

INFORMATION BULLETIN 2019-20



COLLEGE OF ENGINEERING PERUMON

(Under the Co-operative Academy of Professional Education, Estd. by Govt. of Kerala)

Programmes Accredited by NBA* & An IAO 9001-2015 Certified Institution

*UG Electrical and Electronics EngG, Electronics and Communication Engg. Accredited by NBA till 2021

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Information Bulletin

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VISION

An institution of global stature to excel in technical education, research and development for moulding engineers to lead competitive professional environment.

MISSION

To mould quality engineers by providing them with fundamental knowledge, analytical skills, creativity, innovation, integrity and ethics to suit the needs of society.

To prepare engineers globally competent in technical and leadership skills to solve increasingly challenging technological problem for the betterment of the community.

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during 2010 by the then Honorable Chief Minister of Kerala. College of Engineering Pathanapuram started in the year 2011, College of Engineering Aranmula in 2014 and College of Engineering Muttathara in Thiruvananthapuram city started in 2016. The Inaguration ceremony of College of Engineering Muttathara was done by the Hon'ble Chief Minister of Kerala, Shri.Oommen Chandy on 16.02.2016.

Excellence is the watchword in all our endeavors and our staff and students strive for attaining it through hard work, perseverance and dedication.

Official Website of CAPE : www.capekerala.org or www.capekerala.com

1.1 COLLEGE AT A GLANCE

1.1.1 Introduction

College of Engineering Perumon, Kollam is one of the Government sponsored self-financing engineering colleges managed by the Co-operative Academy of Professional Education Kerala (CAPE Kerala) Society which was established by the Govt. of Kerala. Started in the academic year 2000-2001, the college now offers the following UG and PG courses in various discipline.

A. Four Year B.Tech UG courses in

1. Electronics and Communication Engineering (90 Seats)
2. Electrical and Electronics Engineering (60 Seats)
3. Computer Science and Engineering (60 Seats)
4. Information Technology (30 Seats)
5. Mechanical Engineering (60 Seats)

B. Two Year M.Tech course in

6. Computer and Information Science (18 seats)

The college is affiliated to the Kerala Technological University (KTU) and is approved by the All India Council for Technical Education (AICTE), Delhi. It is under the administrative control of CAPE Kerala. Prof. (Dr.) F.V. Albin was the first Principal, followed by Prof. (Dr.) K.S.Ramakrishnan and Prof. (Dr.) Shaji Senadhipan. The present Principal is Prof. (Dr.) Z.A. Zoya.

1.1.2. Location

The college is located in a vast area on the banks of Ashtamudi lake with a picturesque and serene ambience place at Perumon, in Panayam Panchayath in Kollam District. The college is about 12 km from the K.S.R.T.C Kollam bus stand and 13 km from the Kollam Railway junction. The nearest airport is Trivandrum international air-port, about 78 km from the college.

1.1.3. Brief History

This college was established on 25 acres of the land donated by the Govt.of Kerala. The foundation stone was laid in 2000 by Sri. E.K.Nayanar, then Chief Minister of Kerala. Initially the college was functioning in temporary buildings at Kundara. Within two years, construction of the buildings was completed and regular work was shifted to the present campus. The former Minister for Co-operation, Sri.M.V.Raghavan inaugurated the college buildings in Feb, 2004. The buildings now have total built up area of about 13500 sqm. About 1400 students and 120 staff are there in the roll now.

1.1.4 TEQIP - Phase II

Technical Education Quality Improvement Programme (TEQIP) was envisaged in 2003 as a

long-term programme of about 10-12 years duration to be implemented in 3 phases for transformation of the Technical Education system.

The first phase of TEQIP commenced in March 2003 and ended in March 2009, covering 127 institutions (in 13 states), in which 5 institutions were from our state. To continue the development activities initiated through TEQIP-I, a sequel project is planned as TEQIP-II. The project duration was for four years.

Our college has been selected for the implementation of the Technical Education Quality Improvement Programme (TEQIP - Phase II), a centrally sponsored scheme under the MHRD, Govt. of India. A grant-in-aid to a maximum of 10 crores will be granted to this institute to implement this programme which spans over 2011-15 for strengthening the institution to improve the quality of the educational outcomes. The grant is born by the central and state Governments in the proportion 3:1

The project will focus on the following objectives :

- ◆ Strengthening institutions to produce high quality Engineers for better employability,
- ◆ Scaling-up Postgraduate Education and demand - driven Research & Development and Innovation.
- ◆ Establishing Centers of Excellence for focused applicable research
- ◆ Training of faculty for effective Teaching, and
- ◆ Enhancing Institutional and System Management effectiveness.

