum. They are one among the members of Board of studies.

31. List the distinguished alumni of the department (maximum 10)

S.No.	Name of the Alumni	Batch	Organization	Position
1	Mr. R. Thirumalaikumar	2006-2008	Department of Management Studies, P.S.R. Engineering College, Sivakasi	Assistant Professor
2	Ms. B. Barani Veeralakshmi	2006-2008	T.V. Sundram Iyengar and Sons Limited, Chennai.	Officer – Human Resource
3	Mr. Arun Kumar	2006-2008	Vetrivel Fire works, Sivakasi	Director
4	Mr. R. Jeyakumar	2008-2010	Good Life Builders, Chennai	Marketing Manager
5	Mr. K. Suresh Kumer	2008-2010	P dot G Constructions, Chennai	Assistant Manager - Sales
6	Mr. S. Anand	2008-2010	ATA Global Shipping Solutions, UAE	Travel Supervisor
7	Ms. S. Yasmin	2009-2011	V.V. Group of Companies, Thisayanvalai	Executive Assistant to MD
8	Mr. V.V. Ram Sudharson	2009-2011	Usui Suaira International Pvt. Ltd., Chennai	Junior Executive - Human Resource
9	Ms. K. Poornima	2010-2012	Ramco Systems, Chennai	Business Analyst – Human Capital Management Consultant
10	Ms. L. Sutha	2010-2012	The Syndicate Bank, Neyveli	Clerk
11	Mr. V. Sankarnarayanan	2010-2012	City Union Bank, Chittoor, Andra Pradesh	Clerk
12	Mr. B. Vignesh	2010-2012	Rupbilux Paints, Chennai	Marketing Manager
13	Mr. S.P. Naveenkumar	2011-2013	Helios and Matheson IT Ltd., Chennai	Human Resource - Recruiter

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

S.No.	Title of the programme	Guest	Date
Paper presentation & Technical competitions			
1.	MINDS 08	Mr. J.D. Titus Babu, Regional Sales Manager, India Cements Ltd., Madurai	13.03.2008
Workshop			
2.	Financial Planning for young Investors	Prof. N. Shunmugarajan, SEBI certified trainer	03.11.2012
3.	Presentation Skills	Ms. S.N. Padmaja, Behavioral Training Consultant, Victory Insights, Chennai	30.11.2012
4.	Strategic Marketing	Mr.M. Vijay Balaji, Director, HR-Flex, Chennai	21.09.2012
5.	Strategic Marketing	Mr.M. Vijay Balaji, Director, HR-Flex, Chennai	21.09.2012
6.	Employability Skills	Mr.Yogesh Chordia, Network Partner, Pragati Leadership, Chennai	16.04.2012
7.	Strategic Marketing	Mr.M. Vijay Balaji, Director, HR-Flex, Chennai	21.09.2012
8.	Competency Mapping	Mr. K.C. Ragesh, Principal Consultant, Hale Human Capital, Chennai	13.03.2012
9.	Team Building	Ms. S.N. Padmaja, Behavioral Training Consultant, Victory Insights, Chennai	08.12.2011
10.	Application of SPSS in research	Dr. K. Arul Rajan, PSG College of Technology, Coimbatore	09.05.2007
11.	Career Guidance & Personality Development	Dr. N. Siva Kumar, Shiva's Foundation, Chennai	10 th & 11.10.2008
Guest Lecture			
12.	Higher Education & Entrepreneurship	Dr. R. Jayaraman, Member Secretary, Center for Entrepreneurship Development- CED (Tamilnadu)	18.03.2013
13.	Role of District Industries Centre in the development of Micro, Small and Medium Enterprises	Shri. S. Santha Kumar, General Manager, District Industries Centre, Virudhunagar	08.02.2012
14.	Power of Execution	Shri. Gp Capt R. Vijayakumar, VSM (Retd), Executive Director Madras Management Association, Chennai	27.12.2011
15.	Leadership Traits	Shri. Gp Capt R. Vijayakumar, VSM (Retd) Executive Director Madras Management Association, Chennai	23.09.2011
16.	Recent Trends in Stock Market	Dr. S. Rajamohan Professor, Alagappa Institute of Management	18.09.2010
17.	Expression Management	Dr. S. Siva Kumar Professor, V.O.C. College	12.09.2009
18.	Recent Trends in Indian Capital Market	Dr. S. Mathivannan SG Lecturer, S.R.N.M. College	23.10.2008

