

INFORMATION BULLETIN

2019-2020



UNIVERSITY COLLEGE OF ENGINEERING

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1. COLLEGE AT A GLANCE

1.1 BRIEF HISTORY

The University College of Engineering, Thiruvananthapuram, is a direct undertaking of the revered University of Kerala, with the singular motive of becoming a model institution for technical education within the state and the country. Functioning directly under the University of Kerala automatically qualifies this institution for a close relationship with the vast resources of the University and facilitates prompt response to all its needs.

OUR UNIVERSITY

One of the first 16 Universities in India, the University of Kerala was founded as the University of Travancore in the erstwhile princely state of Travancore (now southern part of Kerala and some neighbouring parts of state of Tamilnadu) in 1937. During the 7 decades since the University of Kerala grew and shrunk physically and transformed itself in many ways. It is difficult to summarise what the Kerala University is in a brief space.

The earliest origins of the University may be traced back to two institutions of modern learning in Kerala, the University College, Thiruvananthapuram and the Trivandrum Observatory. The University College was initially founded as the Maharaja's Free School by Maharaja Swathi Thirunal in 1834, with Mr John Roberts. A Christian Missionary as Headmaster, and soon grew into a college in 1866, affiliated to the Madras University. When the University of Travancore was founded, the Departments of the college became the University Departments, only to switch back again when the transformation to University of Kerala happened in 1957. The University College still retains its connection with the University as an affiliated college. The Trivandrum Observatory was founded in 1838 and had an internationally reputed scientist, John Caldecott FRS as its first Director. It became a part of the Travancore University, but for some time was administered as a independent government institution. It is now the oldest institution under the Kerala University.

The University of Travancore was established in 1937 by a promulgation of the Maharajah of Travancore, Sri Chithira Thirunal Balarama Varma who was also the first Chancellor of the University. Sir C. P Ramaswamy Ayyar, the then Diwan (Prime minister) of the State was the first Vice-Chancellor. He was an eminent scholar and an able administrator. It is said the Government made an unsuccessful attempt to invite Albert Einstein to be the first Vice-Chancellor. The University was modeled after the best Universities of the United Kingdom, and even today retains some of these features. The affiliating system of the University however evolved to be different from the college system in British Universities. The University has over 150 affiliated colleges. The role of the University is in prescribing courses of study and conducting examinations and issuing certificates. The day-to-day administration of these institutions is not under the purview of the University. However, these institutions form a major part of the University. Of these 60 are Arts and Science colleges. There are 2 Law colleges, 1 Engineering College, 9 MBA/MCA Colleges, 37 Teacher Training Colleges, 4 Medical Colleges, 4 Ayurveda colleges, 2 Homeopathy Colleges, one Siddha Medical College, 3 Dental colleges, 10 Nursing Colleges, 4 Pharmacy Colleges, 2 Fine Arts Colleges, and a Music College. The University also has a National College of Physical Education affiliated to it. **The University College of Engineering, Kariavattom which is the only Engineering College affiliated to Kerala University, under the direct management of the university offers B.Tech in Information Technology, Computer Science & Engineering and Electronics & Communication.**

OUR INSTITUTION

The college was established in the year 2000 and is functioning in the Golden Jubilee Complex of the Kerala University in the Kariavattom campus. The institution is fast acquiring a reputation for high quality education and fabulous faculty –student rapport. The college has already benefited greatly from its location, being adjacent to the Technopark, the IT hub of the state. Facilities in the Technopark are open to students for learning and University-Industry interaction takes place regularly.

The University is taking initiatives to impart soft skills like communication skills (verbal and nonverbal) and analytical skills as per industry requirements. The

college functions with the highest order of discipline so that all students are trained to excel in highly professional environments. The students of various departments organize national level technical symposiums. With the students displaying great aptitude for academic, technical, sports and cultural endeavours along with the active support of the University, the College is on the right track to soon becoming one of the finest technical institutions in the country.

VISION

The college functions with the highest order of discipline so that all students are trained to excel in highly professional environments. With the students displaying great aptitude for academic, technical, sporting and cultural endeavours and the continued support of the parent University, the college is on the right track to soon becoming one of the best technical institutions in the state. To serve the state and the nation by graduating professionally talented, broadly educated engineers, conducting high quality research, developing innovative technologies thereby disseminating and preserving technical knowledge.

MISSION

To attract and retain knowledgeable, creative, motivated and highly skilled individuals whose leadership and contributions uphold the college tenets of education, creativity, research and responsible public service. To develop faculty and resources to impart and disseminate knowledge and information to students and also to society that will enhance educational level, which in turn, will contribute to social and economic betterment of society.

2. DEPARTMENTAL PROGRAMMES, FACILITIES AND ACTIVITIES

2.1 ELECTRONICS & COMMUNICATION ENGINEERING

Electronics and communication Engineering Department of University College of engineering came into existence in the year 2000. Within a decade the department was grown from single faculty to twelve at present, having specialization in advanced areas of Electronics and Communication viz neural network, image processing VHDL, microcontroller. So far 13 batches of Technocrats have completed and the alumni span from prestigious national institutions like VSSC and international institutions like Florida. Because of the committed faculty and with sincere students the department could place on record meritorious achievements like first rank in B.Tech Electronics and Communication Engineering in Kerala University Examinations.

