



# CENTRAL UNIVERSITY OF KERALA PROSPECTUS 2014-15

# CUK



“Do you feel for others? If you do, you are growing in oneness. If you do not feel for others, you may be the most intellectual giant ever born, but you will be nothing; you are but dry intellect, and you will remain so”

- Swami Vivekananda

(Quoted by the President of India, Shri Pranab Mukherjee, on the occasion of CUK's First Convocation on July 18, 2014)







### About the prospectus

This prospectus is for people interested in applying for under-graduate and post-graduate study at the Central University of Kerala. The first section contains a general introduction to the University, information about our departments and the courses offered. The second section describes the type of programmes we offer, and provides details about the student and academic support services, fee and financial support information, and tells you how to apply for admission. Every effort is made to ensure that programmes and courses are offered as described here and that any subsequent changes would strengthen, rather than detract from, your opportunities. However, the university reserves the right to alter or withdraw particular programmes or courses, to adjust the level of fees and to review and amend arrangements for the provision of financial help and student accommodation. It may be noted that the University is in no position to guarantee accommodation to all its students.



## Welcome to Central University of Kerala



In the five years since its establishment in 2009, the Central University of Kerala has undergone steady growth, evolving from 17 students, a small group of faculty and two teaching Departments, to over 600 students, around 100 faculty, and 16 postgraduate teaching/research Departments offering around 20 different academic programmes, and a sprawling campus of its own.

We have also established two Centres - one at the State Capital Thiruvananthapuram and the other in Pathanamthitta district. The Capital Centre, inaugurated by the Prime Minister of India in January 2014, offers a unique Integrated BA-MA programme in International Relations. Giving vivid expression to the theme of industry-university interaction, the Spices Board-Govt of India came forward to establish a unique WTO-Chair in this University, perhaps the first of its kind in the country.

The newest additions, this year, are the LL. M. Programme and the M.Ed. Programme being launched respectively at the Pathanamthitta and Kasaragod Centres.

Infrastructural facilities available in the

University are second to none. Our libraries have an enviable collection of volumes and offer access to an enormous database of journals. State-of-the-art sophisticated analytical instruments render the science departments competent to indulge in scientific research of the highest order. Language laboratories provide the Language and Linguistics Departments with rare and unique opportunities for study and research. The curriculum in social work envisages opportunities for unique engagement with the community and the society around. Our faculty is made up of talented, dedicated teachers drawn from across the country who have had exposure and training in some of the well known institutions in the country and abroad.

The first set of three teaching Departments moved into our serene 310-acre permanent campus on the 1st of November 2013. Two more teaching Departments and the entire administrative wing moved into the second unit of uni-floor buildings on the 4th of June 2014. This decision to move the administrative offices into these limited facilities came about through the realization that time-bound development of

this Campus would squarely depend on our active presence here.

The long cherished dream of students of the past four years had been to receive their degrees at a Convocation graced by the President of India. Their prayers were answered when they were blessed with the unique opportunity to receive their degrees in the venerable presence of the country's First Citizen, our Honourable Rashtrapatiji, Shri Pranab Mukherjee at the First Convocation on the 18th of July 2014.

Speaking on the occasion, the President stated: "It is alright to have personal ambitions. But it should not be the 'be all and end all' in life. While pursuing your individual goals, always keep the bigger picture; the higher calling; the greater good, in mind. Treat your personal aims and the greater good as one integrated whole, without separating them". This goes well with our mission of 'caring wisdom'. The Convocation also became the occasion for the President of India to rightly name the University campus at Periyar as 'Tejaswini Hills' to reflect the exuberance, enlightenment and radiance that characterize the University.

Scholars of the recent past who could be presented to any student as role models remain scintillating memories. Where are the likes of Sarvepalli Radhakrishnan or Zakir Hussain? It is just not enough for a University to produce the best graduates, exposed to the best facilities and infrastructure; the country is in dire need of upright men and women to provide the right leadership to take it forward in the decades ahead. Essential are enlightened youth of integrity, with useful knowledge, able to think for themselves, willing to put in their might for the country. Values, ethics, justice need to be inculcated into the personality of the students entrusted to our care.

It is my pleasure to invite you to come and experience what we have to offer. We do not promise you the world; but, we will make every effort to bring out the very best in you; to nurture you in the principles of dharma and of loving concern for fellow human beings, ready and able to excel in all spheres of their activity. The goals of education in our country include social development and justice and certainly scaling the heights of wisdom. The Central University of Kerala is committed to deliver these goals and empower the student community to emerge as competent personalities to lead the country and humanity.

Prof. (Dr.) G. Gopa Kumar  
Vice-Chancellor  
Central University of Kerala

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## **Central University of Kerala**

*- where success is not a destination,  
but, a journey...*



## About the University

Based on the principles of excellence, 'caring wisdom' and equal opportunity for all, the Central University of Kerala (CUK) is one of the 15 new Central Universities established under "The Central Universities Act, 2009 (Act No. 25 of 2009)". CUK aims to extend the scope of learning through a holistic methodology that accommodates diverse linguistic, scientific and cultural traditions. The university is headquartered at Kasaragod, the northernmost district of Kerala and has state-wide jurisdiction. It opened its doors in June 2009 with only 17 students, operating from the transit campus in Vidyanagar along with the administrative offices and the University Library. Soon after, the university started the Riverside Transit Campus at Padannakad, 35km further south, which houses the science schools. The permanent campus of the University is being set up at Tejaswini Hills, Periyar on a panoramic stretch of 310 acres of land beside the National Highway. In November 2013, the construction of the first set of buildings was completed at Periyar. Five academic departments are functioning in the permanent campus.

In the last five years since its establishment, CUK has grown by leaps and bounds, be it in the number of students, departments, and faculty or in the quality of resources available. Given the tradition of teaching excellence and research prowess that the university has developed and enhanced in such a short span of time, it stands well poised to continue on its path of enviable growth and success well into the future.

### Departments, Centres

Animal Science  
Biochemistry and Molecular Biology  
Chemistry  
Computer Science  
Diaspora Studies  
Defence and Strategic Studies  
Economics  
Education  
English and Comparative Literature  
Environmental Science  
Genomic Science  
Hindi  
International Relations  
Linguistics  
Law  
Mathematics  
Plant Science  
Physics  
Policy Sciences and Regional Planning  
Social Work  
WTO Studies

### Programmes

B.A. International Relations  
LLM  
M.A. Economics  
M.A. English and Comparative Literature  
M.A. Hindi and Comparative Literature  
M.A International Relations and Political Science  
M.A. Linguistics and Language Technology  
M.Ed.  
M.Sc. in Animal Science  
M.Sc. in Biochemistry and Molecular Biology  
M.Sc. in Chemistry  
M.Sc. in Computer Science  
M.Sc. in Environmental Science  
M.Sc. in Genomic Science  
M.Sc. in Mathematics  
M.Sc. in Physics  
M.Sc. in Plant Science  
M.S.W

### Why CU-Kerala?

Ideal location for higher education

CU-Kerala offers a unique opportunity for higher education combining a fast-paced learning environment while enjoying the cultural, social and recreational mélange of opportunities offered by the oft unexplored northernmost coast of Malabar. CU-Kerala was established in the poorly developed district of Kasaragod with the primary aim of aiding and enhancing the socioeconomic development of the region. The location of the university is an integral component of its identity as a seat of higher learning that serves to inculcate in its students a 'caring wisdom'. Headquartered at Tejaswini Hills, Kasaragod, it has its own Centres at the State Capital and in Central Travancore.

### Only Central University in Kerala

Created by the Union Government in 2009, the University has jurisdiction all over the State of Kerala. It is funded by the Central Government and has a national character, which is reflected in its student profile. We have students from across the nation. CUK also has international students from Spain and Nigeria.

### Award winning faculty

One of the biggest strengths of CU-Kerala is its team of dedicated and committed faculty members, many of whom have international exposure and are foreign trained. They have made their presence felt at national and

international forums through their research projects and invited talks and lectures. Under their expert guidance, many of our previous students have continuously succeeded in winning national and international fellowships and awards for further study and research.

#### Innovative Teaching and Assessment Methods

Our well-trained faculty strike an effective balance between using conventional pedagogical methods and multimedia teaching that include lectures with technological resources like powerpoint presentations, use of blogs, e-learning, etc. Particular emphasis is laid on independent study, with plenty of opportunity for students to read and research those aspects of courses that interest and excite them the most. In addition to lectures, all courses have an associated series of seminars for which reputed guest speakers are often invited to provide students the valuable opportunity to have stimulating discussions with the best minds in their field. Students are continuously assessed throughout

the academic year via assignments, presentations and end-semester examinations together, providing a more comprehensive account of their learning progress.

#### Influential Visitors

Each year, there are many influential speakers at CUK (renowned speakers that include scientists, literary stalwarts, and luminaries who adorn coveted positions) as well as leading academics from all around the world who visit to participate in teaching and to give public/diplomatic lectures. Our research informs and constantly rejuvenates our teaching. Graduate students also play a valued and important role in the University's contribution to scholarship, through the research they undertake during their studies. CU-Kerala supports staff to keep them abreast of the times by enabling them to participate in national and international platforms. Staff are regularly sought out as advisers, consultants and commentators, becoming involved in the practical impact of the subjects they teach and research.



## Prominent Speakers

Ever since its inception in 2009, the Central University of Kerala has hosted a number of eminent personalities for various events. CUK is committed to providing the academic community, particularly the students, with the opportunity to engage in debate and discussion with the best minds in the field. We believe that such interactions serve to foster a stimulating learning environment and offer a rare insight into the lives of inspiring individuals. This has proved to be a tremendous source of motivation for our students every year. Some of the distinguished personalities, whom CUK was fortunate to host, are listed.

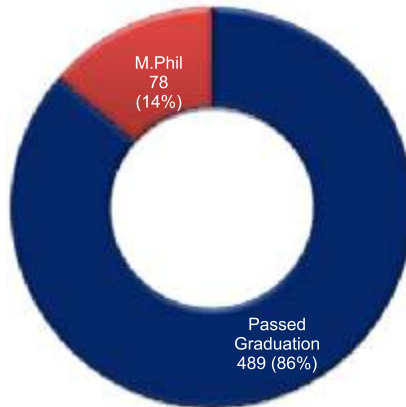




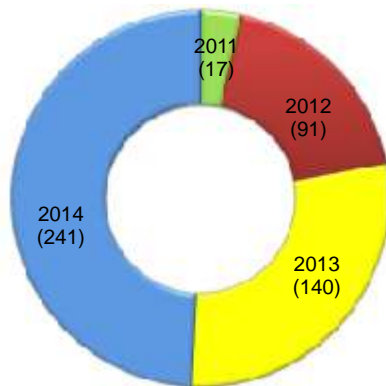
1. President of India, Shri. Pranab Mukherjee
2. Former Prime Minister, Dr. Manmohan Singh
3. Governor of Kerala, Smt. Sheila Dikshit
4. Chief Minister of Kerala, Shri. Oommen Chandy
5. Former HRD Minister and Member of Parliament from Thiruvananthapuram, Dr. Shashi Tharoor
6. Former Minister of State (Labour) and Member of Parliament Shri. Kodikunnil Suresh
7. Chancellor, Padma Bhushan Prof. (Dr.) Virender Lal Chopra
8. The Vice-Chairman of the Kerala State Planning Board, Shri. K.M Chandrasekhar, former Cabinet Secretary of India , former Chief Secretary (Govt. Of Kerala) and India's former Ambassador to WTO
9. Vice-Chairman and Executive Head of the Kerala State Higher Education Council and Former Ambassador, T.P Sreenivasan
10. Former Deputy Director-General (WTO) Dr. Harsha Vardhana Singh
11. India Ambassador to the Netherlands Smt. Bhaswati Mukherjee
12. Justice Cyriac Joseph ,Member, National Human Rights Commission and Former Supreme Court Judge
13. Professor Ernst Ulrich Petersmann, Emeritus Professor, European University Institute
14. Professor Dr. S. Parashuraman, Director, Tata Institute of Social Sciences, Mumbai.
15. Anti-Endosulfan Activist, Smt. Leela Kumari
16. Paul Sellers, Director South India, British Council
17. Professor (Dr.) K.L. Sebastian, Amrut Modi Chair Professor in the Division of Chemical Sciences, Indian Institute of Science.

# Academic Programmes Offered

**Total number of students passed during 2011-2014**



**Year wise pass out of Postgraduate students (2011-2014)**



## The PG Programme

Admission to the PG programmes is subject to applicants fulfilling eligibility conditions for various programmes as notified in the University website [www.cukerala.ac.in](http://www.cukerala.ac.in). It is the applicants' responsibility to ensure that they fulfill the eligibility criteria as notified by CUK. The duration of the postgraduate programme is 4 semesters. Each semester is comprised of 16-18 weeks of teaching, with 5 working days and 30 instructional hours per week.

The programmes are organised under the Choice Based Credit and Semester (CBCS) pattern. Curricular innovations of CBCS provide vertical integration of knowledge and equip the students for successful performance in any competitive task in any part of the world. Students are offered two types of courses: (a) Core courses, identified by each Department, aimed at providing a knowledge in the concerned subject of study; (b) Elective courses, chosen by the students in consultation with the Faculty Advisor. In addition to these, each student will have to do a Dissertation/Project work emphasising the application of knowledge to real problems. The minimum total credits required for the successful completion of a PG programme is 72 credits within 4 semesters. Out of the 72 credits, a student has to secure a minimum of 48 but not more than 60 credits for Core

courses, including that of the Dissertation and a minimum of 12 but not more than 24 credits for Elective courses.

## The Ph.D. Programme

The programme of study and research leading to the degree of Doctor of Philosophy (Ph.D.) of the Central University of Kerala may be pursued in a Department of the University or in a research institution recognized by the University for the purpose. Candidates seeking registration to the doctoral programme may submit their applications for registration in response to the notification issued by the University/research centre in this respect. Applications for registration should be submitted in the prescribed form along with the prescribed fees to the Head of the University Department concerned. In the case of candidates intending to do research at a recognized research institution, the applications should be submitted to the Head of the University Department concerned through the Head of the chosen research institution along with his/her recommendation and facility certificate. Eligibility criteria and other conditions regarding the Ph.D. programme are specified in the regulations concerned.