19.	Role of Strategies on Functional areas of Business	Dr. N. Jeyarathnam Professor, K.L.N.Collge of Engineering	14.11.2007
20.	Interpersonal Relationship	Prof. K. Anbunathan Co-ordinator, MBA programme, American College, Madurai	04.04.2007
Seminar / Conference			
21.	19 th Regional Conclave on Enhancing Occupational Safety and Health: Effective Implementation of Safety, Health & Environment [SHE] Culture in Fireworks Industries	Thiru. K.T. Rajendra Balaji, Honorable Minister for Information & Special Program Implementation, Government of Tamil Nadu, Gp. Capt. R.Vijayakumar, VSM, Executive Director, Madras Management Association, Chennai, Dr. R. K. Elangovan, Director, Regional Labour Institute, Chennai, and Dr. A.P. Singh, Dy. Chief Controller of Explosives, PESO, Sivakasi.	08.12.2012

33. List the teaching methods adopted by the faculty for different programmes.

- Lecture by Chalk and Talk
- Lecture with a quiz / questions
- Tutorial
- Demonstration (Such as model, laboratory, field visit)
- Group Discussion
- Group Assignment/ Project
- Presentations
- Case Studies / Discussions
- Through Learn on line - **Moodle** is in use to perform various activities like group assignments / group projects and to share the materials.
- e-content through national and international portals such as:
 - **NPTEL** <http://nptel.iitm.ac.in>
 - **MIT Open Courseware** <http://ocw.mit.edu/index.htm>

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Bi-weekly test for all the theory courses is conducted by the department.
- Internal Assessment Tests (3 Nos. / Semester) are conducted by the examination cell.
- The performance is analyzed in the class committee meeting. The class committee is constituted by the regulations of the Anna University. The class committee is having the following members:
 - A senior faculty member as chair person,
 - Student members (selective students from top, middle and bottom level),

- Subjects handling staff,
- Class advisors
- The difficulties faced by the student and staff are discussed in the class committee and the same is forwarded to Head of the Department and Principal for necessary action.
- For project work, regular reviews (3 Nos.) are conducted by the department.

35. Highlight the participation of students and faculty in extension activities.

• **Students:**

• **Participation in inter and intra college symposiums, paper presentations.**

- Ms. T. Angelin Sinduja, Ms. R. Sabitha, Ms. G. Yuganya, Ms. A. Seethalakumi and Ms. J. Gurubrintha have participated in the Entrepreneurship awareness camp sponsored by NSTEDB held at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur from 13.02.2014 to 15.02.2014.
- Mr. K. Arunkumar, Mr. M. Thangaraj, Mr. M. Balavignesh, Mr. M. Ponrajaram and Mr. K. Rajamuniyasamy have participated in a two days state level Entrepreneurship awareness camp held at FX Engineering College, Tirunelveli on 28th and 29.01.2014.
- Ms. R. Karpagambal, Ms. R. Maheswari,, Ms. G. Maragatham, Ms. M. Mariammal, Ms. Shanmugapriya, Ms. S. Umamaheshwari, Ms. S. Saratha, Ms. J. Sharmila, Ms. S. Divya and Ms. R. Selvarani have participated in the Illuminate 2013 – A series of pre eureka business plan workshop organized by E Cell, IIT Bombay and Nurture Talent Academy hosted by Einstein college of Engineering, Tirunelveli on 27.09.2013.
- T.Anandh, Student of Second year MBA was participated in Best Manager Competition of “GIM FEST’13” on 01.03.2013 at Guruvayurappan Institute of Management, Coimbatore.
- T. Anandh (II MBA), have participated in the National Science and Technology sponsored “Entrepreneurship Awareness Camp” organized by the Department of Management Studies, Dr. Sivanthi Adhithanar College of Engineering, Tiruchendur from 06th,07th and 08.02.2013
- T.Anandh, Student of Second year MBA was participated in “YUKTI” a two day management meet on 23.02.2013 at Thiagarajar School of Management, Madurai.
- T.Anandh, Student of Second year MBA was participated in “Gestion de Fiesta’2013”, a State Level Management Fest on 22.02.2013 in Francis Xavier Engineering College, Tirunelveli
- 2 Students of I year MBA were participated in Case-study competition of “Corporate – Academic Connect” on 22.12.2012 organised by Aparajitha in partnership with

Confederation of Indian Industry (CII) – Madurai zone and Young Indians(Yi) – Madurai chapter at Hotel JC Residency, Madurai.