Project work of students from this department under the guidance of faculty members will appreciate by the peer group. Final year students are exposed to latest developments in Electronics and communication by doing project works in national institutions of repute.

Name of Degree	Specialization	Full time	Intake
B.Tech	Electronics and Communication	Fulltime	66

The students are being taken for South India study tour to visit related institutions. The faculty takes due care for the overall personality development of the students passing out of the department.

A.COURSE

B FACILITIES

Laboratory

The department has well equipped laboratories, which includes

1. Communication lab

2. Microwave lab
3. Digital Electronics Lab
4. Software lab
5. Electronics Circuits Lab

These well-equipped labs offer hands on training to the students. An excellent lab facility provided by the department has given the greatest contribution towards building this department to a highly reputed and most sought after department of our institution. Steps are further taken to improve the lab facilities, so that it can be best lab among all colleges in Kerala. With its highly potential students community, dedicated and gifted faculty and excellent lab facilities Electronics and Communication Engineering Department has undoubtedly become one of the best among the various departments of Engineering colleges in the state and will be starting the M.Tech programme in the near future.

2.2 COMPUTER SCIENCE AND ENGINEERING

Department of CSE was started in the year 2000 with an intake of 60 students for UG program. The department is offering the required knowledge and skillset to the students with an aim to accomplish a good professional successful career. Department has good interactions and MOUs with technology domain industries. Computer Sciences department is very happy to claim that highly talented students got placed in various multinational companies.

Computer science is one of the important departments which can change the nature and growth of the development of our nation and also the world. CSE department is very proud to publicize that the students are very talented in technical and cultural aspects.

The CSE department feels glad to announce that the extremely gifted students have produced very good results in all University examinations so far. They maintain a steady high class percentage in the University results from the very beginning.

Computer science department conducted seminars and workshops on various contemporary computing technologies. The students are moulded with multi-dimensional skillsets covering all required graduate attributes. More focus has been emphasized on the practical training. One of the advantages of Computer science department is that its faculties and technical lab staff members are well qualified and experienced and can successfully guide the students towards a bright future.

A.COURSES

The department offers B.Tech degree with an intake of 66 for fulltime.

Name of Degree	Specialization	Full time	Intake
B.Tech	Computer Science and Engineering	Fulltime	66

B.FACILITIES

Laboratory

The department has well equipped laboratories, which includes

1. Internet lab
2. System Software lab

2.3 INFORMATION TECHNOLOGY

The Department of Information Technology is one of the best departments of University College of Engineering, Kariavattom that started functioning in 2000. From the beginning itself, the departments has been rayed very high in academic circles. The graduates from this department include many technocrats, researchers and academicians, IRS Officer, IPS Officer etc. The department is honoured to have well qualified and experienced faculty and most students of this department get placement in leading industries or organisations. The faculty of the department consists of 11 Assistant Professors and one Tradesman/Lab Assistant. At present more than 100 students are studying in this department and thirteen

batches of students passed out from this branch bringing academic excellence to the institution. IT Department students are honoured with university examinations first ranks in the year 2004 and 2015.

University college of Engineering conducted a Short Term Training Programme on “Cloud Computing and its Applications in Engineering” sponsored by Alumni Association, PTA and Training and Placement cell. With the help of Electronics and communication Department, Information Technology and Computer Science Department initiated and organised this event a grant success. This event was very effective in empowering the faculties of various Engineering Colleges with the recent Cloud Computing technology.

A. COURSES

The department offers B. Tech degree with an intake of 66 for fulltime.

Name of Degree	Specialization	Full time	Intake
B.Tech	Information Technology	Fulltime	66

B. FACILITIES

Laboratory

The department has well equipped laboratories, which includes

1. Multimedia lab
2. Network lab

The software laboratory is used for conducting laboratory assignments and project work. It has a network of Windows server and nearly 60 nodes. Software's such as ORACLE, JAVA, BORLAND C++ etc are available to the students for practical classes and projects. Network lab contains 10 Routers and 10 switches for the smooth conducting of lab sessions.

Multimedia laboratory is equipped with audio and video processing facilities.

3. PROSPECTUS

3.1 ADMISSION REQUIREMENTS

B.TECH DEGREE COURSE

Candidates who have passed Higher Secondary Examination, Kerala, or Examinations recognized as equivalent thereto, with 50% marks in Mathematics separately, and 50 % marks in Mathematics, Physics and Chemistry put together are eligible for admission. However candidates who have passed Higher Secondary Examination, Kerala, or Examinations recognized as equivalent thereto, with 45% marks in Mathematics, Physics and Chemistry put together are eligible for admission under Management Quota in Private Self Financing Engineering Colleges/ Government Controlled Self Financing Engineering Colleges. In case, the candidate has not studied Chemistry, the marks obtained in Computer Science shall be considered. In case, the candidate has not studied Chemistry and Computer Science, the marks obtained in Biotechnology shall be considered. In case, the candidate has not studied Chemistry, Computer Science and Biotechnology, the marks obtained in Biology shall be considered. The marks as shown in the mark list of the Board of Examination obtained from the respective Higher Secondary Board shall be considered for academic eligibility.