### CUK Academic Calendar

<b>Date of commencement of Online Application Form for UG/Integrated Programmes</b>	<b>Saturday, March 1, 2014</b>
<b>Last date for applying for UG/Integrated Programmes</b>	<b>Tuesday, April 8, 2014</b>
<b>Start of download of Hall Tickets For UG</b>	<b>April 15, 2014</b>
<b>Date of commencement of Online Application Form for PG/RP Integrated Programmes</b>	<b>Monday, March 10, 2014</b>
<b>Last date for applying for PG/RP Integrated Programmes</b>	<b>Thursday, April 10, 2014</b>
<b>Date of Central Universities Entrance Examination (CUCET) for UG/Integrated Programmes</b>	<b>April 26 &amp; 27, 2014</b>
<b>Date of Central Universities Entrance Examination (CUCET) for Integrated/PG and RP Programmes</b>	<b>May 17th &amp; 18th, 2014</b>
<b>Date of declaration of UG &amp; Integrated Exam Results.</b>	<b>07 May 2014</b>
<b>Date of declaration of PG &amp; RP Integrated Exam Results.</b>	<b>02 June, 2014</b>



## UG/PG PROGRAMMES OFFERED BY CUK (2014-2015)

Subject	Degree	Seats	Qualifying degree	Subject of the qualifying degree (from a recognised university)	Min. mark in qualifying degree
Animal Science	M.Sc.	20	B.Sc.	Zoology with Botany and Chemistry/Biochemistry as subsidiary subject or any subject under Life Science with Zoology as a major/core subject	55%
Biochemistry & Molecular Biology	M.Sc.	20	B.Sc.	Chemistry/Biochemistry/any subject under Life Sciences with Chemistry/Biochemistry as a major/core subject	55%
Chemistry*	M.Sc.	16	B.Sc.	Science Subject with Chemistry as the main or one of the main subjects and Mathematics as one of the subsidiary subjects	55%
Computer Science	M.Sc.	20	B.Sc.	Computer Science/BCA/B.Tech. Computer or equivalent	55%
Economics	M.A.	26	Bachelor	Any discipline	50%
English & Comparative Literature	M.A.	26	Bachelor	Any discipline and a minimum of 50% marks or equivalent grade in English	50%
Environmental Science	M.Sc.	20	Bachelor	Science/Engineering/Agricultural Sciences/Geology/Geography	55%
Genomic Science	M.Sc.	20	B.Sc.	Biotechnology/Biochemistry/any subject under Life Sciences with Biotechnology/Biochemistry as a major/core subject	55%
Hindi & Comparative Literature	M.A.	26	Bachelor	Any discipline and a minimum of 50% marks or equivalent grade in Hindi	50%
International Relations & Political Science	M.A.	26	Bachelor	Any discipline	50%
International Relations <sup>#</sup>	B.A.	40	+2	Any discipline	50%
Law <sup>##</sup>	LLM	26	Bachelor	Law	50%
Linguistics and Language Technology*	M.A.	26	Bachelor	Any discipline and a minimum of 50% marks or equivalent grade in English	50%
Mathematics	M.Sc.	26	B.Sc.	Mathematics	55%***
Physics	M.Sc.	20	B.Sc.	Physics	55%**
Plant Science	M.Sc.	20	B.Sc.	Botany/Plant Science or any subject under Life Sciences with Botany/ Plant Science as a major/core subject	55%
Social Work	MSW	26	Bachelor	Any discipline	50%
Education	M.Ed.	25	Bachelor	B.Ed. in subject concerned	55%

Note: | \* New Course| \*\* in the subject | \*\*\* in main and optional subjects|

# BA course will be offered at Thiruvananthapuram campus (Capital Centre)

## LLM course will be offered at Pathanamthitta campus

Note:

1. Applicants awaiting results in the qualifying examination may also apply. However, their admission will be subject to their passing and getting the minimum eligible marks in the qualifying examination, the proof of which should be submitted before the last date fixed for the completion of the admission formalities by CUK.
2. It is the applicants' responsibility to ensure that they fulfil the eligibility criteria as notified by the various universities they apply through CUCET 2014.
3. Admission to the Central Universities is governed by the Central Educational Institutions (Reservation in Admission) Act.
4. 5% relaxation in the minimum required marks is granted to SC/ST candidates for eligibility for admission in all programmes.
5. CUK reserves the right to launch or drop any academic programme at any stage.







## SCHOOLS

### Tejaswini Hills

School of Global Studies

School of Humanities and Social Sciences

School of Mathematical and Physical Sciences

### Vidyanagar Campus

School of Languages and Comparative Literature

### Science Campus

School of Biological Sciences

School of Energy, Environment and Earth Sciences

School of Mathematical and Physical Sciences

### Law Campus, Pathanamthitta

Department of Law

### Capital Centre, Thiruvananthapuram

Department of International Relations





## Tejaswini Hills (Main Campus)

School of Global Studies  
Department of Economics  
Department of International Relations

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School of Humanities and Social Sciences  
Department of Social Work

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School of Mathematical and Physical Sciences  
Department of Computer Science  
Department of Mathematics

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# School of Global Studies

Department of Economics  
Department of International Relations

## Department of Economics

The Department of Economics is one of the pioneering departments in the Central University of Kerala under the School of Global Studies. The Department offers M.A., M.Phil. and Ph.D. Programmes in Economics. Other than teaching assignments, the Department is also involved in academic and research activities such as conducting workshops and seminars. It has launched a public lecture series on Kerala's development challenges and an annual memorial lecture in the name of Dr . K. N. Raj.



Basim K.

### M.A. (Economics)

Code Course Title

#### Semester I

- GEC 5101 Micro Economic Theory I
- GEC 5102 Macro Economic Theory I
- GEC 5103 Indian Economy
- GEC 5104 Basic Quantitative Methods
- GEC 5105 Growth and Development

#### Semester II

- GEC 5201 Microeconomic Theory II
- GEC 5202 Macroeconomic Theory II
- GEC 5203 International Political Economy
- GEC 5204 Basic Econometrics
- GEC 5001 Elective: Public Economics

#### Semester III

- GEC 5301 International Trade and Finance
- GEC 5302 Regional Economic Problems
- GEC 5303 Research Methodology
- GEC 5003 Elective II Labour, Migration and Development
- GEC 5006 Elective III Industrial Economics

#### Semester IV

- GEC 5401 Issues in Global Governance
- GEC 5007 Elective IV- Health Economics
- GEC 5402 Dissertation

“ Being a native of Wayanad, which like Kasaragod is a poorly developed district of Kerala, I was delighted to be selected for the MA Economics course at a Central University. The experienced and supportive faculty members in the department further reaffirmed my faith in the prestige and value associated with being a scholar at a central university and their guidance proved valuable in qualifying for NET and JRF in December 2011. I stayed on to enroll for the integrated research programme as soon as I passed my MA in 2012. My research examines the ‘Export performance of India’s service sector after liberalization’. The faculty has contributed immensely in making my initiation into research an enjoyable and productive experience. This is evident in the many opportunities I have had to present my work at national and international conferences. The department organizes a regular stream of activities in the form of national and international conferences, workshops and seminars and a public lecture series, all of which ensure that students are exposed to the most recent developments in Economic theory and practice. The university has a thriving student body that elected me as the Vice President of the first Students Council of CUK in 2012. I also currently serve as the editor of the Career Development and Capacity Building Cell of the Department of Economics. ”



## Department of International Relations

The Department of International Relations, a vibrant and growing entity of the School of Global Studies (SGS), Central University of Kerala, offers matchless opportunities for higher learning in international law, diplomacy, defence studies, national/international security, diaspora studies, public policy, constitutionalism, global governance, decentralised planning, environmental sustainability, gender and human rights. The Department has an interdisciplinary approach to the study of international relations, and its curriculum includes a wide spectrum of courses such as Theories of International Relations, Research Methodology, Security and Strategic Studies, Foreign Policy Analysis, Diplomacy, International Security, International Development, International Organisations, International Law, Comparative Politics and International Political Economy. In addition to classroom instruction and other course related activities, the special seminar series

provides a regular forum for training in public speaking, informed debates and critical analysis. Every student is encouraged to participate in regional/national/ international conferences, seminars, colloquia etc. to gain confidence and acquire insight and precious exposure to the world arena. A major highlight of the Department is its bi-semester Diplomatic Lecture Series, which is a unique opportunity for students to listen to and interact with renowned diplomats of the world.

### The Master's Programme

The Master of Arts programme in International Relations and Political Science provides students with interdisciplinary exposure essential for a better appreciation of the complicated nature of national/global issues and events. It has an innovative and comprehensive curriculum designed for the study of cutting-edge international/national issues such as globalisation, democratic governance, administrative

theory, international political economy, post-Cold War conflicts and security threats, new forms of civil society mobilisation in world politics, global environmental challenges and the issues of global justice. The Core and Elective courses are designed to enable students acquire analytical/ research/reasoning skills and apply the concepts of International Relations to contemporary and practical global issues. Opportunities for internship, community service learning, and study-abroad add tremendous value to the programme. Students are encouraged to conduct research in areas of assistance to practitioners in public service/in non-governmental/non-profit sectors and thus participate in local developmental issues of Kasaragod district in particular and the State of Kerala in general. To sum up, students of M.A. in International Relations and Political Science would graduate not merely with a solid understanding of the theory, practices and institutions of politics, but also with a clear perception of how to create a more just and humane world.

## M.A. (International Relations and Political Science)

### Centres

The Department of International Relations has four Interdisciplinary Centres that include Centre for Diaspora Studies, Centre for Policy Sciences and Regional Planning, Centre for WTO Studies and Centre for Defence and Security Studies.

## M. A. (International Relations and Political Science)

Code	Course Title
<b>Semester I</b>	
GIR 5101	Political Theory (C)
GIR 5102	Democracy and Political Institutions in India (C)
GIR 5103	Contemporary International Relations (C)
GIR 5104	Theories of International Relations (C)
GIR 5105	Administrative Theory (C)
<b>Semester II</b>	
GIR 5201	India's Foreign Policy (C)
GIR 5202	International Political Economy (C)
GIR 5203	Comparative Political Analysis (C)
GIR 5204	Indian Strategic Thought (C)
GIR 5205	International Organisations (C)
<b>Semester III</b>	
GIR 5301	Research Methodology (C)
GIR 5302	Key Readings from Classical Texts (C)
GIR 5001	Optional Paper (from the set on offer for the semester)
GIR 5002	Optional Paper (from the set on offer for the semester)
<b>Semester IV</b>	
GIR 5004	Optional Paper (from the set on offer for the semester)
GIR 5003	Optional Paper (from the set on offer for the semester)
GIR 5401	Dissertation Work (Optional)
	Viva-voce

### List of Optional Papers

1. Political Economy of Kerala
2. Parties, Elections and Political Process in India
3. Public Policy Analysis
4. Public Institutions and Governance
5. Rural Urban Development and Local Government in India
6. Environment and Development: Policy and Politics
7. India and the World
8. State and Society in Pakistan
9. Comparative Federalism: Theory and Practice
10. Gender in International Relations
11. Social Exclusion: Theory and Practice
12. The Politics of Violence in South Asia
13. International Security
14. State and Society in Canada
15. Human Rights and International Relations
16. Modern Diplomacy
17. Indian Administration
18. State and Society in Africa
19. War and Peace in West Asia
20. Foreign Policy of USA
21. China in International Politics
22. Global Politics: Concepts, Theories and Issues
23. International Law
24. Terrorism
25. World Trade Organisation, International Trade and Global Politics
26. Advance Political Theory
27. Issues in Non- Conventional Security
28. European Integration: Institutions, Policies and Programmes
29. Foreign Policy of France
30. State Politics in India



Lawrence

Elena

“A graduate in Social Education from the University Of Valladolid, Spain and a graduate in Theatre Arts from the University of Calabar, Nigeria respectively, we both took up the MA International Relations with the desire to understand the two opposing, almost paradoxical identities that define this great nation. While one of us is interested in the socioeconomic challenges that face developing nations like India, the other is in awe of the tremendous growth that India (unlike other ex-British colonies like Nigeria )has witnessed in the last six decades since its independence from British rule. Our ever-active, enthusiastic and close-knit team of faculty members has proved to be exceptional academicians as well as role models, constantly challenging and encouraging us to give our best. The course, with its comprehensive interdisciplinary syllabus, covering a wide range of topics from international law, foreign policy analysis to diaspora studies, environmental sustainability and gender and human rights, is proving to be a challengingly productive pursuit. Opportunities for internship and community service learning, combined with the unique opportunity to interact with renowned diplomats during the Department's bi-semester Diplomatic Lecture Series, have all further strengthened our understanding of India, politics and the complicated nature of national/global issues.”

## CENTRE FOR DIASPORA STUDIES



**T. P. SREENIVASAN**  
(Chairman)

Vice Chairman, Kerala State Higher Education Council  
Former Ambassador

Realising the large number of people in diaspora from the state of Kerala and their role in strengthening the economic and political welfare of the country, the Centre for Diasporic Studies was established under the purview of the Department of International Relations. It aims to study the Indian Diaspora and situate the diaspora from Kerala with all its characteristics within the vast and varied diasporic canvas of India. The Centre will study the history of various migration streams from India over the centuries to the present, the patterns of migrations and the forces necessitating the movement and their contribution to India's economic well-being and political influence. The centre intends to prepare a database on Peoples of Indian Origin (PIO) abroad, especially from Kerala and also to encourage the preparation of recorded experiences by migrants and migrant groups. The Centre for Diaspora Studies aims to prepare a databank and historical profile of Indian Diaspora, to study its

socio-political and economic implications, and to provide inputs to governments in framing its policies with regard to diaspora. The Centre will provide inputs to governments in framing policies with regard to the diaspora. The activities envisaged by the Centre are to organise seminars and workshops on diasporas in general and the Indian Diaspora in particular, for students and teachers as well as the general public at the regional, state and national levels; to publish the proceedings of these seminars and lectures and make them available to the public; to set up a collection of books especially relating to literature on diaspora; to institute international fellowships for students particularly from backward areas of Kerala to do research in diaspora studies. One important thrust area which the Centre would like to concentrate on in the immediate future is with regard to the Gulf migrants of Malabar and the US and European migrants of Central Travancore.