1.1.5 ISO Certification

College of Engineering Perumon has attained recognition of ISO 9001:2015 certification from the Integrated Quality Certification Ltd. ISO 9001:2015 is a standard that sets out the requirements for a quality management system. It helps organizations to be more efficient and improve customer satisfaction. The ISO certification will give a better acceptance of the institution among the industry fraternity both for industry – institute collaboration as well as for placements.

1.1.6 NBA Accreditation

The National Board of Accreditation (NBA) has given accreditation for the B.Tech programmes in Electronics & Communication Engineering and Electrical & electronics Engineering for the academic years 2018-19 to 2020-21. Our college is one among the few colleges in Kerala that has been accredited by AICTE National Board of Accreditation.

The purpose of the accreditation by NBA is to promote and recognize excellence in technical education in colleges and universities—at both the undergraduate and postgraduate levels. Institutions, students, employers, and the public at large all benefit from the external verification of quality provided through the NBA accreditation process. They also benefit from the process of continuous quality improvement that is encouraged by the NBA's developmental approach to promote excellence in technical education.

The National Board of Accreditation (NBA), India was initially established by AICTE (All India Council of Technical Education) under section 10(u) of AICTE act, in the year 1994, for periodic evaluations of technical institutions & programs basis according to specified norms and standards as recommended by AICTE council. In 2014 it was granted a full membership status in the Washington Accord The University Grants Commission (UGC) provides financial assistance to eligible colleges which are included under Section 2(f)* of UGC Act, 1956 as per approved pattern of assistance under various schemes.

The National Board of Accreditation (NBA) is the Apex body constituted for quality assurance of technical institutions of India. The NBA is equally concerned with assessing and assuring the quality of various constituent elements of the technical institutions, such as academic ambience, teaching learning process, students' performance, infrastructure, financial resources,

physical resources, human resources, placements, supporting systems like library resources, computational resources and avenues to develop the students' personality and learning capacities.

Benefits to Students:

Students studying in NBA accredited Institutions can be assured that they will receive education which is a balance between high academic quality and professional relevance and that the needs of the corporate world are well integrated into programmes, activities and processes. It signifies that he has entered the portals of an Institution, which has the essential and desirable features of quality professional education.

Benefits to institution:

Accreditation is market-driven and has an international focus. It assesses the characteristics of an Institution and its programmes against a set of criteria established by National Board of Accreditation. NBA's key objective is to contribute to the significant improvement of the Institutions involved in the accreditation process. Accreditation process quantifies the strengths, weaknesses in the processes adopted by the Institution and provides directions and opportunities for future growth.

Benefits to Employers:

Accreditation assures prospective employers that students come from a programme where the content and quality have been evaluated, satisfying established standards. It also signifies that the students passing out have acquired competence based on well established technical inputs.

Benefits to Public :

Accredited status represents the commitment of the programme and the Institution to quality and continuous improvement.

1.1.6 Our Achievements

Our college is said to flourish when the faculty and students produce outputs that are visible. We honor the achievements, who have excelled in their attempt and we are extremely proud of their success. We creates learning and working environments that encourage you to reach your potential and discover your unique purpose.

- ◆ College of Engineering Perumon is an ISO 9001-2015 Certified Institution.
- ◆ Received Best Performance Award by MVR foundation, Kannur
- ◆ Applied for NBA accreditation
- ◆ 11th leading Institution in Kollam
- ◆ 15 University Ranks in CUSAT B.Tech Examination 2017
- ◆ 19th Position in KTU out of 150 colleges in Kerala
- ◆ One among the 19 TEQIP-II funded institutions out of 150 engineering colleges in Kerala
- ◆ Our students secured more than 50 University Ranks hitherto
- ◆ Consistent grabbing of ranks for the past two years, 10 Ranks in 2016 and 15 Ranks in 2017
- ◆ Secured 4 Ranks for M.Tech (CUSAT) Including the First Rank
- ◆ Excellent and consistent academic performance
- ◆ An institution organising International, National Conferences and Technical Expo regularly
- ◆ Good Placement Records
- ◆ Well established Institute Industry Interaction Cell (IIIC).
- ◆ Good number of research publications

- ◆ Active participation of faculty members and students in conferences
- ◆ A number of R&D projects and consultancy services for the betterment of the society.
- ◆ College of Engineering Perumon has signed MoUs with companies like C-DAC, KEL etc.
- ◆ Nodal centre for Pradhan Mantri Kaushal Vikas Yojana (PMKVY).
- ◆ In the NPTEL online certification exam 75 students appeared, we have five course toppers and our students bagged one Gold & 39 Elite medals.