Note: The Vocational Higher Secondary Examination, Kerala, has been recognised as equivalent to the Higher Secondary Examination, Kerala. Candidates who have appeared for the Higher Secondary or equivalent examination will be permitted to take the Entrance Examinations provisionally. The candidates should have appeared for the qualifying examination before taking the Entrance Examination.

3.2 TOTAL SEATS

Sl.No	Branch Name	Br.Code	Total seat	Merit seat	Mgmnt.seat	NRI seat
1	Electronics & Communication Engineering	ECE	63	33	30	3
2	Computer Science And Engineering	CSE	63	33	30	3
3	Information Technology	IT	63	33	30	3

3.3 FEE STRUCTURE

Merit Seat

Fee Type	Amount	Remark
Tuition Fee	35000	Remitted at SBT Branches at the time of Allotment by CEE
Admission Fee	150	
Affiliation Fee	500	
Special Fee	1200	
Caution Deposit	1000	
PTA	6000	
CGPU	1000	

Management Seat

Fee Type	Amount	Remark
Tuition Fee	65000	Remitted at SBT Branches at the time of Allotment by CEE
Admission Fee	150	
Affiliation Fee	500	
Special Fee	1200	
Caution Deposit	5000	
PTA	8500	
CGPU	1000	

NRI Seat

Fee Type	Amount	Remark
Tuition Fee	100000	By way of DD in favour of the Finance Officer, University of Kerala
Admission Fee	150	
Affiliation Fee	500	
Special Fee	1200	
Caution Deposit	10000	
PTA	12000	
CGPU	1000	
Refundable Deposit	1.25 lakh	

3.4 GROUP ADVISORY SYSTEM

Immediately after admission to the college, each student will be assigned to a faculty member called the Staff Advisor for that batch, who will open a student file for personal and academic details. The student and his parent can have frequent interaction with the Staff Advisor. After the release of result of each examination, the details will be recorded in the student file. The Staff Advisor will record any outstanding performance, or disciplinary action, misbehaviour etc. in the student file.

3.5 ATTENDANCE AND LEAVE REGULATIONS

Students are expected to attend all classes without fail. If for unavoidable reasons, leave of absence is required, permission from competent authority should be sought as given hereunder.

- a) Applications for ordinary leave should be submitted to the Staff Advisor concerned who is competent to sanction leave up to a maximum of 3 days at a time. For periods beyond 3 days at a time, the Head of department will be the sanctioning authority. Application for ordinary leave will not be considered under any circumstances if submitted 7 days after the date of return from leave.

- b) Students may apply to the Head of Department through the Advisor for leave on medical grounds, within 10 working days after returning from leave. A medical certificate should invariably be attached with the application. Records of medical leave sanctioned should be kept by the students. In the event of a student falling short of attendance at the end of a semester, condonation of shortage of attendance will be recommended if he/she produces records to show that leave applied for have been granted in time.
- c) Students are eligible for duty leave if they perform a certain kind of duty for the college Duty leave can be recommended by faculty members who are authorised to do so.

Duty leave application should be submitted to the Staff Advisor preferably before performing the duties. The records of duty leave sanctioned should be shown to the respective staff members and got it entered in the attendance register. This must be done before the end of the semester. The respective Advisor also must be informed about the duty leave granted before the end of the semester.

The duty is limited to a maximum of 10% of the number of working days in a semester. However, in exceptional cases, (for eg, representing the university or state in Athletic events etc) prior permission of the principal should be obtained to get duty leave in excess of 10%. Students who do not satisfy the attendance requirements as per University regulations will not be presented for the University Examinations.

3.6 SCHOLARSHIPS, STIPENDS AND AWARDS

E-GRANTZ:

e-grantz is web based solutions for the timely disbursement of educational assistance to all the post matric students of SC, ST, OBC as well as economically weaker sections of society in Kerala. It provides provision for making online application, processing and sanction of educational assistance. This project benefited 3 lakhs students across 3463 educational institutions across the state and has brought transparency and accountability in the system.

SCHEME OF ‘MERIT CUM MEANS BASED SCHOLARSHIP’ FOR STUDENTS BELONGING TO THE MINORITY COMMUNITIES:

The objective of the Scheme is to provide financial assistance to the poor and meritorious students belonging to minority communities to enable them to pursue professional and technical courses. These scholarships are available for studies in India only and will be awarded through State Government/UT Administration or an Agency designated by the State Government/UT Administration for this purpose.

CENTRAL SECTOR SCHOLARSHIP

The objective of the scheme is to provide financial assistance to meritorious students from poor families to meet a part of their day-to-day expenses while pursuing higher studies.

DCE SCHOLARSHIP: The government of Kerala has announced the DCE Scholarship 2016 for the outstanding student of outstanding performance in the education sector as well as to the student of socially and economically backward categories.

3.7 DISCIPLINE, CONDUCT AND BEHAVIOUR

1. All students should be properly and neatly dressed.
2. The behaviour of the students, both within and outside the college premises should be decent and befitting to a professional institution.
3. The students shall move silently when proceeding from one class to another so as not to disturb classes at work.
4. No students shall leave the class before the class is dispersed without the permission of the teacher in charge of the class.
5. Hanging out in the hallways during class hours, even when classes are not in session is not permitted.