## CENTRE FOR POLICY SCIENCES AND REGIONAL PLANNING



**K. M. CHANDRASEKHARAN**  
(Chairman)

Vice Chairman, Kerala State Planning Board  
Former Cabinet Secretary

In consonance with the objective of the University to pay special attention to the improvement of the social and economic conditions and welfare of the people, the Department of International Relations and Political Science established the Centre for Policy Science and Regional Planning (CPSR). The Centre will be serving as a research unit that provides critical inputs to policy-makers and the Kerala State Planning Board to address the policy issues of Kerala, in general, and the backward northern districts, in particular. CPSR would help to strengthen the public policy through rigorous research and analysis of the impact of public policies on social

issues such as poverty and social welfare, children and families, housing and neighborhoods, the workforce of Kerala, the environmental issues, etc., with a special focus on socially backward northern districts in Kerala. Furthermore, CPSR would engage in an active program of policy research, dissemination, and implementation and technical assistance to Government of Kerala and Government of India. CPSR would be a dedicated agency to analyze the public problems and the identification of potential solutions to them.

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## CENTRE FOR WTO STUDIES

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**Ernst-Ulrich Petersmann**  
(Chairman)

Professor Emeritus, European University,  
Former Legal Counsellor of WTO)

Ever since the new economic order was established through the World Trade Organisation in 1995, a new regime of 'organised trade' was ushered in through rules-based coherence system. Though uncertainty is currently prevailing in the WTO review process, the increased popularity of the multilateralisation that rests on consensus-based approach is bringing more members into the organization. The world is also witnessing a proliferation of many regional and bilateral trade agreements. This is being done under the auspices of the WTO, which permits such engagement as regional or national initiatives to strengthen free trade even though many are wary of balkanization of multilateralisation process. There is an equally important mandate to provide an ideal platform to help the interaction between the primary stakeholders and the centre; to facilitate a decentralized Trade Policy; to establish a rich source of database

and literature on the implications of international trade agreements on the economy of the region; to provide an environment for ushering in change in the national trade policy formulation, whenever necessary, etc. Some of the policy issues vis-à-vis agriculture that are being currently negotiated in the Non-agricultural market access (NAMA) and educational issues (under GATS) vindicate the necessity for a robust research programme that can provide ground realities through evidence based documentation in all spheres of WTO and the political economy of international trade. The Centre's main role will be to build the capacity of the region on trade and development issues, provide training programmes, Seminars, Workshops and Trade Dialogues in the region. The Centre will try to collaborate with national, regional, multilateral and international universities to discuss the development debate on trade and development issues for the region.

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## CENTRE FOR DEFENCE AND STRATEGIC STUDIES

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**LEELA PONNAPPA**  
(Chairperson)

**Former Ambassador & Deputy National Security Adviser**

The Centre is a new endeavour of the Department of International Relations, Central University of Kerala to engage in research, analysis, commentary and discussion on issues of significance within the broad context of National Defence and Security. The objective of the Centre is to enhance quality and innovation in Defence and National Security studies. The major objectives of the Centre are to initiate interdisciplinary studies in the realm of national security, defence and strategic studies and to undertake specific research projects pertaining to the challenges to India's national

security. It also intends to foster links with the international security and defence community, the Indian Ministry of Defence, other related government departments, the defence/diplomatic community and the media and also to ensure their interfaces in the areas of defence and national security. The centre shall endeavour to set up collaborative research ventures with defence/security institutions in India and abroad and to develop integrated M.A and PhD programmes in Defence and National Security studies.



## B.A. (International Relations)

The Integrated B.A./M.A. Programme (International Relations) is a five-year programme with an exit option after three years. Students, who continue with the studies for two more years will be awarded M.A. The Schedule of Papers of the first six semesters (B.A. Programme in International Relations) is listed below. Besides papers on International Relations, students will have to study a Foreign Language as part of their core papers in International Relations. Students will have to choose either French or German for foreign Language, which is mandatory for the first two years. For the third year choosing foreign language is optional. English (First language) is mandatory. For second language they can choose one among the following - Malayalam, Hindi or Special English.

## FIRST YEAR

### Semester I

Course	Code
Introduction to Political Science (C)	GIR 3101
Foreign Language Paper I (French) (O)	GIR 3102
Foreign Language Paper I (German) (O)	GIR 3103
English Paper I (C)	GIR 3104
English Paper II (C)	GIR 3105
Hindi Paper I (O)	GIR 3106
Malayalam Paper I (O)	GIR 3107
Special English Paper I (O)	GIR 3108

### Semester II

Course	Code
Political Thought (C)	GIR 3201
Foreign Language Paper II (French) (O)	GIR 3202
Foreign Language Paper II (German) (O)	GIR 3203
English Paper III (C)	GIR 3204
English Paper IV (C)	GIR 3205
Hindi Paper II (O)	GIR 3206
Malayalam Paper II (O)	GIR 3207
Special English Paper II (O)	GIR 3208

## SECOND YEAR

### Semester III

Course	Code
Introduction to International Relations Theory (C)	GIR 3301
World Since 1648 (C)	GIR 3302
Foreign Language Paper III (French) (O)	GIR 3303
Foreign Language Paper III (German) (O)	GIR 3304
English Paper V (C)	GIR 3305
Hindi III (O)	GIR 3306
Malayalam III (O)	GIR 3307
Special English III (O)	GIR 3308

### Semester IV

Course	Code
Introduction to International Political Economy (C)	GIR 3401
Comparative Politics (C)	GIR 3402
Foreign Language Paper IV (French) (O)	GIR 3403
Foreign Language Paper IV (German) (O)	GIR 3404
English Paper VI (C)	GIR 3405
Hindi IV (O)	GIR 3406
Malayalam IV (O)	GIR 3407
Special English IV (O)	GIR 3408

## THIRD YEAR

### Semester V

Course	Code
India's Foreign Policy (C)	GIR 3501
Diplomacy (C)	GIR 3502
Political Geography (C)	GIR 3503
Indian Political System (C)	GIR 3504
UN and World Peace (O)	GIR 3505
Human Rights (O)	GIR 3506
Foreign Language Paper V (French) (O)	GIR 3507
Foreign Language Paper V (German) (O)	GIR 3508

### Semester VI

Course	Code
Introduction to International Law (C)	GIR 3601
International Security (C)	GIR 3602
Foreign Policy and Policy Processes (C)	GIR 3603
Politics of Developing Areas (C)	GIR 3604
India and International Organisations (O)	GIR 3605
Global Migration (O)	GIR 3606
Foreign Language Paper VI (French) (O)	GIR 3607
Foreign Language Paper VI (German) (O)	GIR 3608
Dissertation Work	GIR 3609
Viva-voce	





Aspiring to emerge as a premier center of legal scholarship, CU-Kerala offers a general/flexible LLM program that will cater to the needs of society, government and client. Our faculty of experts with extensive research/ real-world experience is committed to teaching, and our staff is dedicated to serving the needs of all our students. CUK Law Campus is located at Thiruvalla, close to the Thiruvalla court centre that houses Family Court, Sub Court, Munsiff's Court and the Judicial First Class Magistrate Court-enabling students to have a practical interface with the legal system. The High Court of Kerala is only a two hour drive from the Law Campus.

## Law Campus

Department of Law  
LLM course will be offered at the Law campus, Pathanamthitta





## School of Humanities and Social Sciences

Department of Social Work

A group of young people, likely students, are in a wooden boat on a river. They are smiling and interacting with each other. One man in a blue shirt has his arm raised in a celebratory gesture. The background shows lush green trees along the riverbank.

## Department of Social Work

The Department of Social Work aspires to become a centre of excellence in developing social work professionals for promoting justice and empowerment. With a judicious mix of theory and practice, the Department has geared itself to be strong in teaching, research and learning. The Department frequently conducts field trips and workshops to enable students to equip themselves as perfect practitioners in social work so as to identify issues like child abuse, teacher-student relationship, parent-child relationship etc. After the identification of the problem, student trainees are encouraged to think about the intervention plans with the help of agency/faculty supervisors using the knowledge of social work theory. The Department conducted various activities including Blood Donation and Blood Group Determination Camp, awareness programme on Geriatric Problems and Life Style Disease and its Prevention and Control, awareness on the importance of Immunisation and Vaccination, Workshop on Adolescent' Issues, conducted community studies and seminars.



## MSW

Code	Course Title
<b>Semester I</b>	
HMS 5101	Origin, Development and Ideologies of Social Work
HMS 5102	Social Science Concepts for Social Work
HMS 5103	Developmental Psychology
HMS 5104	Integrated Social Work Methods -I
HMS 5111	Field Work and Rural Camp
<b>Semester II</b>	
HMS 5201	Integrated Social Work Methods -II
HMS 5202	Community Mobilisation and Social Action
HMS 5203	Research and Statistical Application for Social Work
HMS 5204	Administration of Human Service Organisations and Corporate Social Responsibility
HMS 5211	Field Work and Block Placement
<b>Semester III</b>	
HMS 5301	Participatory Programme Planning and Management
HMS 5302	Theory and Practice of Counselling
Elective I	Any one from the list approved by the Department
Elective II	Any one from the list approved by the Department
HMS 5311	Field Work and Study Tour
<b>Semester IV</b>	
HMS 5401	Social Policy and Planning
Elective III	Any one from the list approved by the Department
Elective IV	Any one from the list approved by the Department
HMS 5411	Dissertation
HMS 5412	Internship
<b>*ELECTIVE COURSES</b>	
<b>SEMESTER III</b>	
HMS 5001	Community Organisation and Development Practice Development Marginalities and Livelihood Insecurities
HMS 5002	Rural and Tribal Development and Governance
HMS 5003	Medical and Psychiatric Social Work Introduction to Medical and Psychiatry Social Work
HMS 5004	Community Health and Health care Administration
HMS 5005	Family and Child Welfare Social Work practice with Families
HMS 5006	Social Work practice with Children and Youth
HMS 5007	Human Resource Management Introduction to Labour Legislation
HMS 5008	Employee Relations and Labour Welfare
<b>SEMESTER IV</b>	
HMS 5009	Community Organisation and Development Practice Urbanisation and Urban Governance
HMS 5010	Disasters, Conflicts and Development
HMS 5011	Medical and Psychiatric Social Work Medical Social Work Intervention
HMS 5012	Psychiatric Social Work Intervention
HMS 5013	Family and Child Welfare Child rights and child protection
HMS 5014	Women's Rights and Gender Justice
HMS 5015	Human Resource Management
HMS 5016	Organizational Behaviour and Organisational Development

Mohammed Rashid



“ I took up the MA programme in Social Work at CUK with a desire to develop the knowledge, skills and experience needed to work with people who are vulnerable and/or disadvantaged and to work for causes that require public attention and focused informed intervention. The comprehensive course structure provided a theoretical foundation to my knowledge and skill set as a social work professional. Our motivating, Interactive and informed faculty have been excellent role models and their classroom instructions and general intellectual support further strengthened my preparations for NET and played a significant role in enabling me to obtain the prestigious Junior Research Fellowship (JRF). Our study tours, which form an integral part of our curriculum, gave us the invaluable opportunity to witness both the social reality of our nation in places like the Dharavi slum in Mumbai as well as learn firsthand the operations of pioneering social science institutes like TISS (Mumbai) and other related institutes like NIMHANS (Bengaluru). The regular field visits, the annual internships and the numerous activities and events organized by the department enabled us to successfully apply theory to practice while garnering valuable on-field experience. I have recently completed a 6-week internship in BEML Ltd (Bengaluru), a Public Sector undertaking, under the Ministry of Defence, Government of India. ”



## Department of Computer Science

The Department of Computer Science offers M.Sc. in Computer Science with specialisation in Intelligent Systems. The programme is designed to equip the students to meet the requirements of industry, academia, research and for the effective participation in the IT-related professions. The Department aims at providing the students with a strong platform, which enable them to take up research in Intelligent Systems. Students can experience state-of-the-art computing facilities at the

Department. The Department has two labs-General Computing Lab (for general computing requirements) and Signal Processing and Intelligent Systems Lab (for advanced research in Intelligent Systems). Both the labs are equipped with high-end Apple i-Mac and Apple Mac Pro systems. The Intelligent Systems Lab is also equipped with high-end research tools and software like Studio Quality Speech and image data acquisition devices, MatLab and Adobe Audition Cs 5.5. The department also offers Ph.D. programme in Computer Science.

## M.Sc. (Computer Science)

Code	Course Title
<b>SEMESTER I</b>	
CSC511	Computational Mathematics
CSC512	Advanced Data Structures and Algorithms
CSC513	Digital Signal Processing
CSC514	Computer Graphics and Visualization
CSC515	Principles of Intelligent Systems
<b>SEMESTER II</b>	
CSC521	Theory of Formal Languages
CSC522	Image Processing
CSC523	Pattern Recognition
CSC524	Advanced Data Base Management Systems
CSC50X	Elective 1
<b>SEMESTER III</b>	
CSC531	Intelligent Data Mining
CSC532	Advanced Networks
CSC533	High Performance Computing
CSC50X	Elective 2
CSC50X	Elective 3
CSC534	Minor Project
<b>SEMESTER IV</b>	
CSC541	Advances in Intelligent Systems
CSC542	Dissertation
<b>ELECTIVES</b>	
CSC501	Natural Language Processing
CSC502	Knowledge Based Systems
CSC503	Medical Image Processing
CSC504	Digital Speech Processing
CSC505	Fractals and Applications
CSC506	Wavelet Theory and Applications
CSC507	Bio Medical Informatics
CSC508	Wireless Sensor Networks
CSC509	Grid and Cloud Computing
CSC5010	Satellite Image Processing
CSC5011	Video Surveillance Systems
CSC5012	Bio Medical Image Processing
CSC5013	Mathematical and Computational Biology
CSC5014	Bio- Informatics
CSC5015	Chemi-Informatics
CSC5016	Network Security
CSC5017	Agent Oriented Software Engineering
CSC5018	Genomic/Proteomic Signal Processing
CSC5019	Biometrics
CSC5020	Information Retrieval Systems



Being an avid techie with a dream to make it big in the IT sector, an MSc in Computer Science was the obvious next step in my academic pursuits. Like some of the leading Computer Science programmes in India and abroad, the MSc Computer Science programme at CUK offers a specialization in Intelligent Systems which is a major attraction of the course. The department's advanced infrastructure in the form of two labs-the General Computing Lab and the Signal Processing and Intelligent Systems Lab, equipped with all the latest high-end systems and software enables us to be at par with some of the leading computer sciences institutes across the country in terms of research potential and development. The experienced faculty is a constant source of support and inspiration. Their effective classroom instructions and the state-of-the-art technological resources available to the department have together equipped us for productive participation in a host of different sectors including the IT sector, other industries, research and academia.