2. PROSPECTUS

2.1. Mode of Admission and Eligibility Conditions

Out of the total seats available 50% seats are under the state quota and 45% are under the management quota and the remaining 5 % are under the NRI quota. For all the categories of seats the various fees are fixed by the Govt. and for the state quota seats the fees fixed is same as that in Govt. Engineering Colleges / comparable to that in Govt. Engineering Colleges. To the state quota and the management quota the students are admitted by the Commissioner of Entrance Examinations (CEE) based on the rank obtained in the entrance test and observing all reservation norms as applicable to the Govt. Engineering Colleges. In the case of NRI seats the students are admitted based on the marks obtained in the qualifying examination. This college is the choice of top rank holders in the CEE.

Eligibility for admission is as per the rules and regulations of the Commissioner of the Entrance Examinations, which are stipulated by the Govt. of Kerala, and as per the course regulations of the Kerala Technological University (KTU). The eligibility criteria are included in section 6.1.

2.2. College Development Council

The general administration of the college is by the Principal subject to the control of the Director, CAPE. The members of the college staff also participate in the general administrative work of the college as per the directions and under the supervision of the Principal. The College Development Council is the supporting body to the Principal in the general administration of the college and is empowered to consider the report on any matter concerning accommodation, courses of instruction, rules of discipline etc. referred to it by the Principal. However, the council shall not interfere in any manner with the general administration of the college, which is invested with the Principal. The College Development Council consists of the Principal as the chairman and the following staff as members.

1. All Heads of the Departments (ECE, EEE, CSE, IT, ME, Applied Science, CE/Projects).
2. Senior-most faculty member next to the Head from the main engineering departments (ECE, EEE, CSE, IT & ME).
3. Staff member in charge of the College Union
4. Convenor of the Students Grievance Redressal Cell.
5. Administrative officer.
6. Secretary, PTA.
7. Representative from the non-teaching staff, other than the office staff.

2.3. Advisory System

A staff member will be assigned to each class of students as their Class Advisor. The Class Advisor will maintain a dossier of personal details of all the students under him/her and will guide the students in all curricular, co-curricular, and extra curricular activities during their entire course.

First year Co-ordinator

Name : Dr. Bindu S.J. - Assoc. Prof.(EEE) 9847831272

Mr. Shamnad M. - Asst. Prof.(ME) 9495805914

Class	Name of Class Advisor	Ph. No:
S1S2 CS	Soumya T.	9446178245
	Ameera Beegom J.	9605238271
S1S2 EC	Ajith A.	9995295599
	Jesna K.	9446361878
S1S2 EE	Santhosh Raj R.	9497621339
	Jasmi M.S.	9497361252
S1S2 ME	Suneer K.S.	9446639190
	Haseena Beegum	9495358601
S1S2 IT	Sidhik A.	9995448313
S1S2 M.Tech	Sujarani M.S.	9445918218

2.4. Academic Software

College uses an Academic Software for recording Academic Activities. The webportal id is www.webyourcampus.in/CEPRN/public/home. Parents can monitor the academic data of their ward through the login username and password provided for them. The academic data includes attendance, internal marks, assignment marks, university marks etc. Parents shall contact respective class advisors / tutors for getting username and password, and also in case any difficulty in logging in the software. Teachers enter the attendance of students immediately after engaging a period. Also the marks of internal exams, assignments etc. are entered after evaluation, so that parents can view them through their login. From this semester onwards attendance, marks etc. of students will be send as SMS to parents. Parents are advised to contact Class advisors / tutors in case they do not get the SMS properly.

2.5. Students Council

The college has a Student's Union, an elected body from the students with the office bearers in various posts. Its objectives are

- To enable the students in effective delivering of duties, taking responsibilities and observing the rights of citizenship.
- To promote opportunities for the development of character, leadership, efficiency, knowledge and spirit of service among the students.
- To encourage sports, arts and other cultural, educational and recreational activities that are incidental and conducive to the above objectives.
- To work for the general welfare of the student community.