6. Students are prohibited from organizing or attending meetings in the college, disturbing notices and collecting money for any purpose, without the permission of the Principal.
7. Students shall wear their identity cards around their neck so as to clearly display their identity within the campus and may be required to surrender them on demand by authorities.
8. Smoking is strictly prohibited anywhere on the campus premises.
9. Consumption or possession of alcoholic beverages and any form of substance abuse is strictly prohibited and will be severely dealt with.
10. Any student
 - Who is persistently insubordinate,
 - Who is habitually irregular in attendance or inattentive to his work in the classes,
 - Who is repeatedly or wilfully mischievous, or obscene in words or act,
 - Who is guilty of fraud or malpractices at examinations,
 - Who indulges in ragging junior students will be liable to be punished according to the decision of the College Council.
11. Students must work quietly while in library or spend time in such a way as not to cause any interference with the work of others.
12. Scribbling or etching on drawing boards and desks, writing on the walls etc. are strictly prohibited.
13. Students are prohibited from displacing articles or furniture from their places in the classrooms or laboratories.
14. Under any circumstance no student or staff or any one from outside is permitted to enter the classroom while classes are going on without the permission of the staff member concerned.

3.8 WORKING HOURS

Class time	:	9.00 am to 4.00 pm
College office	:	9.30 am to 4.30 pm
Library	:	9.00 am to 4.00 pm

3.9 COLLEGE COUNCIL

The College Council consists of the Principal, the Heads of Departments in Charge, PTA Secretary, Assistant Registrar and Section Officer .The Principal is the Ex-officio president of the council.

3.10 COLLEGE UNION

The College has a student's union, the objective of which shall be:

- a) To train the students of the College in the duties, responsibilities and rights of citizenship.
- b) To promote opportunities for the development of character, leadership, efficiency, knowledge and spirit of service among the students.
- c) To encourage sports, arts and other cultural, educational and recreational activities that are incidental and conducive to the above objectives.
- d) To work for the general welfare of the student community.

The term of the college union is generally one year from the date from which the College union assumes offices or till the date of the elections to the College union in the subsequent year. The College Union members include the Principal of the college as its Patron, Prof. Arun B I. as the staff advisor and elected student representatives.

4.REGULATIONS

4.1.1. Conditions for Admission

Candidates for admission to the B. Tech degree course (Part Time) shall be required to have passed Diploma in Engineering awarded by the Board of Technical Education, Kerala or an examination recognized as equivalent thereto after undergoing an institutional course of at least three years securing a minimum of 50 % marks in the final diploma examination subject to the usual concessions allowed for backward classes and other communities as specified from time to time. At the time of applying, the candidate should be in permanent professional employment and should have at least two years of professional experience. In the absence of candidates with two years of experience, candidates with one year experience may be considered.

4.1.2. Duration of the course

- (i) The course for the B. Tech Degree shall extend over a period of four academic years comprising of eight semesters. Each semester shall cover the groups of subjects as given in the curriculum and scheme of examination.
- (ii) Each semester shall ordinarily comprise of not less than 310 working periods each of one hour duration.
- (iii) A student who could not complete the programme and pass all the examinations within ten (10) years since first admission to the B. Tech programme will not be allowed to continue and he/she has to quit the programme.

4.1.3. Eligibility for the Degree

Candidates for admission to the degree of Bachelor of Technology shall be required to have undergone the prescribed course of study in an institution maintained by or affiliated to the University of Kerala for a period of not less than four academic years and to have passed all the examinations specified in the Restructured scheme for Part Time course.

4.1.4. Subjects of Study

The subjects of study shall be in accordance with the scheme and syllabi prescribed.

4.1.5. Evaluation

Candidates in each semester will be evaluated both by continuous assessment and end semester University examination. The individual maximum marks allotted for continuous assessment and University examination for each subject is as prescribed by the scheme of study.

4.1.5.1 Continuous Assessment (CA)

The marks awarded for the continuous assessment will be on the basis of the day-to-day work, periodic tests (minimum two in a semester) and assignments (minimum two). The faculty member concerned will do the continuous assessment for each semester. The CA marks for the individual subjects shall be computed by giving weightage to the following parameters unless otherwise specified in the syllabus:

Subject	Attendance	Tests	Assignments/ Class Work
Theory Subjects	20%	50%	30%
Drawing	20%	40%	40%
Practical	20%	40%	40%
Project Work	(a) Work assessed by Guide – 50%		
	(b) Assessed by a three member committee out of which one member is the guide – 50%		

The CA marks for the attendance (20%) for each theory, practical and drawing shall be awarded in full, only if the candidate has secured 90% attendance or above in the subject. If a student has attendance for a subject below 90%, reduction in the marks for the attendance shall be made proportionally. The CA marks obtained by the student for all subjects in a semester is to be published at least 5 days before the commencement of the University examinations. Anomalies if any may be scrutinized by the department committee. The final CA marks endorsed by the respective students, teachers, Professor in charge of Part Time degree course and Principal shall be forwarded to the university within the stipulated time.