- 12 students of second year MBA were participated in “MILAN 2K12”, a state level management meet on 19.10. 2012 at KLN College of Engineering, Madurai.
- 44 students of Second year MBA and 24 students of First year MBA were participated in “11th MMA AIMS Convention 2012 – Entrepreneurship – The Road Less Travelled” on 12th & 13.10.2012 at Kamaraj Arangam, Teynampet, Chennai.
- 31 students of Second year MBA were participated in Engineer’s Day Celebration’12– An Intra College Competition conducted by Department of Civil Engineering, P.S.R. Engineering College, Sivakasi on 15.09.2012.
- 10 students of Second year MBA were participated in VAGANS 2K12 – National Level Symposium conducted by Velammal College of Engineering & Technology, Madurai on 14.09.2012.
- 27 students of Second year MBA were participated in RESILIENCE’12 – An Intra College Technical Symposium conducted by Mechanical Engineering Association, P.S.R.Engineering College, Sivakasi on 01.09.2012. Two Students Ms.S.Mangaiyarkarasi and Ms.J.Devika won 3rd Prize in Water Rocketry event.
- Five students of Second year MBA were participated in Inter-Collegiate meet – 2012 conducted by Department of MSW (Human Resources), Madurai Institute of Social Science on 22.08.2012 at Madurai. Five Students won Prizes in Various events. Ms.K.Geetharani and Ms.B.Ramya won 2nd prize in Quiz, Ms.M.Muthumari and Ms.J.Devika won 3rd prize in Paper Presentation and Ms. S.Mangaiyarkarasi won 3rd prize in Case Study.
- Two students of Second year MBA were participated in Inter-Collegiate & Inter-Disciplinary Seminar on Women Entrepreneurship Development conducted by V.V.Vanniaperumal College for Women Virudhunagar on 20.07.2012.
- Three students of first year MBA were participated in “AUDBA QUEST’12 – National Level Management Meet” conducted by Department of Business Administration, Annamalai University, on 15.03.2012 at Chidambaram.
- 2 students of MBA and 17 students of other engineering branches were participated in MMA Women Managers’ Convention 2012 – Perspectives on 10.03.2012 at Hotel Taj Coromandel, Chennai.
- 12 students of first year MBA were participated in “CHALLENGE’12 – 2nd State Level Inter Collegiate Management Meet” conducted by PPG Business School, Saravanampatti, Coimbatore on 02.03.2012.

- 26 students of MBA and 14 students of other engineering branches were participated in MMA Annual Convention 2012 – Re-inventing India on 18.02.2012 at Hotel Taj Coromandel, Chennai.
- 12 students of first year MBA were participated in various events in south Indian level management meet “MAVERICK” in K.S.R. College of Engineering, Thiruchengode on 23.12.2011.
- Six students of first year MBA participated in one-day workshop on “Young Entrepreneurs” conducted by Department of Management Studies, Einstein Engineering College on 16.12.2011.
- 22 students of first year MBA were participated in “15th Regional Conclave on Empowering Growth of Small and Medium Enterprises” conducted by Madras Management Association, Chennai on 19.11.2011 at hotel Sangam, Madurai.
- Six students of second year MBA and 2 students of first year MBA were participated in “10th All India Management Students’ Convention” conducted by Madras Management Association, Chennai on 13.10. 2011 at Chennai. In this convention, 2 students of second year MBA, Ms.K.Poornima and Ms.G.Vidhyalakshmi secured 5th place in paper presentation competition.
- Ms. K. Poornima of II MBA won first prize in the event “X – Tempore (English)” in Resilience ’11 (an intra college Technical Symposium) organized by Department of Mechanical Engineering, P.S.R. Engineering College on 31.08.2011.
- Mr. S. Lakshmanaraj, Mr. R. Marikannu, Mr. M. Mariselvam and Mr. A. Sathesh Kumar of II MBA won second prize in the event “Ad - ZAP” in Resilience ’11 (an intra college Technical Symposium) organized by Department of Mechanical Engineering, P.S.R. Engineering College on 31.08.2011.
- P. Karthikai Priya, M. Muthu Mohanambal, and R. Suganya of II year MBA won 2nd Prize in the event Talent Exposure in COMFESTA’11 (An Inter Collegiate Meet) organized by PG Department of Commerce, G. Venkataswamy Naidu College (SF), Kovilpatti on 28.01.2011.
- Faculty:
 - Present technical papers in international/national conferences / seminars
List given in Question No: 14
 - Publish technical papers in reputed journals
List given in Question No: 14
 - Conducting the faculty development programs