The term of the council is generally for one year from the date from which it assumes office or till the date of declaration of the elections to the council in the subsequent year. The college also has sectional associations in each department.

2.6. Fees B.Tech

S.I. No	Items of Fees	Govt. Quota	Management Quota	NRI	SC/ST OEC
1	Tuition Fee	35000	65000	100000	35000
2	Admission Fees (one time)	250	250	250	250
3	Establishment Fees	2000	2000	2000	-
4	Students Activity Fund	1000	1000	1000	1000
5	Caution Deposit (one time)	5000	5000	5000	5000
6	KTU Administration Fees	1000	1000	1000	1000
7	Library & Laboratory Fees	2000	2000	2000	-
8	University Exam Fee (per sem)	1700	1700	1700	1700
9	Uty. Affiliation fee (one time)	4500	4500	4500	4500
10	Arts & Sports fee	500	500	500	500
11	PTA	3000	3000	3000	3000
12	ID Card & Academic Software	350	350	350	350
13	Co-Operative Society	55	55	55	55
14	Placement Cell	1000	1000	1000	1000
15	Bus Fund (One time)	3000	3000	3000	-

M.Tech

S.I. No	Items of Fees	Govt. Quota	Sponsored Quota
1	Tuition Fee	12000	20000
2	Admission Fees (one time)	250	250
3	Establishment Fees	2000	2000
4	Students Activity Fund	1000	1000
5	Caution Deposit (one time)	5000	5000
6	KTU Administration Fees	1000	1000
7	Library & Laboratory Fees	2000	2000
8	University Exam Fee (per sem)	1700	1700
9	Uty. Affiliation fee (one time)	4500	4500
10	Arts & Sports fee	500	500
11	PTA	3000	3000
12	ID Card & Academic Software	350	350
13	Co-Operative Society	55	55
14	Placement Cell	1000	1000
15	Bus Fund (One time)	3000	3000

2.7. Discipline, Conduct and Behaviour

1. All students should follow the uniform dress code of the college inside the campus. Dress properly and neatly, befitting to an engineering student.(sec 2.12 for dress code)
2. Behavior of the students, both within and outside the college premises should be decent and befitting to a professional institution.
3. The student should move silently when proceeding from one class without disturbing classes at work.
4. No student shall leave the class before the class is dispersed or without the permission of the teacher-in-charge of the class.
5. Students are prohibited from organizing or attending meetings on the college campus, distributing notices and collecting money for any purpose without the prior permission of the Principal.
6. Any student,
 - who is persistently insubordinate,
 - who is habitually irregular in attendance or inattentive to his work in the class
 - who is repeatedly or willfully mischievous, or obscene in word or act,
 - who is guilty of malpractice at examinations and
 - who indulges in movements which lead to communal ill feelings or enmity will be punished according to the recommendations of the college council.
7. Students should observe strict silence in library and internet lab. They should not make any disturbance to others.
8. Scribbling or etching on drawing boards, desks and writing on the wall are strictly prohibited.
9. Students should not misplace articles, furniture or books in the classrooms, laboratories or library.
10. Under any circumstance, no student or staff or outsider is permitted to enter the classroom while classes are going on, without the permission of the staff member concerned.
11. Any type of ragging, teasing, torturing, or misbehavior to any student is strictly prohibited. Legal actions will be taken against those students who are found guilty of ragging as per the pre-vailing laws and directions of Honourable Courts.
The code of conduct of students stipulated by the Kerala Technological University is given under the section 6.6.23.

2.8. Anti-Ragging Committee

Definition of Ragging

“Any disorderly conduct whether by words spoken or written or by an act which has effect of teasing, treating or handling with rudeness any other student, indulging in rowdy or indisciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in a fresher or a junior student or asking the students to do any act or perform something which such student will not do in the ordinary course and which has the effect of causing or generating a scene of shame or embarrassment so as to adversely affect the physique or psyche of a fresher or junior student.”

An anti-ragging committee has been constituted in the college for preventing ragging on the campus, as per the orders of the Hon. Supreme Court vide order Slp(c) Nos-24296-24299/2004 dated 16-5-2007 and the subsequent guide lines issued by the University.