4.1.5.2. End Semester University Examinations

- i) There will be University examinations at the end of every semester in subjects as prescribed under the respective scheme of examinations. Semester classes shall be completed at least ten working days before the commencement of the University examination.
- ii) Students of the part time course have to study the core subject of the respective branch in the combined I and II semesters, and all the subjects of Semesters III to VIII of the respective branch in the B Tech 2013 Scheme, grouped and restructured into eight semesters. The course code in the restructured scheme will indicate the corresponding course in the regular B Tech 2013 Scheme and syllabus. For each semester, the students have to register for all the subjects prescribed in the restructured scheme.
- iii) The examination will be held for all the semesters twice in a year –
March/April/May session and September/October/November session.
- iv) A student will be permitted to appear for the university examination only if he/she satisfies the following requirements:
 - a) A student must secure not less than 75% attendance, in the total number of working periods during the first year and in each semester thereafter and shall be physically present in at least 50% of total working periods for each subject.

- b) He/she must earn a progress certificate from the Head of the institution of having satisfactorily completed the course of study in the semester as prescribed by these regulations.
- c) It shall be open to the Vice-Chancellor to grant condonation for shortage of attendance on the recommendation of the Head of the institution in accordance with the following norms:
 - 1) The student shall be physically present for a minimum of 60% of the total working periods including duty leave sanctioned by the institution.
 - 2) The student shall be physically present in at least 50% of total working periods for each subject.
 - 3) The shortage shall not be condoned more than twice during the entire course.
 - 4) The condonation shall be granted subject to the rules and procedures prescribed by the university from time to time.
- v)
 - a) A student can register for VI semester University examination only if he/she has passed fully the combined first and second semester examination.
 - b) A student can register for VII semester University examination only if he/she has passed fully III semester examination.
 - c) A student can register for VIII semester University examination only if he/she has passed fully IV semester examination.
 - d) Students will be getting four chances to appear for each examination (first appearance + three supplementary chances) to clear the above condition for promotion. As this is an academic prerequisite, no exemption should be granted in this case.

- e) A student who is not permitted to appear for the University examinations for a particular semester due to the shortage of attendance and not permitted condonation by the authorities for shortage of attendance shall repeat the semester at the earliest opportunity offered to him/her. This provision is allowed only once for a semester. However prior permission from the University should be obtained before readmitting the student to the respective semester
- vi) A student who does not register for the university examination of a particular semester will not be eligible to enroll for next higher semester.
- vii) The university will conduct examinations for all subjects (Theory, Drawing & Practical).
- viii) The scheme of valuation for theory/drawing subjects will be decided by the respective chief examiner based on the discussions with the additional examiners. Any discrepancy in question paper shall be reported to the Chairman of Board of Studies/ Controller of Examination and the recommendation received shall be incorporated in the scheme of valuation. The scheme of valuation shall be submitted along with the mark list to the Controller of Examinations.
- ix) For practical examinations, the Chairman, Board of examination will prepare the scheme of valuation as per the guidelines given in the syllabus for the practical subject and give necessary instruction to the examiners. The student shall produce the certified record of the work done in the laboratory during the examination.

4.1.6. Letter Grades

- i) For each subject in a semester, a letter grade (S, A⁺, A, B⁺, B, C⁺, C, D, E and F) will be awarded, based on the total marks obtained by the student in the University examination and Continuous assessment put together.

- ii) Letter grade corresponding to total marks (C.A marks+ University Exam mark) and the corresponding grade point in a ten-point scale is described below.

% of Total marks (C.A marks + University Exam mark)	Letter Grade	Grade Point (GP)	Remarks
90 % and above	S	10.0	
85 % and above but less than 90%	A ⁺	9.0	
80 % and above but less than 85%	A	8.5	
75 % and above but less than 80%	B ⁺	8.0	
70 % and above but less than 75%	B	7.5	
65 % and above but less than 70%	C ⁺	7.0	
60 % and above but less than 65%	C	6.5	
55 % and above but less than 60%	D	6.0	
50 % and above but less than 55%	E	5.5	
Below 50% (C.A + U.E) or below 40 % for U.E only	F	0	Failed

- iii) Letter grade ‘F’ will be awarded to the student for a subject if either his/her mark for the University examination is below 40 % or the total mark (C.A marks + University Exam mark) is below 50 %.
- iv) For subject with no university examination, Letter grade ‘F’ will be awarded if CA marks is below 50%.
- v) Both absolute mark and Grade will be indicated in the grade card.

4.1.7. Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA)

- i) Grade point average is the semester wise average points obtained by the student in a 10-point scale. GPA for a particular semester is calculated as shown below:

$$\text{GPA} = \frac{\Sigma \text{Credit} \times \text{GP obtained for the subject}}{\Sigma \text{Credit for the subject}}$$

- ii) Cumulative Grade point Average (CGPA) is the average grade points obtained by the student till the end of any particular semester. CGPA is calculated in a 10-point scale as shown below.

$$\text{GPA} = \frac{\Sigma \text{Credits for semester GP obtained for the semester}}{\Sigma \text{Credit for the semester}}$$

- iii) GPA and CGPA shall be rounded to two decimal points.
- iv) The Grade card issued to the students shall contain subject number and subject name, credits for the subject, absolute marks and letter grades obtained, and GPA for the semester.
- v) For all successful candidates, in the Grade card of VIII semester, in addition to the grade for the semester, the consolidated grade statement for lower semesters and CGPA shall be provided.