## Department of Mathematics

The Department offers the M.Sc. programme, which has a unique syllabus that imparts advanced learning through discussions, problem solving sessions, presentations, viva-voce and continuous evaluation methods to motivate the students for self-evaluative research oriented study. A wide range of elective courses are offered for the students to master a variety of interdisciplinary subjects. The faculty members extend their service to supervise research programme (Ph.D. programme).

## M.Sc. (Mathematics)

Code	Course Title
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### Semester I

MSM 511	Real Analysis
MSM 512	Topology
MSM 513	Algebra
MSM 514	Linear Algebra
MSM 515	Differential Equations

### Semester II

MSM 521	Complex Analysis
MSM 522	Measure and Integration
MSM 523	Numerical Analysis
MSM 524	Multivariable Calculus
MSM 525	Discrete Mathematics

### Semester III

MSM 531	Functional Analysis
MSM 532	Number Theory
MSM 533	Integral Transforms
MSM	Elective I
MSM	Elective II

### Semester IV

MSM 541	Dissertation
MSM	Elective III
MSM	Elective IV

### Electives

MSM 501	Generalized Hypergeometric Functions
MSM 502	Probability Theory
MSM 503	G-and H-functions With Applications
MSM 504	Fractional Calculus
MSM 505	Fuzzy Sets and its Applications
MSM 506	Differential Geometry
MSM 507	Operator Theory
MSM 508	Commutative Algebra
MSM 509	Algebraic Topology
MSM 510	Operations Research
MSM 511	Advanced generalized hypergeometric functions



Prajisha

“ I enrolled for the M.Sc. programme in Mathematics at CUK because the interdisciplinary focus of the course structure appealed to me. Apart from being interdisciplinary, the syllabus covers the entire spectrum of Mathematics which has provided me with a thorough grounding in every aspect of the subject. After completing my M.Sc., I recently rejoined the department for the PhD programme, reaffirming my faith in the research prowess of the department and the growing reputation of the university as a seat of innovative learning, teaching and thinking. The distinguished faculty, approachable and encouraging, facilitates learning and independent study through highly stimulating discussions, problem solving sessions and continuous evaluation. The department regularly organizes a variety of events such as workshops and special lectures by national and international visiting scholars, all of which create an increased awareness regarding the wide range of interdisciplinary career prospects in academia, research and industry. Students are also provided a two day UGC/CSIR/NET examination training programme which has been a great source of help for me in qualifying for NET and winning the JRF scholarship (KSCSTE). ”





## Vidyanagar Campus

School of Languages and Comparative Literature  
Department of Comparative Literature  
Department of Hindi  
Department of Linguistics

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School of Professional Studies  
Department of Education

Kannada

Thulu

Engli

LANC

Ma



sh

Hindi

LANGUAGES

Malayalam

## School of Languages and Comparative Literature

Department of Comparative Literature  
Department of Hindi  
Department of Linguistics



## Department of Comparative Literature

The Department of Comparative Literature (DCL) was founded in October 2009 under the School of Languages and Comparative Literature as the first department in the Central University of Kerala and has grown steadily in numbers and in quality since its inception. It started by offering MA (English & Comparative Literature) in 2009, and expanded by offering Integrated MPhil/PhD in 2010 and direct PhD (English & Comparative Literature) in 2012. Heralding CUK's interdisciplinary vision, DCL promotes cross-cultural study of texts, traditions, and discourses. DCL, furnished with air-conditioned multimedia classrooms, and

fully digitized interactive language lab, caters to the academic needs of the student/teaching community. It regularly organises seminars, conferences, invited lectures, extracurricular activities and public interaction events enabling students to interact with scholars in the field and be in touch with the current academic developments. Its pedagogical approach empowers students through discussions, assignments, and innovative teaching methods. A bouquet of diverse elective courses and national and international visiting faculty help students master a

variety of interdisciplinary subjects. It also hosts a number of co-curricular activities coordinated through theatre group, film club, literary club and research forum.

Its MA (English & Comparative Literature) offers a wide range of interdisciplinary courses such as comparative literature, cultural studies, film studies, women's writing, translation studies, contemporary critical theory, lyric mode, dramatic mode, narrative mode, post-colonial studies, Indian aesthetics, academic writing, diaspora studies, semiotics, ELT and so on. This enables students to appear for UGC for both the subjects.

## Department of Comparative Literature

Code	Course Title
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### Semester I

- LCL 5101 Comparative Literature I: Methodology & Perspectives
- LCL 5102 Lyric Mode I: Virgil to Wordsworth
- LCL 5103 Dramatic Mode I: Sophocles to Shaw
- LCL 5104 Critical Transactions: Aristotle to Eliot
- LCL 5105 English Language and Linguistics

### Semester II

- LCL 5201 Comparative Literature II: Theory and Practice
- LCL 5202 Lyric Mode II: Tennyson to Paz
- LCL 5203 Dramatic Mode II: Ibsen to Churchill
- LCL 5204 Theoretical Transactions: Brooks to Greenblatt
- LCL 5205 Narrative Mode I: Cervantes to Dickens

### Semester III

- LCL 5301 Narrative Mode II: Joyce to Lessing
- LCL 5302 Introduction to Cultural Studies
- LCL 5303 Dissertation/Project

### Semester IV

- LCL 5401 Indian Writing in English
- LCL 5402 Aspects of Translatology

### Elective Courses

- LCL 5000 Introduction to Literature
- LCL 5001 Shakespeare
- LCL 5002 Academic Writing
- LCL 5003 Women and Writing
- LCL 5004 English Language Teaching
- LCL 5005 Post Colonial Theory
- LCL 5006 Introduction to Film Studies
- LCL 5007 Modern Indian Drama
- LCL 5008 Introduction to Indian Aesthetics
- LCL 5009 Contours of Modernism
- LCL 5010 Film Theory and Appreciation
- LCL 5011 Edward Said and his Protocols
- LCL 5012 Introduction to Creative Writing
- LCL 5013 Diasporic Discourses
- LCL 5014 Introduction to Sanskrit Language
- LCL 5015 Post Colonial Drama
- LCL 5016 Remediated Theatre
- LCL 5017 Writing for Life
- LCL 5018 Documentary Films
- LCL 5019 Women and Islam



Eldhose A. Y.

“ Being a part of the first cohort of research scholars in the one of the first departments to be set up at CUK, I share a special bond with both the department and the university. My thesis explores the ‘Theatre of Terror and Trauma: Verbatim Theatre and Politics of Performance in the Age of New Millenium Global Conflicts’. The department, with its vibrant faculty who are all pursuing their own independent research areas and an interesting mix of students from every background and every part of the state, have all contributed to lending different perspectives, challenging existing theories and encouraging critical thinking and creative ideas. The success of the department’s work whether in teaching, research and organizing regular activities like workshops, seminars, and conferences has translated into individual academic growth in the form of publications and conference presentations as well as transferable skills like event organization, communicative competence and problem solving skills. Currently, two of my publications with leading international/peer reviewed journals are in press. I have also published my work in several national journals and I have had several opportunities to present my research at various national and international conferences. The encouragement and support of the faculty have been instrumental in availing these opportunities and putting in my best. As I inch towards the final stage of my doctoral research, my 5+ years in the department have prepared me well for a future in academia. ”

## हिन्दि विभाग/ Department of Hindi



केरल केन्द्रीय विश्व विद्यालय का हिन्दी विभाग, भाषा एवं तुलनात्मक साहित्य स्कूल के अंदरगत आता है। विभाग द्वारा हिन्दी एवं तुलनात्मक साहित्यमें स्नातकोत्तर पाठ्यक्रम आयोजित किया जाता है, जो एम.ए (हिन्दी) उपाधि के समतुल्य है। यहाँ हिन्दी भाषा और साहित्यपर अध्यायन होने के साथ-साथ, तुलनात्मक साहित्य संबन्धि विभिन्न अवतारणाओं, महत्वपूर्ण सिद्धांतों तथा मूलार्थ-विचारों के बारे में विद्यार्थियों को गहन प्रशिक्षण बि प्रदान किया जा रहा है। हिन्दी के अलावा भारत और विश्व की अन्य भाषाओं में प्रजलित प्रमुख साहित्यिक आंदोलनों और विभिन्न संगल्पनाओं पर तुलनात्मक अध्यायन यहाँ हो रहा है जो हिन्दी भाषा और साहित्यपर ज्ञान प्राप्त करनेके साथ-साथ, अन्य भाषाओं के साहित्य से भी परिचित होने के लिए विद्यार्थियोंको अवसर प्रदान करता है। साहित्य का अध्यायन तभी अर्थपूर्ण बन जाता है।

## M.A. (Hindi and Comparative Literature)

Code	Course Title
<b>Semester I</b>	
LHC 5101	History of Hindi Literature (till 19 <sup>th</sup> Century)
LHC 5102	Origin and Development of Hindi Language
LHC 5103	Medieval Literature
LHC 5104	Comparative LITERATURE and History
LHC 5105	Indian Literature
<b>Semester II</b>	
LHC 5201	Development of Modern Hindi Literature (post 19 <sup>th</sup> Century)
LHC 5202	Translated Indian Literature
LHC 5203	Translated World Literature
LHC 5204	Indian and Western Literary Theory
LHC 5205	Comparative Literature : Application
<b>Semester III</b>	
LHC 5301	Contemporary Hindi Poetry
LHC 5302	Contemporary Hindi Fiction
LHC 5303	Contemporary Hindi Drama and Theater
LHC 50x	Elective I (Group A)
LHC 50x	Elective II (Group B)
<b>Semester IV</b>	
LHC 5401	Principles of Translation
LHC 5402	Dissertation
LHC 50xx	Elective III (Specialisation)
<b>ELECTIVES (GROUP A &amp; B)</b>	
<b>GROUP A</b>	
LHC 5001	Communication Medium Writing
LHC 5002	Hindi Computing
LHC 5003	Functional Hindi
LHC 5004	Hindi Teaching
<b>GROUP B</b>	
LHC 5005	Dalit Studies
LHC 5006	Women Writing
LHC 5007	Special Author
LHC 5008	Modern Prose Forms in Hindi
LHC 5009	Literary Movements
LHC 5010	Film Studies
LHC 5011	Diaspora Studies
LHC 5012	Adivasis Literature Studies
LHC 5013	Folk Literature

Brinda



“ I consider myself specially privileged to have been a member of the very first batch of MA programme in the Department of Hindi at the Central University of Kerala, Kasaragod. This academic programme is one of the few in the country to focus on Hindi language and literature as well as the theories, methods, and applications of comparative literature in the context of Hindi. Ably supported by the University Administration, our efficient faculty did an amazing job of steering our batch safely through the maze of various teething problems of the university and ensured the successful completion of our course. I have immensely benefited by the exposure the course provided me by way of debates, seminars, academic outings and cultural programmes. I know I am better off today both academically and by experience.

”



## Department of Linguistics

Considering India's astounding linguistic diversity, which provides a rich platform for experimenting language-related theories and principles, the discipline is surprisingly less popular and less known as an area of study in our country than other Humanities and Social Science disciplines.

In recent times, an increasing number of practical applications of the discipline and its interface with Education, Computer Science, Psychology, Sociology, etc have all opened up a wealth of rewarding career opportunities in India and abroad. In keeping with the latest trends in the field and the interdisciplinary vision of our university, the Department of Linguistics at CUK offers a postgraduate programme that combines the conventional general linguistics modules with the

interdisciplinary areas of the discipline like Clinical Linguistics, Translation Studies, Language Teaching and Testing, etc, with a particular emphasis on Language Technology. Natural Language Processing (NLP), mass storage, web delivery technologies are the areas that are rapidly developing and they more relevant for the huge language data and corpus available in India. Language Technology has come to stand at the centre of the empirical research in the language sciences throughout the world.

The course qualifies students to avail a range of job opportunities. Institutions like IITs, IIITs, CIIL, CDACs can be potential avenues for the student to excel. The students can also work in Neurology Institutes, Speech and Hearing Institutes with their training in Clinical

Linguistics, Psycholinguistics etc. Anthropological Survey of India, Archeological Survey of India, Census, Oriental Institutes and several NGOs, are the other areas where the students can find excellent career prospects.

Smart air-conditioned classrooms equipped with projector make teaching interactive and engaging. The students of the second year are offered laptops for academic and personal use. A separate lab with up-to-date infrastructure is proposed and will take shape in the near future. The department's vision for the immediate future also includes research on tribal languages and language documentation.