S.No.	Title of FDP	Source of Funding	Date	No. of participants
1	Catalyst – A Unique One Day Faculty Development Programme to Inspire Learning	MMA, Chennai	01.12.2012	29

• **Delivering lecture in faculty development programs**

1. Mr. R. Rengarajan delivered a guest lecture on Operations Research for Management organized by the Department of Business Administration, The Standard Fireworks Rajaratnam College, Sivakasi on 02.03.2011.
2. Mr. R. Rengarajan delivered a guest lecture on Management of Teaching-Learning Process in Teachers Empowerment Programme 2011 organized by ISTE Chapter, P.S.R. Engineering College, Sivakasi on 05.01.2011.
3. Mr. R. Rengarajan delivered a guest lecture on Material Requirement Planning organized by the Department of Business Administration, The Standard Fireworks Rajaratnam College, Sivakasi on 15.09.2010.
4. Mr. R. Rengarajan delivered a guest lecture on Career Guidance and personality Development organized by the Department of Commerce, A.K.D. Dharma Raja Women's College, Rajapalayam on 04.03.2010.
5. Mr. R. Rengarajan delivered a guest lecture on Need and Significance of Leading in the Management of Teaching Learning Process in Teachers Empowerment Programme 2009 organized by ISTE Chapter, P.S.R. Engineering College, Sivakasi on 01.12.2009.
6. Mr. R. Rengarajan delivered a guest lecture on How to face the interview organized by Department of IT, P.S.R. Engineering College, Sivakasi on 19.09.2009.
7. Mr. R. Rengarajan delivered a guest lecture on Teaching Skills in one day training programme on Teaching Skills and Quality Education organized by Department of EEE, P.S.R. Engineering College, Sivakasi on 12.12.2007.

○ **Taking responsibilities on administrative activities**

S.No.	Name of the Faculty	Administrative Responsibilities
1	Mr. R. Rengarajan	• Head of the Department • Co-Ordinator - E-Cell • Management Representative - ISO
2	Dr.K. Rajamannar	• Dy. Controller of Examination

3	Mr. R. Thirumalaikumar	• Member - Alumni Association • Member - Automation
4	Ms. V.M.Sangeethe	• Member – Training & Placement Cell • Member ISO
5	Mr. R. Kasi Raman	• Member – E-Cell • Incharge – Department Exam Cell
6	Ms. J. Hema	• Co-ordinator - MMA Student Chapter
7	Ms. S.P.Subhashini	• Member – College Magazine / News letter Committee
8	Mr. G. Ravindran	• Training Officer - Training & Placement Cell
9	Ms. S. Umamaheshwari	• Member - MMA Student Chapter
10	Mr. K. Karthikeyan	• Member – Training & Placement Cell

36. Give details of “beyond syllabus scholarly activities” of the department.

- Regular industrial visits
- In-plant (Summer) training by students during semester holidays
- Regular guest lecture by industrial experts
- Encouraging the students to participate project contest, paper presentation etc.,

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- Yes. certified with **ISO 9001:2008** by **Germanischer Lloyd**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

- Strength:
 - Excellent infrastructure
 - Adequate laboratory and library facilities
 - Qualified faculty members University Rank holders
 - Excellent staff student ratio
 - Excellent student intake
 - Motivate to do research
 - Value added programmes for students & Staff

- Weakness:

- Research centre recognition
 - Consultancy services to pick up
 - Patents
 - Less number of Ph.D faculty
 - Average level of communication skills
- Opportunities:
 - Supportive management
 - Modernization in teaching learning process
 - Student's involvement in many co-curricular and extra-curricular activities
 - Soft skill training / Placement training programmes
 - Continuous improvement process for developing students knowledge
 - Prospective students
 - Excellent educational atmosphere
- Challenges:
 - Institute Industry interaction
 - Train the Students with latest technological background
 - More number of students from rural area
 - Internship
 - Funded projects

39. Future plans of the department.

- Recognized Research centre of Anna University, chennai
- To organize international conference
- Plan to publish department magazine for every 3 months
- Funded projects