4.1.8. Minimum for a pass

- i) A candidate shall be declared to have passed a semester examination in full if he/she secures a GPA of 5.5 or above with 'E' grade or above for the all individual subjects in that semester.
- ii) A candidate shall be declared to have passed in an individual subject of a semester examination if he/she secures grade 'E' or above.
- iii) A candidate who does not secure a full pass in a semester examination as per clause
- 8.(i) above will have to pass in all the subjects of the semester examination as per clause 8.(ii) above, before he is declared to have passed in that semester examination in full.

4.1.9. Improvement of Grades

- i) A candidate shall be allowed to re-appear for a maximum of two subjects of a semester examination in order to improve the marks and hence the grades already obtained subject to the following conditions:
 - a) The candidate shall be permitted to improve the examination only along with next available chance.
 - b) The candidate shall not be allowed to appear for an improvement examination for the subjects of the VIII semester.
 - c) The grades obtained by the candidate for each subject in the improvement chance he has appeared for or the already existing grades – whichever is better will be reckoned as the grades secured.
- ii) A candidate shall be allowed to repeat the subjects in one or more semesters in order to better the CA marks obtained already, provided:
 - a) He/she shall repeat all the subjects in a particular semester.
 - b) This provision is allowed only once for a semester and that too at the earliest opportunity offered to him/her, along with the immediate succeeding batch.
 - c) A student enrolled for a higher semester is not permitted to repeat a lower semester.
 - d) He/she shall not be allowed to better the CA marks obtained already in any semester if he has already passed that semester examination in full.
 - e) The CA marks obtained by the repetition of the course work will be considered for all purposes
- iii) A candidate shall be allowed to withdraw from the whole examination of a semester in accordance with the rules for cancellation of examination of the University of Kerala.

4.1.10. Classification of Successful candidates

- i) A candidate who qualifies for the degree passing all the subjects of the eight semesters within five academic years (ten consecutive semesters after the commencement of the course of study) and secures not less than CGPA of 8 up to and including eighth semester shall be declared to have passed the B. Tech degree examination in FIRST CLASS WITH DISTINCTION.
- ii) A candidate who qualifies for the degree passing all the subjects of the eight semesters within five academic years (ten consecutive semesters after the commencement of his/her course of study) and secures less than CGPA of 8, but not less than CGPA of 6.5 up to and including eighth semester shall be declared to have passed the B. Tech degree examination in FIRST CLASS.
- iii) All other successful candidates shall be declared to have passed the B. Tech Degree examination in SECOND CLASS.
- iv) Students admitted through Part Time scheme shall not qualify for ranking.

4.1.11. Industrial Visits

The students shall undertake at least four industrial/technical visits and submit the industrial visit report in the VIII semester for evaluation.

4.1.12. Revision of Regulations

The university may from time to time revise, amend or change the regulations, curriculum, scheme of examinations and syllabi. These changes unless specified otherwise, will have effect from the beginning of the academic year / semester following the notification of the University.

5.FACILITIES

4.1 LIBRARY

The college library boasts of a copious assemblage of technical books and subscribes to a wide range of leading journals and magazines. Our students are getting the added benefit of National/International Journals through net facilities of the University Campus, Kariavattom. This burgeoning collection is one of the largest among the established technical institutions in the State Capital. Our Library is computerized in housekeeping operations. It is the first automated library among the various Engineering College Libraries in Kerala.

4.2 CENTRAL WIFI FACILITY

Central wifi Facility is available for both Students and staff inside the campus.

4.3 CARRER GUIDANCE AND PLACEMENT UNIT

The Career Guidance & Placement Unit (CGPU) of the college is working as a team under the leadership of the Coordinator, the Committee Members of each Department and a batch of dedicated students. The students of the college are getting regular placements in many multinational companies like TCS, IBM, INFOSYS, UST GLOBAL, WIPRO, IBS, SPERIDIAN, CTS etc.

The CGPU sends the College brochure to the selected companies inviting them for Campus Recruitment. The Companies may inform the CGPU, the details of their requirement for recruitment. The Unit will provide all necessary facilities required for briefing, pre-placement talks, conducting written tests, group discussions and interview.

The Unit helps students in arranging vacation training and project work in Industries. This acts as an Industry-Institute linkage for conducting personality development and technical seminars for students. The Unit also provides soft skill training prior to the campus recruitment process. This initiates steps for getting placement in industries

RANK DETAILS

SL. NO.	NAME OF STUDENT	BRANCH	YEAR	RANK
1	MR.VINEETH R PILLAI	IT	2004	1
2	MR. DEEBU U S	CS	2005	1
3	MR. HARI SANKAR S	CS	2005	2
4	MS. DIVYA U S	EC	2007	1
5	MR. SARTHAK GUPTA	CS	2008	1
6	MS. ASWATHY S	CS	2013	2
7	MR. KARTHIK R	IT	2015	1
8	MR. ANEESH A S	EC	2015	8

4.4 UCKAA (UNIVERSITY COLLEGE OF ENGINEERING ALUMNI ASSOCIATION)

UCKAA is formed in 2004 with the aim of establishing rapport with former students and to have common programmes which will be mutually beneficial. Now around 2000 of our former students are life members of the association. Instituting awards in curricular and extracurricular activities has been one of the major activities of UCKAA. Alumni celebration is carried out every year which gives a forum to meet alumni members.