## M.A. (Linguistics and Language Technology)

Code	Course Title
<b>Semester I</b>	
LLT5101	Foundations of Language and Linguistics
LLT5102	Phonetics
LLT5103	Phonology
LLT5104	Morphology and Lexis
LLT5105	Syntax - I
<b>Semester II</b>	
LLT5201	Semantics
LLT5202	Sociolinguistics
LLT5203	Syntax - II
LLT5204	Historical Linguistics and Language Families of South East Asia
LLT5205	Computational Linguistics - I
<b>Semester III</b>	
LLT5301	Computational Linguistics - II
LLT5302	Corpus Linguistics
LLT5303	Language Teaching Methods
LLT50-	Elective I (Group A) *
LLT50-	Elective II (Group A) *
<b>Semester IV</b>	
LLT5401	Dissertation
LLT5402	Shallow Parsing
LLT50-	Elective I (Group B) *
LLT50-	Elective II (Group B) *
The following courses are elective papers:	
Elective (Group A)	
LLT5001	Psycholinguistics
LLT5002	Translation Studies
LLT5003	Ethnolinguistics
LLT5004	Indian Grammatical Tradition
LLT5005	Historiography of Linguistics
LLT5006	Philosophy of Language
LLT5007	Language of Mass Communication
LLT5008	Semiotics
Elective (Group B)	
LLT5051	Bilingualism
LLT5052	Pidgins-Creoles Studies
LLT5053	Speech Recognition
LLT5054	Clinical Linguistics
LLT5055	Language Testing
LLT5056	Machine Translation (MT)
LLT5057	Discourse Analysis
LLT5058	Computational Lexicography

Meenu Maria  
Alexander



“ When I applied to be a part of the first MA batch of the Department of Linguistics at CUK, Kasaragod, I had no previous exposure to the subject or its relevance. On hindsight, Kasaragod, being the ‘Sapta Bhasha Sangama Bhoomi’, provides the perfect socio-cultural ambience for language-related studies. I also realized very soon that the department, although young, is well equipped both in terms of its accomplished faculty members as well as its technological resources, to enable students to combine their knowledge of theoretical linguistics with the best empirical practices in the field. In keeping with the most recent developments in the discipline, the Linguistics department at CUK is one of the few universities in the country to offer an MA in Linguistics and Language Technology. Although the course was challenging due to the combination of traditionally offered general linguistics modules and computing-related modules, it has opened up a wealth of opportunities for both further study as well as a diverse range of employment options. As I prepare to graduate, my two years at the Linguistics department have proved invaluable in obtaining a summer fellowship at IIT Chennai and in solidifying my research ideas for future study. ”

# Department of Education M.Ed.

The Department of Education, under the School of Professional Studies aims to promote pedagogical research and intends to reform the teacher education Programme. It will take particular steps in shaping the school education, shall strive to enhance the quality of Higher Education and Research. The M.Ed. course is to be offered from 2014 under four streams-Social Science Education, Science Education, Mathematics Education and Language Education.

Environmental Education, Techno-pedagogy integration, curriculum reform and inclusive education will be the focused areas of specialization of this Department.



## M.Ed.

Course Title	Options for Complementary Electives
<b>Semester I</b>	
Theoretical Foundations of Education	Curriculum Development
Applied Educational Psychology	Teacher Education
ICT in Education	Educational Management
Methodology of Educational Research and Statistics	Special Education
Interdisciplinary Elective	Value and Peace Education
<b>Semester II</b>	
Elementary Teacher Education and Contemporary Instructional Practices	Comparative Education
Advance Pedagogical Methods (in Optional Subjects)	Education and Women Empowerment
Complementary Electives (2+2 credits) (one each from Section A and B)	<b>Options for Complementary Electives</b>
Dissertation	<b>Section B</b>
Comprehensive Viva	Educational Evaluation and Test Construction
Internship	Guidance and Counselling
	Environmental Education
	Lifelong Learning & Extension
	Advanced Educational Technology
	Knowledge and Meta Cognitive Learning
	Education for Skill Development



केन्द्रीय विश्वविद्यालय केरल  
CENTRAL UNIVERSITY OF KERALA



## The Science Campus (Transit Campus, Padannakad)

School of Biological Sciences  
Department of Animal Science  
Department of Biochemistry and Molecular Biology  
Department of Genomic Science  
Department of Plant Science

School of Energy, Environment and Earth Sciences  
Department of Environmental Science

School of Mathematical and Physical Sciences  
Department of Chemistry  
Department of Physics





## School of Biological Sciences

Department of Animal Science  
Department of Biochemistry and Molecular Biology  
Department of Genomic Science  
Department of Plant Science



## Department of Animal Science

The Department is one of the pioneer Science departments in the Central University of Kerala, functioning since 2010. The mission of the department is to nurture the research aptitude of our M.Sc. students and to be involved in innovative and needs-based research in the areas of our expertise for the development of society with emphasis on the nature and environment. The Department of Animal Science delivers high quality, relevant education and training programmes for postgraduates and research scholars, which address current debates and potential areas of innovation in the field.

The Department currently offers M.Sc. and M.Phil./Ph.D. programmes in the broad discipline, Animal Science. The M.Sc. Animal

Science is now equated to M.Sc. Zoology by the University of Kerala (Kariavattom). M.Sc. Animal Science is one of the popular courses in the School of Biological Sciences, and we have students from Kerala, Rajasthan, Andhra Pradesh, Jharkhand and Delhi. The faculty members in the department have specialization broadly in Physiology, Reproductive Biology, Genetics, Molecular Biology, Toxicology, Taxonomy, Biodiversity, Community Ecology and Conservation Biology studies. The department has several DST, DBT, UGC and National Geographic-sponsored research projects handled by various faculty members. Currently, the department is offering two popular interdisciplinary elective courses in the School of Biological Sciences, Ecology of

Plant-Animal interaction and Biostatistics apart from the well-balanced core courses. We have a well-equipped laboratory facility, and the department in the current financial year has procured Carbon dioxide incubators, Refrigerated centrifuges, thermomixer, and deep freezers. The department also houses a good museum facility that documents and houses several insect, mollusc and amphibian fauna of the Western Ghats and elsewhere. The department's nature club has begun publishing the nature magazine of the University "Puthumazha" since March 2014. The success of our programme is evident in the success of several of our M.Sc. students who have cleared CSIR, GATE, KSCSTE exams and joined for PhD program in the University and elsewhere.



## M.Sc. (Animal Science)

Code	Course Title
<b>Semester I</b>	
ANS 511	Taxonomy and Biodiversity
ANS 512	Animal Physiology & Biochemistry
ANS 513	Cell Biology & Microbiology
ANS 514	Methods in Field Biology
ANS 515	Methods in Physiology & Biochemistry
	Electives
<b>Semester II</b>	
ANS 521	Wildlife Biology & Conservation Biology
ANS 522	Human Physiology
ANS 523	Neuroendocrinology
ANS 524	Genetics & Molecular Biology
ANS 525	Methods in Genetics and Molecular Biology
	Electives
<b>Semester III</b>	
ANS 531	Animal Behaviour
ANS 532	Developmental Biology
ANS 533	Immunology
ANS 534	General and Applied Entomology
ANS 535	Methods in Developmental Biology & Immunology
<b>Semester IV</b>	
ANS 541	Dissertation
<b>Electives</b>	
ANS 501	Techniques in Biological Research
ANS 502	Biostatistics
ANS 503	Research Methodology and Academic Writing
ANS 504	Bioinformatics
ANS 505	Marine Biodiversity and Conservation
ANS 506	Introduction to Conservation Biology
ANS 507	Ecology of Plant-Animal Interaction



**Prashanth  
Ballullaya**

“ I chose to study Animal Science for mainly two reasons: Firstly, it provides the opportunity to apply my theoretical knowledge to an area of study that coincides with my real life interests. Secondly, I strongly believe that the world and agriculture-based economies like India need more talented animal scientists to add value to the pressing intellectual debates within the larger field of Biological Sciences. Although the department is in its early years, our friendly, well-informed, supportive faculty have left no stone unturned in ensuring we are given the best training in the state-of-the-art laboratory facilities the university has provided for us. Our comprehensive syllabus is yet another highlight of the department. Matchless in its scope and interdisciplinarity, it covers a wide range of topics from Animal physiology, animal behavior, cell biology and microbiology to neuroendocrinology, Genetics and molecular biology and marine biodiversity and conservation. The excellent classroom interactions and lab training sessions. ”





## Department of Biochemistry and Molecular Biology

The Department was established in 2010 with a vision to promote world-class education and research in the area of Biochemistry and Molecular Biology by developing interdisciplinary programmes through a flexible curriculum and to establish itself into a state-of-the-art facility for Biochemistry and Molecular Biology research in the country.

The Department initiated its M.Sc. programme in 2010 and M.Phil./Ph.D. programme in 2011. Many of our previous students have joined premier institutes such as CCMB Hyderabad, Sree Chitra Institute of Medical Sciences, Trivandrum, CUSAT, PCU, IISER, etc. Many students of the Department have also excelled in extracurricular activities. The academic as well as the research activities of the Department got additional momentum by the induction of three regular faculty members in 2011, with excellent exposure at

global level. They steer the current teaching and research activities of the Department to unravel the basic questions in the diverse but complementary areas of biology such as angiogenesis, cell signaling, protein biochemistry and molecular virology. The Department is constantly evolving as an advanced research hub in the areas of basic as well as applied Biochemistry and Molecular Biology.

Currently, the Department houses laboratories equipped with instruments and equipment such as HPLC, Ultracentrifuge, CO<sub>2</sub> incubators, Gradient PCR machines, Gel doc, -80°C freezers, fluorescent and light microscopes, RT-PCR, Multimode Plate Reader FPLC Fluorimeters etc. The merge of instrumental sophistication and intellect would evolve the Department as a full-fledged hub to train young minds and conduct cutting edge research in the modern areas of biochemistry and molecular biology.



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## M.Sc. (Biochemistry and Molecular Biology)

### Code Course Title

#### Semester I

BCM 511	Bio-organic and Biophysical Chemistry
BCM 512	Structural Biology
BCM 513	Cell Biology and Microbiology
BCM 514	Physiological Chemistry
BCM 515	Analytical Biochemistry
XXX-XXX	Elective Course *

#### Semester II

BCM 521	Enzymes
BCM 522	Intermediary Metabolism
BCM 523	Bioenergetics
BCM 524	Molecular Biology
BCM 525	Immunology
	Elective Course *

#### Semester III

BCM 531	Molecular Endocrinology
BCM 532	Biochemical Basis of Diseases
BCM 533	Molecular Diagnostics
BCM 534	Genomics and Proteomics
	Elective Course *

#### Semester IV

BCM 541	Molecular Cell Biology
BCM 542	Dissertation

#### \* Elective Courses offered by the Department

BCM 501	Principles of Genetics
BCM 502	Plant Biochemistry
BCM 503	Bioinformatics
BCM 504	Biostatistics
BCM 505	Metabolic Regulation and Functional Metabolism
BCM 506	Molecular Virology
BCM 507	Tissue Engineering
BCM 508	Molecular Nutrition and Nutrigenomics
BCM 509	Glycobiology
BCM 5010	Recombinant DNA Technology and Transgenesis
BCM 5011	Molecular Neurobiology

Credits for Core Courses - all Semesters

Credits for Elective Courses - all semesters

Total Credits for Core and Elective Courses - all semesters

\*Elective courses offered by the Department may vary and the students may also select elective courses offered by other Departments of the University. Elective courses are not specified for each semester as it is subject to change depending upon the courses offered by various Departments.



Aswini  
Ramachandran

“ I was attracted to the M.Sc programme in Biochemistry and Molecular Biology primarily due to its interdisciplinary focus and flexible curriculum. The department also boasts of an enviable faculty, all of whom have excellent global exposure which has resulted in creating an increased awareness of the latest cutting-edge research developments in the field amongst students. The effective classroom interactions with faculty and peers as well as regular organization of national colloquiums and special lectures by prominent scholars have further cemented my knowledge base, and are all significant factors that enabled me to qualify for NET and obtain the JRF award from KSCSTE, Government of Kerala. Not surprisingly, therefore, I decided to stay on at the department for the integrated research programme. ”





## Department of Genomic Science

The Department of Genomic Science was established in 2010 under the School of Biological Sciences at Riverside Transit Campus, Padannakkad, Kasaragod to promote education in genome sciences and to develop state of the art facility for Genomic research. We currently offer M.Sc. and PhD programmes. The M.Sc Programme is designed to expose the students to wide ranging aspects in the field of Genomics, Proteomics, and Biotechnology to make the students highly skilled in both theory and laboratory applications. Many of our M.Sc, M.Phil alumni have been awarded prestigious

international research fellowships like the Marie Curie Research Fellowship (Ann Rose Bright, 2012 M.Sc batch) and Graduate Research Fellowships at International Universities (Amith S. Maroli, 2012 MPhil batch). They have also had success in national-level competitive exams/ fellowships like NET and JRF. The state-of-the art laboratories in the Department are equipped with advanced equipments like, Genetic Sequence Analyzer (ABI 3500 DNA Sequencer), Gradient PCR's, Nanodrop spectrophotometers, Versa-Doc, 2-D electrophoresis systems, HPLC, UV/VS

Spectrophotometer, Gel Documentation Systems, refrigerated centrifuges, Laminar air flow, incubators, -20oC/-80oC deepfreezes, minor equipments like Electrophoresis, Chromatography, pH meters, Autoclaves, etc to carry out cutting edge research related to Genomics and Proteomics. The department also houses the Bioinformatics Center equipped with various software's essential for genetic analysis and caters to the bioinformatics needs of the School of Biological Sciences.

## M.Sc. (Genomic Science)

Code	Course Title
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### Semester I

- GEN 511 Microbiology and Cell Biology
- GEN 512 Biochemistry
- GEN 513 Genetics
- GEN 514 Molecular Biology
- GEN 515 Lab In Microbiology and Biochemistry

### Semester II

- GEN 521 Molecular Biophysics
- GEN 522 Genomics and Proteomics
- GEN 523 Immunology
- GEN 524 Lab In Molecular Biology and Genetics
- GEN 525 Population Genetics and Genomics

### Semester III

- GEN 531 Development Genetics and Genomics
- GEN 532 Functional Genomics
- GEN 533 Biomedical Genomics
- GEN 534 Genome Diversity
- GEN 535 Genetic Engineering

### Semester IV

- GEN 541 Dissertation

### Elective Courses

- GEN 501 Bioinformatics
- GEN 502 Biostatistics
- GEN 503 Plant Genomics
- GEN 504 Nutrigenomics
- GEN 505 Microbial Genomics
- GEN 506 Pharmacogenomics
- GEN 507 Computer Lab
- GEN 508 Human Genomics & Gene Therapy
- GEN 509 Professional Studies
- GEN 5010 Genomics & Society
- GEN 5011 Systems Biology
- GEN 5012 Systems Biology
- GEN 5013 Metagenomics



Athifa Mariyam

“Joining the M.Sc programme in the Department of Genomic Science at CUK is one of the easiest decisions I have had to ever make. With its award-winning faculty members and the excellent departmental infrastructure characterized by the advanced equipment students have access to; it is a privilege to be part of this pioneering department. The quality of our classroom interactions, lab training sessions and our special lecture series has greatly helped many of my predecessors obtain a number of prestigious international research fellowships in the short span since the department’s establishment and has also helped me qualify for national-level competitive exams like GATE. As I prepare to graduate I am confident that the lessons learnt and the experience gained from studying at the department will stand me in good stead for academic and non-academic career pursuits.”