2.9. Prohibitions

1. Organizational politics in any form is banned on the campus subject to the orders of the Honourable High Court and the University guidelines.
Similarly, the following are also banned inside the campus.
2. Smoking,
3. use of alcohol and other intoxicant materials,

4. use of vehicles
5. use of plastics
6. use of mobile phone

2.10. Class Timings

Monday to Thursday:

- 1st Period 09.10 - 10.10 am
 2nd Period 10.10 - 11.10 am
 3rd Period 11.20 - 12.15 pm

Break

- 4th Period 01.00 - 02.00 pm
 5th Period 02.00 - 03.00 pm
 6th Period 03.10 - 04.05 pm

Friday:

- 1st Period 09.10 - 10.00 am
 2nd Period 10.00 - 10.50 am
 3rd Period 11.00 - 11.50 am
 4th Period 11.50 - 12.40 pm

Break

- 5th Period 02.10 - 03.10 pm
 6th Period 03.10 - 04.05 pm

2.11. Scholarships and Stipends

The students belonging to SC/ST/OEC and SEBC category are eligible for fee concession/ stipend lump sum grant etc. as per the norms stipulated by the Govt. of Kerala.

Types of Scholarship

- (i) MCM - Minority Cum Merit Scholarship
- (ii) Fisherman Scholarship
- (iii) Central Sector Scholarship
- (iv) Merit cum Means Scholarship
- (v) C.H. Muhammed Koya Scholarship
- (vi) AICTE Tuition Fee Waiver Scheme
- (vii) Stipend for SC/ST candidate
- (viii) E.K. Nayanar CAPE Scholarship
- (IX) E-Grants
- (x) Pragata - Girls Students
- (xi) Indian Oil Corporation Scholarship
- (xii) CRPF & Assam Rifles/RPF-PM Scholarship

2.12. Dress Code

All students must wear the uniform and identity card strictly. It is cream colour shirt and ash colour pants for boys, cream colour top and ash colour bot-tom for girls. In workshop and machines laboratories they should wear dark blue overcoats and closed shoes. Chappals and other fashion footwears are not allowed there.

2.13. Identity Card

An identity card with photograph will be issued to all students. Students should wear the same when they are on the campus and must produce the same for inspection.

2.14. International Conference on Future Technology in Engineering

(ICFTE-2016)

ICFTE'16 was the First International Conference organized by College of Engineering Perumon held at Hotel Raviz, Kollam on 24th – 26th, October, 2016. The conference brought together over 350 professionals to share their ideas, knowledge, and experience and to learn from one another the future technological development. The conference was organized on the theme Sustainable Engineering and Design with the motivation to share innovative, simulating discussion and exchange of knowledge so that together we can envisage the future of an innovative India. This conference was a catalyst for strengthening the relationship with the International, National and Corporate on the transfer of innovative technology.

ICFTE'16 had 4 Keynote addresses by Dr. Prahalad Veddakapat, (Associate Professor, NUS, Singapore), Er. Sugadan Vasudevan (Head, Precision and Welding, BARC, Bombay) ,Dr. Elizabeth Roberts (Professor, Southern Cross university, Australia). There was a commendable response to the call for papers and 55 papers were selected for presentation. The papers were selected after reviews which was carried out both internally and externally by the experts. The papers presented is arranged in 3 Technical session with parallel tracks and a poster presentation.

3. DEPARTMENTS AND LABORATORIES**3.1. Electronics and Communication Engineering Department****Vision**

To mould high quality promising and creative engineering professionals in the field of Electronics and communication for better living and the future of the global society.

Mission

- ◆ Create a unique learning environment to equip students excel in technical, personal and social life to emerge as a professional.
- ◆ Establish a research and an innovative culture to suit the needs of the society.

Department of Electronics & Communication Engineering, has over the years developed into a full fledged department. For exploring this fast developing engineering field, to the maximum extent possible, this department has taken all measures to make available the best facilities. The various laboratories under this department are listed below.

1. Electronic Circuits Lab.
2. Digital Electronics Lab.
3. Digital Signal Processing Lab.
4. Embedded System Lab.
5. Communication Lab.
6. Project Lab.
7. Electronics Workshop.

All the above laboratories are equipped with modern equipments required at the degree level. Department of Electronics & Communication has organised National Conference on emerging trends in Electronics and Communication Engineering, on March 22nd and 23rd, 2016 and National Symposium on Telecommunication Systems on February 20, 21 & 22, 2017. The Department organised faculty development program on Advanced Communication Technologies and Signal Processing on April 14 - 23, 2018.