4.5 PARENT TEACHER ASSOCIATION

The Parents Teachers association of the University College of Engineering, Karyavattom functioning based on the draft bye-law formulated by the University of Kerala. Accordingly the day to day activities of the PTA is guided and controlled by the Executive. If any bye-law amendment is needed it can be discussed and finalized and forward to the university for the approval.

The objects of the association are to support, development, improvement and promotion of the University College of Engineering, Kerala and the income and the property of the PTA shall be applied solely to those objects.

6.AMENITIES

6.1 COLLEGE BUS

The Institute operates College buses that will be available for staff and students. Following are the routes through which the buses are operating:

- 1) A 7.30 am EastFort-Attakulangara-Killipalam-Karamana-Poojappura-
Jagathy-Vazhuthacadu-Panavila-Thampanoor-SHC-PMG-
Pattom-Kesavadasapuram-Ulloor-Kariavattom

- 2) B 7.40 am Vellayambalam-Sasthamangalam-Maruthamkuzhi-
Vattiyoorkavu-Mannamoola-Peroorkada-Kowdiar-
Vellayambalam-Palayam-General Hospital-Pattoor-Pettah-
Chakkai-Infosys-Technopark-Kazhakootam-Kariavattom.

The college bus can be used only by those who hold the bus pass. Buses are also available for special purpose for students and staff.

6.2 CO-OPERATIVE SOCIETY

To cater the needs of the students and employees of the college, a co-operative society is functioning inside the campus which includes office equipments, consumables etc .A Xerox machine and STD telephone booth are also available to facilitate the need of students and staff.

6.3 CANTEEN

The college canteen is functioning under a governing committee consisting of PRINCIPAL and representatives from teaching faculty.

6.4 POST OFFICE AND BANK

A post office is functioning with in the campus with its working hours between 9 and 5 pm.A branch of State Bank of India is functioning just in front of the campus with its working hours between 10am and 5pm.Transaction hours is between 10.00 am-2.00pm and 2.30 pm-3.30 pm.

6.5 HEALTH CENTER

A team includes doctors , nurses and health workers works to provide health care to students and staffs inside the campus.

MEMBERS OF STAFF

PRINCIPAL

Sl No	Name of faculty	Designation	Contact Number	Mail Id
1	Dr. Bisharathu Beevu	Principal	919496102279 +918078993898	bishabdul@gmail.com

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Sl No.	Name of Faculty	Qualification	Phone Number	E-mail
1	Divya D T	M.E	9656468540	divyadt@gmail.com
2	Minu J Mohan	M.E	9746081192	minu_mohan1986@yahoo.co.in
3	Suma C S	M.E	8893609354	sumamcek@gmail.com
4	Syam Sasankan	M.E	9846332974	syamicim@yahoo.com
5	Drishya S S	M.E	9447324434	drishyass@gmail.com
6	Sumisha M S	M.E	9995142426	ms.sumisha@yahoo.com
7	Manu V Kumar	M.Tech	903743209	manu44u@gmail.com
8	Rekhamole G	M.E	9446403380	rekhs@gmail.com
9	Nimmy Thomas	M.E	9633935474	nimmythomas8@gmail.com
10	Nimmy Kokila	M.Tech	9995430421	nandusnim@gmail.com
11	Gargy G	M.Tech	9447121380	gargygopinathan@gmail.com
12	Shijida Shain	M.E	9447402201	shiji.shain@gmail.com
13	Raji Mol V	M.E	974453267	rajimolv08@gmail.com

DEPARTMENT OF INFORMATION TECHNOLOGY

Sl No.	Name of Faculty	Qualification	Phone Number	E-mail
1	Saina A R	M.E	9447218206	saina_ar@rediffmail.com
2	Sangeetha S Nair	M.E	94471251125	mail2sangz@gmail.com
3	Anupama Sathyan	M.E	828182981	anupamasathyan@yahoo.co.in
4	Krishna J S	M.E	8139870344	skrishna87@gmail.com
5	Sabeena A S	M.E	9946559271	sabeena_as@yahoo.com
6	Reshma R	M.E	9633390513	reshmadevu.37@gmail.com
7	Arun B.I.	M.E	9037119776	arunbiuce@gmail.com
8	Salu Lakshman	M.E	9846622882	shalulekshman@gmail.com