## Department of Plant Science

The Department of Plant Science was established in 2010 as one of the four departments in the School of Biological Sciences, Central University of Kerala. Prof. (Dr.) G.M. Nair, the former Director of the prestigious Jawaharlal Nehru Tropical Botanical Garden Research Institute (JNTBGRI), Thiruvananthapuram, INDIA and former Professor and Head, Departments of Botany and Biotechnology, University of Kerala, headed the Department since its inception till November, 2013. The Department of Plant Science offers M.Sc. and Ph.D. in Plant Science. The M.Sc. program is designed to encompass both basic and most advanced components in Plant Science. The curriculum is planned in

such a way that the best and the most modern knowledge on the frontier areas of Plant Science is imparted in addition to the well-planned laboratory exercises and hands on training. The department houses facilities for plant transformation, tissue culture, gene expression analysis, advanced microscopy and sophisticated plant growth chambers. There is a well-equipped common library which has a good collection in various topics of biology, including plant science exclusives. The first batch of 14 students passed out in May 2013, and of these 3 was awarded KSCTE fellowship to pursue Ph.D and one student each cleared the GATE and CSIR/UGC-NET.

## M.Sc. (Plant Science)

Code Course Title

### Semester I

BPS 511 Cell and Molecular Biology  
BPS 512 Biochemistry  
BPS 513 Ecology and Environmental Biology  
BPS 514 Biophysics & Instrumentation  
BPS 515 Genetics

### Semester II

BPS 521 Molecular Genetics  
BPS 522 Plant Breeding Methods  
BPS 523 Plant Physiology  
BPS 524 Environments Genetics

### Semester III

BPS 531 Genetic Engineering and Genetically Modified Organisms  
BPS 532 Diversification of Plants  
BPS 533 Plant Genomics

### Semester IV

BPS 541 Taxonomy and Biosystematics  
BPS 542 Dissertation  
BPS 501 Immunology  
BPS 502 Plant Biodiversity and Conservation  
BPS 503 Embryology and Plant Tissue Culture  
BPS 504 Cytogenetics  
BPS 505 Plant and Microbe Interaction  
BPS 506 Biology and Biochemistry of Medicinal Plants  
BPS 507 Developmental Genetics  
BPS 508 Basics of Computer and Information Technology  
BPS 509 IPR, Biosafety and Bioethics  
BPS 510 Bio Statistics



Joyous T Joseph

“ My desire to be part of the intellectual community that addresses the global challenges involved in the production of safe and nutritious food, clothes and energy (among other things) is the main reason why I enrolled for the MSc programme in Plant Science at CUK. The programme offers a well-balanced curriculum that equally prioritizes existing knowledge and methods as well as their effective application and the creation of new innovative ideas with the help of well-designed laboratory resources. Our experienced and committed faculty members constantly make way for intellectually stimulating classroom interactions which have significantly helped many of my peers and I obtain the Kerala State Council for Science, Technology and Environment (KSCSTE) JRF Fellowship and clear the NET. Consequently, I recently joined the PhD programme in the department to work on microbial stress-induced DNA mutations and repair in plants. The department has, therefore, equipped its students well and through the course has opened up a wealth of career opportunities to benefit from, whether in research or industry. ”







## School of Energy, Environment and earth Science

Department of Environmental Sciences



## Department of Environmental Science

The Department of Environmental Science was established in 2012 under the School of Energy, Environment and Earth Sciences. The Department is following a credit based system of academic programme with the following electives: Green Chemistry, Natural Resources and Conservation, Atmospheric Science, Environmental

Economics, Hydrology and Watershed Management, Waste Management and Bioremediation, Oceanography, Wild life Biology and Management, Forestry and Habitat Management and Restoration Ecology. Its first batch of postgraduate students will complete their course by April this year.

## M.Sc. (Environmental Science)

Code	Course Title
<b>SEMESTER - I</b>	
EES 511	Ecology & Environment
EES 512	Environmental Chemistry
EES 513	Environmental Microbiology
EES 514	Environmental Earth Science
EES 515	Practical - I / Field Study
<b>SEMESTER - II</b>	
EES 521	Statistical Methods and Environmental Modelling
EES 522	Environmental Pollution
EES 523	Environmental Management
EES 524	Energy and Environment
EES 525	Practical - II / Field Study
<b>SEMESTER - III</b>	
EES 531	Environmental Engineering
EES 532	Environmental Toxicology And Health Management
EES 533	Natural Hazards And Disaster Management
EES 534	Remote Sensing And Geographical Information System
EES 535	Practical - III
<b>SEMESTER - IV</b>	
EES 541	Dissertation & Viva
<b>ELECTIVE COURSES</b>	
EES 501	Green Chemistry
EES 502	Natural Resources & Conservation
EES 503	Atmospheric Science
EES 504	Environmental Economics
EES 505	Hydrology And Watershed Management
EES 506	Waste Management And Bioremediation
EES 507	Oceanography
EES 508	Wild Life Biology And Management
EES 509	Forestry And Habitat Management
EES 5010	Restoration Ecology
EES 5011	Biostatistics
EES 5012	Emerging Environmental Problems



Habeeb Hassan P C

“ Being a native of Malabar, the unfortunate Endosulphan tragedy in parts of our region had a huge influence on my decision to take up the M.Sc. Programme in Environmental Science at CUK. Despite being one of the newer departments in the University, the challenging academic programme with its topically relevant, up-to-date syllabus and the expertise and enthusiasm of the faculty have ensured that students receive teaching that is fair, consistent with and flexible to individual needs. As the first batch of the department gears up for graduation, we are confident that the structure and implementation of the course have equipped us with the skills necessary to contribute to the conservation and judicious use of natural resources for the benefit of society. ”

# E=mc<sup>2</sup>

$$m_n = 1.6749543 \cdot 10^{-27} \text{ kg}$$

$$V_0 = 2.241 \cdot 10^{-2} \text{ m}^3/\text{mol}$$



## School of Mathematical and Physical Sciences

Department of Chemistry  
Department of Physics



## Department of Chemistry

The Department of Chemistry is the newest addition to the Science Campus of the Central University of Kerala. As the fulcrum of all sciences, Chemistry provides immense scope for study, research and gainful employment.

The first batch of students was admitted to the M. Sc Chemistry programme in 2013. A team of talented faculty has dedicated themselves to provide the students with rigorous instruction and training to enable them acquire specialized analytical skills that equip them for any profession requiring knowledge of chemistry and its applications.

The Department offers excellent opportunities for pursuing the Master's programme and for engaging in doctoral research. Laboratory facilities and infrastructure match the best available elsewhere and include a variety of sophisticated analytical instruments - Atomic Absorption, Fluorescence, FTIR, and UV-VIS spectrophotometers, CHNS Element analyzer, Gas chromatograph, Thermal system, X-ray Powder Diffractometer and the like.

The M.Sc. Chemistry programme aims to provide students with a firm grounding in the theoretical principles besides facilitating the development of analytical dexterity through rigorous hands-on-training on sophisticated analytical instruments. It is a unique programme rendered through application-oriented laboratory exercises designed to enable students acquire the skills essential to pursue successful professional careers in teaching, research or industry, in fields as diverse as medicine to materials, agriculture, environmental management, biotechnology, nano science, etc.

Special Lectures/training sessions by eminent Professors and experts have become a regular feature of the Department. These unique opportunities provide, not merely for academic enrichment, but for sharpening of analytical dexterity and for the development of soft skills aimed to bring out the best in the students/faculty of the Department.

## M.Sc. (Chemistry)

Code	Course Title
<b>Semester I</b>	
CHE 511	Inorganic and Solid State Chemistry
CHE 512	Organic Structure, Reactivity and Mechanism
CHE 513	Symmetry and Group Theory
CHE 514	Quantum Chemistry
CHE 515	Inorganic Chemistry Practical I
CHE 516	Organic Chemistry Practical I Tutorial/Seminar
<b>Semester II</b>	
CHE 521	Coordination Chemistry
CHE 522	Organic Reactions and Synthesis
CHE 523	Thermodynamics, Kinetic Theory & Statistical Mechanics
CHE 524	Spectroscopic Methods
CHE 525	Physical Chemistry Practical I
CHE 526	Instrumental Methods Practical I Tutorial/Seminar
<b>Semester III</b>	
CHE 531	Organo-metallic and Bio-inorganic Chemistry
CHE 532	Organic Spectroscopy and Bio-organic Chemistry
CHE 533	Reaction Dynamics, Surface and Electro-Chemistry
CHE 534	Instrumental Methods of Analysis
CHE 535	Inorganic Chemistry Practical II
CHE 536	Instrumental Methods Practical II
Elective I	Anyone from the list approved by the Department
Elective II	Anyone from the list approved by the Department Tutorial/Seminar
<b>Semester IV</b>	
Elective III	Anyone from the list approved by the Department
Elective IV	Anyone from the list approved by the Department Tutorial/Seminar
CHE 541	Dissertation/Project work
<b>* Elective Courses</b>	
CHE 501	Advanced Magnetic Resonance
CHE 502	Advanced Quantum Chemistry
CHE 503	Chemistry of Biopolymers & Biochemical Reactions
CHE 504	Computational Chemistry
CHE 505	Electro-analytical Techniques
CHE 506	Environmental Chemistry
CHE 507	Green Chemistry
CHE 508	Industrial Catalysis
CHE 509	Inorganic Photochemistry
CHE 5010	Marine Chemistry
CHE 5011	Materials Chemistry
CHE 5012	Nano Chemistry
CHE 5013	Natural Products Chemistry
CHE 5014	Polymer Chemistry
CHE 5015	Reagents and Methods in Organic Synthesis
CHE 5016	Supramolecular Chemistry
CHE 5017	Techniques in Organic Synthesis

\*The Department has the freedom to add, delete, revise or amend the Elective courses and/or their contents/scope at any time in accordance with the availability of facilities/faculty)



Shashikala K.

For a member of the first batch of the newest department at CUK, it has been nothing short of a remarkable debut year. Apart from successfully fulfilling the academic requirements in accordance with the academic calendar, our dedicated and experienced team of teaching faculty and supporting staff has also ensured students are up-to-date with the latest trends in running safer, low-cost/no-cost experiments viz-a-viz the approach of 'Microscale Chemistry'. The department's sophisticated instrumentation facilities deserve special mention as they play a key role in establishing our knowledge base and skill set through application of relevant theoretical principles. In less than a year since the course began, the department has succeeded in organizing a variety of events from teacher training programmes on Microscale Chemistry to a special lecture series for students. I look forward to my final year to further extend the horizons of my knowledge in the subject and the opportunity to carry out a project work under expert supervision.



## Department of Physics

Department of Physics began functioning in 2010 at Riverside Transit Campus, Padannakkad. The thrust areas of the department are theoretical and experimental condensed matter physics, photonics, Nuclear Physics and Nanophysics. The teaching programme and curriculum is designed to shape a scientist in each student and has greater emphasize on developing problem solving skills. The department runs MSc and PhD programmes.

The department has acquired many sophisticated experimental facilities like X-ray diffractometer, vibrating sample magnetometer, LCR meter etc. and has thin film deposition facilities like sputtering unit, spray pyrolysis, silar, spin coater etc. A well equipped computational lab featuring high performance cluster with 64 cores, Apple and DELL workstations and softwares (Matlab, Mathematica, Materials Design with VASP, Gaussian etc). Is functioning. Nuclear lab includes GM counter, Scintillation counter, USB based gamma spectrometer, and the department has collaboration with well established nuclear physics facilities in the country. Modern teaching laboratory with equipments for doing experiments in electronics, optics, solid state physics is also functioning. Students are provided with hands-on training in all these equipments as part of the Dissertation work, and most of the elective courses also have experimental components.



## M.Sc. (Physics)

Code	Course Title
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### Semester I

PHY 511	Classical Mechanics
PHY 512	Electromagnetic Theory and Relativistic Phenomena
PHY 513	Mathematical Physics I
PHY 514	Electronics I
PHY 515	Lab I

### Semester II

PHY 521	Thermodynamics and Statistical Mechanics
PHY 522	Quantum Mechanics I
PHY 523	Mathematical Physics II
PHY 524	Computational Physics
PHY 525	Lab II

### Semester III

PHY 531	Quantum Mechanics II
PHY 532	Atomic and Molecular Spectroscopy (with Lab)
PHY 533	Nuclear and particle Physics (with Lab)
PHY 534	Solid State Physics (with Lab)

### Electives

PHY 541	Dissertation Electives
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Departmental Electives: Advanced computation and simulation, advanced solid state physics, advanced statistical physics, quantum optics, synthesis of materials, materials characterization, nanophotonics, nonlinear dynamics and chaos, plasma physics, computational quantum mechanics, magnetic materials and devices, nuclear reactions, etc.

Emmanuel Tom



“ The Physics postgraduate programme at CUK offers a solid foundation in theoretical as well as the experimental components of various research areas within the subject from Nuclear Physics to Electronics and Photonics (among others). Apart from a thorough academic grounding in the subject, I have also gained several transferable skills thanks to the emphasis of the curriculum and faculty instruction on developing critical thinking, problem solving, numeracy and reasoning skills, all of which have together enabled me to successfully clear competitive exams such as NET and GATE. The dynamic faculty members provide a lively, vibrant ambience in the department and facilitate exchange of new and innovative ideas and hands-on training in advanced specialist equipment. Workshops and training programmes are regularly organized so that students can engage with the most recent, cutting-edge research taking place across the world. The wide exposure we have received during our course has increased our awareness regarding a host of available job opportunities not only in academic institutions but also in government research organizations, various industries like engineering, telecommunications, defence, manufacturing, to name a few. ”



### Amith Maroli inducted into the Honor Society of Phi Kappa Phi

The Honor Society of Phi Kappa Phi announced that Amith Maroli of Clemson, S.C., was initiated into Phi Kappa Phi, the nation's oldest and most selective collegiate honor society for all academic disciplines.