9	Diana Mathew	M.Tech	9895668907	mathewd2@gmail.com
10	Meharuniza Nazeem	M.Tech	8129990007	mehrin08@gmail.com

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Sl No.	Name of Faculty	Qualification	Phone Number	E-mail
1	Indusalini G	M.Tech	9388011160	induanilk@gmail.com
2	Kannan S	M.E	9946096677	kannan248@gmail.com
3	Rohini P S	M.E	9446171357	rohini.rajeshlr@gmail.com
4	Anu Antony	M.E	9447930157	anu_roogus@yahoo.co.in
5	Anila Soman	M.E	9847692599	anilalechu@gmail.com
6	Haseena Beegum	M.E	9746314331	haseenasaujath@gmail.com
7	Sajitha Rani G L	M.E	9497852427	sajithaprem2001@yahoo.com
8	Aswathy V	M.E	9846835893	aswathysumi@gmail.com
9	Al Sameera B N	M.E	9744085781	nabash.sameera@gmail.com
10	Vidhya S	M.Tech	8281867712	vidhu67@gmail.com
11	Simi Charly	M.Tech	9526092490	simicharlie@gmail.com
12	Anu S Ram	M.Tech	9495954838	anusram31@gmail.com

DEPARTMENT OF CIVIL ENGINEERING

Sl No	Name of faculty	Designation	Qualification	Contact Number	Mail Id
1	Bhanu S Nair	Assistant Professor	M.E.	9895911465	bhanuaneesh36@gmail.com
2	Sruthi G S	Assistant Professor	M.Tech	9037379345	sruthigs23@gmail.com

DEPARTMENT OF MATHEMATICS

Sl No	Name of faculty	Designation	Qualification	Contact Number	Mail Id
1	Sivasankar S Nair	Assistant Professor	CSIR-UGC NET, MSc		harimandiram@gmail.com
3	Shiny A Moses	Assistant Professor	MSc B.Ed	9495541174	shiny.a.moses@gmail.com

DEPARTMENT OF MECHANICAL ENGINEERING

Sl No	Name of faculty	Designation	Qualification	Contact Number	Mail Id
2	G.S.Aiswarya Thankachi	Assistant Professor	M.Tech	854795102	<u>gsaiswarya@gmail.com</u>

DEPARTMENT OF PHYSICS

Sl No	Name of faculty	Designation	Qualification	Contact Number	Mail Id
1	Priyamvada K.C	Assistant Professor	MSc B.Ed, SET	9446040825	<u>priyamvadakunju@yahoo.com</u>

DEPARTMENT OF ELECTRICAL ENGINEERING

Sl No	Name of faculty	Designation	Qualification	Contact Number	Mail Id
1	Meera S	Assistant Professor	M.Tech	9400493526	<u>meerasunee@gmail.com</u>

2	Khadira Safar	Assistant Professor	M.Tech	8301832814	khadirasafar009@gmail.com
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DEPARTMENT OF CHEMISTRY

Sl No	Name of faculty	Designation	Qualification	Contact Number	Mail Id
1	Soumya S.Rajan	Assistant Professor	CSIR-UGC NET, MSc	8086517258	soumyarajan2812@gmail.com

LIBRARY STAFF

Sl No	Name of faculty	Designation	Contact Number	Mail Id
1	Dr.Asha B	Assistant Librarian	9495102042	Ashaaravindakshan67@gmail.com
2	Shyma V	Library Assistant	9744503780	Shyma82devan@gmail.com

NON-TEACHING STAFF

WORKSHOP

Sl No	Name of faculty	Designation	Contact Number	Mail Id
1	Aravind A	Tradesman - Carpenter	8281145450	aravindkallyani@gmail.com
2	Shibu Kumar G L	Tradesman - Sheet Metal	9447145100	
3	Valsala Kumari K S	Tradesman - Foundry	9496395554	
4	Biju R	Tradesman - Plumbing	9496394782	
5	Abhijith S	Lab Assistant	9995377453	abhijushus@gmail.com

COMPUTER SCIENCE AND IT

Sl No	Name of faculty	Designation	Contact Number	Mail Id
1	Sajith Kumari L	Tradesman/ Lab Assistant	9400426387	sajitharajagopal@gmail.com
2	Asha K S	Tradesman /Lab Assistant	9496252692,	asha_harichandanam@rediffmail.com

4	Seena R S	Tradesman/ Lab Assistant	9142331313	seenuvinurs@gmail.com
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ELECTRONICS AND COMMUNICATION

Sl No	Name of faculty	Designation	Contact Number	Mail Id
1	Biju Paul	Instructor	9447116047	
2	Radhakrishnan D	Tradesman/Lab Assistant	9495406015	radhakrishnand@yahoo.com
3	Noel Joe Boy	Tradesman/Lab Assistant	9895113587	
4	Saju S D	Tradesman/Lab Assistant	9847204194	sajudivakar@yahoo.co.in
5	Sreeraj S	Tradesman/Lab Assistant	9961260387	sreerajsattungal@rediffmail.com
6	Sreejith S N	Tradesman/Lab Assistant	9633312443	sree074470@gmail.com

ANTI-RAGGING NOTICE

What Constitutes Ragging?

Ragging constitutes one or more of any of the following acts:

- a. Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student.
- b. Indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student.
- c. Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student.
- d. Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher.
- e. Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
- f. Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students
- g. Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
- h. Any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from

actively or passively participating in the discomfiture to fresher or any other student.

- i. Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher.

National Anti-Ragging Helpline
Phone No :- 18001805522
Email-Helpline@Antiragging.In



**RAGGING IN ANY
FORM IS
PUNISHABLE**