Maroli is among approximately 32,000 students, faculty, professional staff and alumni to be initiated into Phi Kappa Phi each year. Graduate students in the top 10 percent of the number of candidates for graduate degrees may also qualify, as do faculty, professional staff, and alumni

who have achieved scholarly distinction. Founded in 1897 at the University of Maine and headquartered in Baton Rouge, La., Phi Kappa Phi is the nation's oldest and most selective all-discipline honor society.

Amith S. Maroli, M.Phil. student in the Department of Genomic Science has been awarded a Graduate Research Fellowship/ Assistantship for pursuing Ph.D. Clemson University, South Carolina, USA. His Ph.D. work is in the area of Plant metabolomics. Amith was also a recipient of the prestigious CSIR Junior Research Fellowship (JRF).



### Central University of Kerala Student Receives Prestigious Marie Curie Fellowship (2013)

Ann Rose Bright, student in the Department of Genomic Science has been awarded with the Marie Curie Fellowship for pursuing Ph.D. under the International Training Network programme at Nijmegen Centre for Molecular Life Sciences, Radboud University, The Netherlands. Marie Curie Fellowship is a Prestigious International Research Fellowship in Europe and this programme as a part of the Ph.D. offers variety of training programmes in different labs in various countries in Europe brought under the network. Since the competition for this international fellowship is quite intense, this brings tremendous recognition to both Ann Rose Bright and Central University of Kerala.

Ann Rose completed her M.Sc. in Genomic Sciences at Central University of Kerala (2012) and belongs to the first batch of the University. She has five publications to her credit in various peer reviewed international Journals and was the recipient of KSCSTE Junior Research Fellowship (JRF).

## Library

Central University of Kerala has three well-equipped libraries-at Tejaswini Hills, Periyar, at Vidyanagar and at the Riverside transit campus at Padannakad. They act as centres of information for the academic community of the University ensuring fair access to knowledge. Library facilities and services include fully air-conditioned and automated environment, wi-fi network in the University Library at the main campus, free internet access to all, UGC-Infonet, online journal access in the libraries and departments, inter-library loan, video show, reprographic service, article alert, group mail, locker, drinking water facility, and Web OPAC.

### NME-ICT

CUK is part of the National Mission on Education through Information and Communication Technology (NME-ICT) Project. This prestigious project of MHRD is launched to cater to the learning needs of more than 50 crore Indians and to provide a one stop solution to all learning requirements. It visualises the launch of a national movement for content and question generation, provides digital information for faculty empowerment, boosts e-Governance, customises Open Source Tools, and facilitates Content delivery through EduSAT and narrowcasting of TV signals. CUK internet connectivity is a part of this scheme and NME-ICT connection is extended to all faculty, students and office staff. Using this service, all CUK staff and students use Zimbra based open-source official email accounts. Monitoring and distribution of NMEICT is done using open-source Squid based proxy, and uses open-source SARG for report generation. Online journals, accessible through UGC-Infonet, are also made available in the library and the departments through NME-ICT connection.



# Education beyond the walls of classroom

Universities are no more conceived as ivory towers isolated from society and mainstream life. CUK offers an open academic environment beyond the classroom walls to have a direct interface with social, political, environmental and similar issues.

Such an approach proves helpful to nurture a sense of belongingness and commitment in students to the nation, making them competent to provide solutions to the problems that beset the nation, based on their scholastic resources and observation of contemporary realities.





## Student Activities

The character of CU-Kerala is reflected in the vibrant, thriving student body it attracts every year. Every year, the student body organises several activities to mark national and international festivities, to raise awareness on meaningful social issues and also participates in cultural fests and sports competitions across the country representing the university with great pride. Some of the events and activities our students have been involved in over the last academic year are as follows:

Gandhi Jayanthi 2013 was celebrated on 2<sup>nd</sup> October. As part of the celebrations, the students cleaned the premises of the University. Photo exhibitions were held to mark United Nation's Day on 24<sup>th</sup> October 2013 and World Human Rights Day on 10<sup>th</sup> December 2013. Festivals like Onam, Christmas and Eid are all celebrated by the students and staff of the university with equal fervour and enthusiasm every year.

The Central University of Kerala also participated in the 29<sup>th</sup> South Zone Inter University Arts Fest held at Bangalore University named "Yuvajanotsav" 2013-2014 from 19<sup>th</sup>-23<sup>rd</sup> December 2013. The university contingent won various prizes including second prize in sport photography and several A grades for various items.

Students also actively represented the University at the National Sports and Games Meet 2013-14. CU-Kerala's Cricket Team participated in the South Zone competition of the Inter University Cricket Competition held at Pondicherry University, Puducherry from 12<sup>th</sup> till 22<sup>nd</sup> December 2013. The University Badminton team also participated in the Inter University Badminton Competition from 15<sup>th</sup> to 19<sup>th</sup> January 2013 at Manipal University, Manipal. The University Football team participated in the Inter University Football Competition held at M.G. University, Kottayam, from 18<sup>th</sup> to 22<sup>nd</sup> December 2013.



# Fees

GENERAL FEE STRUCTURE (effective from 2014-15 session)		
Item	MA/MSW/MSc Mathematics	MSc
<b>A. Refundable Fee (To be collected at the First Semester)</b>		
1) Caution Deposit for Library	1000	1000
2) Caution Deposit for Lab	0	1000
Sub-Total (A)	1000	2000
<b>B. One Time Fee (To be collected at the First Semester)</b>		
Application Fee (a) General candidates	200	200
(b) SC/ST candidates	100	100
3) Registration Fee	200	200
4) Identity Card Fee	50	50
5) University Development Fund	500	500
6) Department Development Fund	500	500
7) Graduation Fee	100	100
Sub-Total (B) General candidates	1550	1550
SC/ST candidates	1450	1450
<b>C. One Time Fee ( to be Collected at the Final Semester)</b>		
1) Alumni Association Fee	100	100
2) Consolidate Grade Card Fee	100	100
Sub-Total (C)	200	200
<b>D. Other Fee (To be collected annually at Odd Semesters)</b>		
1) Students' Welfare Fund	100	100
2) Magazine Fee	50	50
3) Sports Fee	50	50
4) Medical Examination Fee	50	50
Sub-Total (D)	250	250

<b>E. Semester Fee</b>		
1) Tuition Fee	600	600
2) Examination Fee	250	250
3) Additional Examination fee for Practical Oriented Subjects	0	300
4) Course Registration Fee	100	100
5) Library Fee	250	250
6) Laboratory Fee	0	600
Sub-Total (E)	1200	1200
<b>F. Certificate/Grade Card Fee (to be levied by the Exam Branch)</b>		
1) Migration Fee	300	300
2) Provisional Certificate Fee	150	150
3) Transcript Statement Fee	100	100
4) Duplicate Consolidated Grade Card Fee	100	100
5) Duplicate Semester Grade Card Fee	50	50
6) Degree Certificate Fee (at the time of application/Convocation)	500	500
7) Duplicate Degree Certificate Fee	1000	1000
<b>G. Miscellaneous Fee</b>		
1) Additional/Supplementary exam fee (to be levied by the Exam Branch (per paper)	250	300
2) Fee for opting additional credits (to be collected at the respective Departments at the time of application) (per credit)	30	30

# Scholarships/ Financial Support

Based on the merit in the entrance examination, meritorious students will be awarded scholarship linked to the program of study

Students admitted to the Post Graduate programme will get financial support in the form of merit scholarship or merit-cum-means scholarship as noted below.

1. Merit Scholarship (MS) @ Rs.1500/- per month for the first three positions who scored in the top most positions
2. Merit-cum-Means(MCMS) @ Rs.1250/- per month to not more than 25percent of the students in each PG Programm rounded to the nearest integer, who are ranked just below the first category and whose annual income of parents is less than Rs. 1.5lakh. The continuation of the scholarship depends on attendance and satisfactory performance.
3. Earn while You Learn (EYL) Scholarships: To strengthen the University's activities by ensuring students' participation in all its academic efforts, the university has also constituted the Earn while You Learn (EYL) Scholarships @ Rs. 1500- per month. Students who are awarded this scholarship will also receive a Certificate of Appreciation on the successful completion of the academic programme they are enrolled in. In the last academic year, seven students bagged EYL scholarship. Applications for the EYL scholarships will normally be notified within one month from the time of 1<sup>st</sup> PG admissions. The tenure of the awards will cease on 31<sup>st</sup> March, the last day of the financial year.



# Faculty Profile

## SCHOOL OF BIOLOGICAL SCIENCES

Dean : Dr. A. Thulaseedharan

### Department of Animal Science

HoD: Dr. L. Divya  
divyaal@gmail.com

#### Dr. Divya L.



Dr. Divya took her Ph. D. in Zoology from Kerala University in 2011 and has specialisations in ROS modulation of stress proteins, reproductive biology and secretomics of Caecilan amphibians. She has published 12 papers in journals with high impact factor and presented papers in several national and international journals.

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Dr. H. P. Gurushankara (Assistant Professor)  
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Dr. Sheeja U. M. (Guest Faculty)  
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### Department of Biochemistry and Molecular Biology

HoD: Dr. V.B. Sameer Kumar  
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#### Dr. V. B. Sameer Kumar



Dr. V. B. Sameer Kumar holds M.Sc., M.Phil. and Ph.D. from the University of Kerala. He has done his post-doctoral research at the Weizmann Institute of Science, Israel and Cincinnati Children's Hospital Medical Center, Cincinnati, USA. The major thrust areas of his ongoing research include Angiogenesis and functional analysis of non-coding RNAs.

Dr. Rajendra Pilankatta (Assistant Professor)  
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Dr. Santosh R. Kanade (Assistant Professor)  
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### Department of Genomic Science

HoD: Dr. Ranjith N. Kumavath  
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#### Dr. Ranjith N. Kumavath



Dr. Ranjith N. Kumavath's expertise is in Microbial genomics/Metagenomics, Human Pathogenic Infective Diseases and oncogenomics. He received his Ph.D. in Microbial Biochemistry from the University of Hyderabad and had worked as a Guest Faculty before joining CUK as Assistant Professor. He has published a number of papers in journals of international repute and presented papers in many national/international conferences and had many years of Post- Doctoral training abroad.

Dr. Tony Grace (Assistant Professor)  
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Dr. M. Nagarajan (Assistant Professor)  
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### Department of Plant Science

Dr. A. Thulaseedharan  
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#### Dr. A. Thulaseedharan



Prior to joining the Central University of Kerala, Dr. A. Thulaseedharan was principal scientist and Joint Director (Biotechnology) at Rubber Research Institute of India, Kottayam, Kerala. He has also worked as postdoctoral fellow at Indian Institute of Science, Bangalore and University of Texas at Austin, USA. He has 28 years of research experience in plant molecular biology, genomics, plant tissue culture and plant genetic transformation. He has published around 120 research articles in national/international scientific journals and presented his work at a number of national and international seminars. He has also served as resource person in served as different universities in India.

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## SCHOOL OF ENERGY, ENVIRONMENT AND EARTH SCIENCES

Dean: Prof. (Dr.) Jacob Chacko

### Department of Environmental Science



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## SCHOOL OF GLOBAL STUDIES

Dean: Dr. P. Abdul Kareem

### Department of Economics

HoD: Dr. P. Abdul Kareem  
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Dr. P. Abdul Kareem (M.A., M.Phil., Ph.D.), took his Ph.D. from Institute for Social and Economic Change, Bangalore. He was previously with the Department of Economics, University of Calicut for about 22 years. He has published about 20 research papers in various national/international journals and also authored two books. His areas of interests are International Trade, International Finance and Islamic Economics.

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Dr. Syam Prasad (Assistant Professor)  
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### Department of International Relations

Honorary Professor:  
Ambassador (Retd.) T. P. Sreenivasan,  
Vice-Chairman, Kerala State Higher Education Council



HoD : Dr. Girish Kumar R.  
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Dr. Girish Kumar R.  
Dr. Girish Kumar R., prior to joining the Department, was serving as a faculty member at School of International Relations and Politics, Mahatma Gandhi University, Kerala and Jean Monnet Fellow at European University, Florence, Italy. He served as a Fellow at Sydney Sussex College, was a Visiting Fellow at Centre of International Studies, University of Cambridge, ICSSR Fellow at Indian Law Institute, New Delhi, and Fulbright Fellow at George Washington University Law School, Washington DC, USA. He also serves as the Dean, Centre for International Cooperation.

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## CENTRES OF INNOVATIVE RESEARCH

### Centre for Diaspora Studies

Honorary Chairman:  
Ambassador (Retd.) T. P. Sreenivasan,  
Vice-Chairman, Kerala State Higher Education Council

### Centre for Defence and Security Studies

Honorary Chairman:  
Former Ambassador, Leela Ponnappa,  
Former Deputy National Security Advisor

### Centre for WTO Studies

Honorary Chairman:  
Ernst Ulrich Petersmann, Emeritus Professor,  
European University Institute, Italy

### Centre for Policy Sciences and Regional Planning

Honorary Chairman:  
Shri.K.M. Chandrasekhar,  
Vice Chairman, Kerala State  
Planning Board, Thiruvananthapuram.  
Former Cabinet Secretary,

## SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

Dean : Dr. Girish Kumar R.

### Department of Social Work

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## SCHOOL OF LANGUAGES & COMPARATIVE LITERATURE

Dean : Dr. Joseph Koyippally

### Department of Comparative Literature

HoD: Dr. Joseph Koyippally  
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Dr. Joseph Koyippally



Dr. Joseph Koyippally Joseph (M.A., Ph.D.) was awarded Ph.D. in English from Jawaharlal Nehru University, New Delhi for 'Semiotic Analysis of the Language of the Shakespearean Romances'. He has worked as lecturer in English at Sherubtse College (University of Delhi), Bhutan, Senior Lecturer in English at Jamia Millia Islamia, New Delhi and as Assistant Professor in English at the University of Hail, Saudi Arabia before joining CUK in 2009. He specialises in Semiotics, Shakespeare, Comparative Literature and Diasporic Discourses.

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Dr. Asha. S (Assistant Professor)  
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### Department of Hindi



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### Department of Linguistics



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HoD : Dr. S. Thennarasu  
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Dr. S. Thennarasu



Dr. S. Thennarasu is Head incharge, Department of Linguistics, School of Languages and Comparative Literature. He took his PhD in Applied Linguistics from University of Hyderabad in 2012 and his specializations are Morphology, Corpus Linguistics, Computational Linguistics, and Natural Language Processing (NLP). He has published 2 books and 5 articles in journals and presented papers at several national and international conferences. He worked as Senior Lecturer/JRO in LDC-IL from 2011 to 2013 with Central Institute of Indian Languages (CIIL), Mysore before joining Central University of Kerala as Assistant Professor in Linguistics in the Department of Linguistics.

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Dr. Curiously Bareh  
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## SCHOOL OF MATHEMATICAL AND PHYSICAL SCIENCES

Dean: Prof. (Dr.) Jacob Chacko

### Department of Chemistry

HoD: Prof. (Dr.) Jacob Chacko  
jc@cukerala.edu.in

Dr. Jacob Chacko



Prof. Jacob Chacko, a former Commonwealth Academic Staff Fellow at the University of Wales-UK with over 36 years of rich experience in postgraduate teaching, research and academic administration in a reputed Indian University, took the initiative to establish the Department of Chemistry that now has all essential infrastructure for quality teaching/ research. Prof. Chacko's overseas exposure has given him a clear understanding of the facilities and strengths of reputed international institutions and every effort is being taken to enter into collaborative ventures with such institutions. Extension activities aimed at generating revenue for the Department are also being planned.

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Dr. Ravikumarkanaparathi (Assistant Professor)  
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### Department of Computer Science

HoD: Dr. Abbas. T. P.  
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Dr. Abbas T. P.



Dr. T. P. Abbas did his M.Sc Chemistry and M.C.A from Aligarh Muslim University, Aligarh and PhD (Computer Science) from Vinayaka Mission's University, Selam. His areas of interest include Requirements Engineering, Intelligent Agents and Artificial Intelligence. He has 18 years of teaching experience at the postgraduate level. He undertook a Major Research Project funded by the Kerala State Higher Education Council and a Minor Research Project funded by the UGC.



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### Department of Mathematics

HoD: Sr. (Dr.) Germina K. A.  
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Dr. Germina K. A.

Dr Germina K. A, Head, joined Department of Mathematics, Central University of Kerala on 5, September 2012 on deputation. She supervised twelve Ph. D. thesis and presently six research scholars registered for Ph. D. in her supervision. She has presented papers/delivered invited talks in national/ international conferences /GD/ workshops. She has chaired a session on graph theory and delivered an invited talk at the international Conference on STATISTICS-2011, at Concordia University, Canada. Her current research areas of interest include labeling of graphs, signed graphs, algebraic graph theory, distance colouring of graphs and distances in graphs.

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Mr. Harilal (Guest Faculty)  
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### Department of Physics

HoD: Dr. Vincent Mathew  
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Dr. Vincent Mathew

Dr. Vincent Mathew took his Ph.D. in 1998 from the University of Delhi and is specialised in Condensed Matter Theory, Nano-Optics and Linear and Nonlinear Waves. Before joining the University in 2011, Dr. Vincent worked in reputed institutes, including IIT Kanpur, Delhi University, University of Pecs and Hungary International Center for Theoretical Physics, Italy.

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### SCHOOL OF PROFESSIONAL STUDIES

#### Department of Education

Dr. M.A.Sudhir  
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Dr. M. A. Sudhir

Dr.M.A.Sudhir former Professor of Applied Research, Gandhigram Rural University, has over 30 years of postgraduate teaching and research experience. A specialist in higher education reforms, rural development research and environmental education, he was on the Faculty of Education of North Eastern Hill University and Rajiv Gandhi University, Arunachal Pradesh before joining CUK. He has also worked with Mitraniketan, People's Experiment on Community Education, Vellanad, Kerala and Thakkar Bapa Service Foundation, Bangalore.

Dr. V.K.Jibin

Dr. K.C. Rijumol

Dr.Familia Pangat

Mrs. Sindhu P.G.

### Department of Law

Dr. M. C. Pramodan



Dr. M. C. Pramodan

Dr. M. C. Pramodan Prior to joining CU-Kerala, Dr. Pramodan was serving as Associate Professor at Mahatma Gandhi University, Kottayam. He took LLM and PhD from Cochin University of Science and Technology. His areas of specialisation include Contract Law, Administrative Law and Health Care Law.

## Location

The permanent campus of the Central University of Kerala spans a 310 Acre stretch at Tejaswini Hills Periyar, in Kasaragod, the northernmost district of Kerala state, India. It is located close to River Chandragiri which originates from Chandragupta Vasti in Coorg where the Mauryan Emperor Chandragupta is believed to have spent his last days as a sage. Periyar ('path') has been a major route used by the people in the inlands to go to Bekal port. Pulloor means 'grass land'.

The first phase of constructions at the permanent campus of the Central University of Kerala was completed in November 2013 and currently the entire administrative wing and five academic departments - Social Work, Computer Science, Mathematics, International Relations and Economics are functioning from Tejaswini Hills, Periyar. Apart from this, CUK also functions from two two Transit Campuses in Kasaragod - Vidyannagar Campus at Nayanmarmoola, Kasaragod (School of Languages and Comparative Literature) and the Riverside Transit Campus at Padannakkad (Science Campus).



## How to reach Central University of Kerala

By Air	By Rail	By Road
The nearest airports are Mangalore (170 km), Calicut (278 km), and Kochi (328 km).	Tejaswini Hills: 12 km from Kanhangad Vidyanagar campus : 5 km from Kasaragod Rly. Stn. Padannakkad campus : 5 km from Kanhangad Rly.Stn.	All the tree campuses are located on NH-66 at Tejaswini Hills, Vidyanagar and Padannakkad respectively. They are well-connected by bus from Mangalore and from Kannur.

# Entrance Examination (CUCET)

CUCET 2014 - Important Dates	
Date of commencement of Online Application Form for UG/Integrated Programmes	Saturday, March 1, 2014
Last date for applying for UG/Integrated Programmes (Please note that this date will not be extended under any circumstances)	Tuesday, April 8, 2014
Start of download of Hall Tickets For UG & Integrated Programmes	April 15, 2014
Date of commencement of Online Application Form for PG/RP Integrated Programmes	Monday, March 10, 2014
Last date for applying for PG/RP Integrated Programmes (Please note that this date will not be extended under any circumstances)	Thursday, April 10, 2014
Date of Central Universities Entrance Examination (CUCET) for UG/Integrated Programmes	April 26 & 27, 2014
Date of Central Universities Entrance Examination (CUCET) for Integrated/PG and RP Programmes	May 17th & 18th, 2014
Date of declaration of UG & Integrated Exam Results.	June 2014
Start of download of Hall Tickets For PG/RP Integrated Programmes	May 10, 2014
Date of declaration of PG & RP Integrated Exam Results.	13 June, 2014





## CUCT 2014 FAQ.

### 1. What is CUCET 2014?

CUCET – is “Central Universities Common Entrance Test”. This all-India test is being organized by seven Central Universities together, for admission to about 200 Integrated/ undergraduate, Post-graduate and Research Programmes in these Universities. It provides a single window opportunity to the students to seek admission to about 200 programmes in seven central universities across the country.

### 2. Which are the Seven Central Universities participating in the CUCET – 2014?

These are Central Universities of Haryana, Jammu, Jharkhand, Kashmir, Kerala, Rajasthan and Tamil Nadu .

### 3. Important Dates:

Start of online applications : 01 March 2014

Last date for submission of online applications : 08 April 2014

Last date to accept the fee through Challan in SBI : 09 April 2014 (For online applications made on 08 April 2014)



1. B. A. (International Relations)
2. LLM
3. M.A. (Economics)
4. M.A. (English and Comparative literature)
5. M.A. (Hindi and Comparative Literature)
6. M.A. (International Relations and Political Science)
7. M.A. (Linguistics and Language Technology)
8. MSW
9. M.Sc. (Animal Science)
10. M.Sc. (Biochemistry and Molecular Biology)

11. M.Sc. (Chemistry)
12. M.Sc. (Computer Science)
13. M.Sc. (Environmental Science)
14. M.Sc. (Genomic Science)
15. M.Sc. (Mathematics)
16. M.Sc. (Physics)
17. M.Sc. (Plant Science)

18. M.Ed.\*

\* English Education; Science Education; Mathematics Education; Social Science Education, subject to approval from NCTE.

4. What programmes are offered in these Universities?

Please see the link "Programmes Offered" available on the website for complete list of programmes, intake and eligibility criteria, and the Universities in which these programmes are offered. Also, visit the website of the concerned University.

5. How many programmes can I apply for?

Eligible students can apply for upto 3 (three) options of programmes/courses of his/her choice. But care should be taken to ensure that you apply only for those programmes/courses for which you are eligible. For each of the programme option chosen, the students can also give upto 3 (three) preferences of Universities offering the programme. However, it must be noted that in case there is a clash of timings of tests for more than one options chosen, the candidate will have to decide which test to appear for. No refund will be admissible on this account.



6. How much is the examination fee? Is it different if I apply for more programmes?

The examination fee details are as follows:

Category	Online Application & payment through online/debit/credit card Application fee	Online Application & payment through Challan		
		Application fee	Bank Commission	Total Payment Candidate to deposit in the SBI
General	Rs.500/-for One programme	Rs.500/	Rs.50/-	
OBC	Rs.600 for two programmes	Rs.600/	Rs.50/-	
Candidates	Rs.700 for three programmes	Rs.700/	Rs.50/-	
SC/ST/PWD	Rs.250/-for One programme	Rs.250/	Rs.50/-	
Candidates	Rs.300 for two programmes	Rs.300/	Rs.50/-	
	Rs.350 for three programmes	Rs.350/	Rs.50/-	

For payment through online/debit/credit card no extra charges are to be paid by the candidates, hence, students are advised to resolve to online/debit/credit card mode of payment

7. How will I know that my application has reached you? Online Application: On successful online application submission with online/debit card/credit card successful payment an automated e-mail and SMS will be sent to the mail id & mobile number you have given in the application form. For online application and payment made through "Challan" you may have to wait for 7days and if you do not receive it within 07 days, you may send an email to CUCET email id queries@cucet2014.co.in.





Note:

1. All candidates must note that CUCET-2014 only online applications are accepted.
2. For payment through online/debit/credit card no extra charges are to be paid by the candidates, hence, students are advised to resolve to online/debit/credit card mode of payment

8. What will be the syllabus for the CUCET exam?

For admission to all Integrated/Undergraduate programmes CUCET tests be based on the standard expected at 12th Standard. For postgraduate programmes, the subject related questions will be based on undergraduate / degree level syllabus. For research programmes knowledge at post-graduate level and JRF/NET.

9. What will be the nature of question paper?

The tests for admission to all other programmes will consist of Multiple Choice Questions (MCQs) in two (or more) sections: The first section (35 marks) will deal with language (English) proficiency, general awareness and analytical skills. The second/remaining section(s) will be based on subject domain. The question papers for admission to language programmes will contain questions requiring objective (MCQs) and/or descriptive (short/long) answers.

10. What is the date of Examinations and When the results will be declared?  
The tentative dates are as follows:

Particulars	Date of Examination	Date of Declaration of Result
Undergraduate & Integrated Programmes	26th & 27th April 2014	07th May 2014
Postgraduate & Research Programmes	17th & 18th May 2014	02nd June 2014





11. How the admissions will be given?

Admissions are handled at the level of each of these seven Central Universities, for their respective programs. After the declaration of the CUCET results, the respective Central Universities will declare the counseling/admission schedule and merit list based on the weightage on CUCET score and the other criteria. The common criteria are: 1. Whether you have applied for that particular program in that University as a first choice. (If seats are available, candidates with second and third choices may also be considered). 2. Your ranking in the CUCET for that program (higher the score, better are your chances) 3. Meeting the eligibility criteria prescribed by the University. It may kindly be noted that each University offers admission to the students on merit on the basis of CUCET score and other criteria decided by it. Please see the website of the concerned University for details.

12. What is the tuition fee payable?

Please check the website of the concerned University for details.





Promenade along the pond



Student benches for students



Walkway beneath the department



Student campus driveway



Artistic in landscape



Architectural landscape treatment



Abstract tower tower for



Abstract canopy building



Bicycle parking



Complex buildings using the

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Disclaimer : This prospectus does not purport to be a document containing the rules and regulations of the University. The information contained here in is general in nature and is intended only to serve as a guideline for prospective students. Rules and regulation of the University are issued separately from time to time.



Kasaragod is the land of enchanting beauty and several cultures. It is a place of utmost historical importance; geographically surrounded by Kannur district in the south, Mangalore in the north, Western Ghats in the west and Arabian Sea in the east. The diversity of the physical features results in a corresponding diversity of climate classified as warm, humid and tropical. There are 12 rivers in this district, longest being the Chandragiri river.

Kasaragod is uniquely known for its linguistics culture, one of the rare districts in India which is home to as many as seven different languages - Malayalam, Tulu, Beary Bashe, Kannada, Hindi, Marathi and Konkani as well as many other scriptless spoken languages. Kasaragod is also a famous tourist destination ornamented by fascinating forts, rivers, picturesque hills, and beautiful sandy beaches. The Bekal Fort is the largest and best preserved. It is also the abode of Gods-Anathapuram Lake Temple, Malik Dinar Mosque, Bela Church, to name a few.

Kasaragod is rich in folk-culture, visual arts and festivals. Kalliyattam or Theyyam of Hindus, Makham Uroos of Muslims and Perunnals of Christians, are the famous festivals celebrated in much gaiety. The symphonic melody created by Yakshgana, Buffalo Race, Cock Fight etc. of the Thulanad culture, thrilling along with Poorakkali, Kolkali, Duff Mutt, Oppana etc. enchants the life here.

Kasaragod is the birth place of many famous personalities including poet P. Kunhiraman Nair, renowned artist and sculptor Kanayi Kunjuraman, famous freedom fighter Vidwan P. Kelu Nair, Yakshagana master Uppala Krishanan, etc.

Kasaragod is world renowned for its coir and hand loom industries and Kasaragod Sarees are masterpieces made with high quality yarn using traditional handmade methods.



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