Department of Electronics and Communication Engineering has organised a TEQIP Sponsored FDP on Mathematical Perspective towards Communication from 29th July to 1st August, 2019.

Department of Electronics and Communication Engineering has organised a KTU Sponsored 3 days FDP on Security Aspects in Communication System from 22th to 24th July, 2019

Department of Electronics and Communication Engineering has organised the 2'nd National Conference on Emerging Trends in Electronics and Communication Engineering 2019(NACETEC'19) on 20 and 21'st March 2019.

Department of ECE has conducted a FDP on 'IoT and Its Applications', sponsored by TEQIP-II from 21/02/19 to 23/02/19.

Department of Electronics and Communication Engineering has organised a faculty development program on "Future trends in NEMS" from 10/01/19 to 15/01/2019 under TEQIP II four funds.

3.2. Electrical and Electronics Engineering Department

Vision

To be the innovative global leader in technical education and research by providing excellent education in Electrical and Electronics Engineering.

Mission

To produce high quality professionals in Electrical and Electronics Engineering who have serious concerns on engineering fundamendals technological advancements professional ethics and social value system.

This is a well established department, and ever since its commencement, the students bagged top ranks in all university examinations. In order to train the students about the basic ideas of electricity and its technological developments, this department facilitates the following laboratories.

1. Power System and Power Electronics Lab.
2. System and Simulation Lab.
3. Digital Circuits and Embedded System Lab.
4. Project Lab
5. Electronics Circuits Lab.
6. Electrical Machines Lab 1.
7. Electrical Machines Lab 2.
8. Power Electronics and Drives Lab.
9. Circuits and Measurement Lab.
10. Power System Lab.
11. Electrical Engineering Workshop.

The department houses laboratories with modern infrastructure. It includes equipment like latest measurement gadgets, process control set up with PLC, power quality analyser, advanced software facilities, different types of AC and DC machines. Staff development program and faculty development program, workshops, seminars etc are organised regularly. Department organises national conferences regularly.

Depatment of Electrical and Electronics has organised National Conference on Future Technologies in Power, Control and Communication Systems on March 10th to 12th, 2016, Second National Conference on Future Technologies in Power, Control and Communication Systems on March 23rd and 24th, 2017 and National Research Colloquium on Recent Advancements in Electrical Engineering on 13th and 14th March, 2017.

Third National Conference on Future Technologies in Power, control and communication systems (NFTPCOS-18) was held on 16/03/2018 & 17/03/2018. It was inaugurated by Mr. Rajesh Joseph, professor, IIST. A faculty development program on high speed reconfigurable power electronic controllers was organised from 24/04/2018 to 30/04/2018. As part of Industry Institute Interaction, MOU has been signed between Department of Electrical & Electronics Engineering and CDAC Trivandrum. By utilising this opportunity, our students developed three IP using HSRPEC technology of CDAC.

Department of Electrical and Electronics Engineering has organised a KTU-Sponsored Faculty Development Programme on "Industrial Automation" from 16 – 18 January 2019).

Fourth National Conference on "Future Technologies in Power, Control and Communication Systems-'19 (NFTPCOS-'19) organised by Department of Electrical and Electronics Engineering sponsored by TEQIP-II on 22nd and 23rd of March 2019.

Department of Electrical and Electronics Engineering has organised a faculty development program on "Mi Power:-Applications in Power systems " from 01/11/18 to 05/11/2018

3.3. Computer Science and Engineering Department

Vision

To become a global leader in the discipline of computing and technology.

Mission

To produce graduates in the discipline of computing and technology with competent technical and analytical skills, innovative research capabilities, leadership potential and instil them with the integrity, discipline and ethics to work with commitment for the progress of the society.

This department is all set to keep pace with the latest developments in the field of computer science and engineering. It emphasizes on nurturing the potential of students and above all plays a vital role in carving out software and hardware intellectuals excelling in innovation, creativity, and quality. This department is well equipped with the following labs.

1. Programming Lab.
2. System Programming Lab.
3. Research and Development Lab.
4. Project Lab.
5. Network and OS Lab.
6. Hardware Lab.

Department of Computer Science Information Technology has organised National Conference on Advances in Informatics and Computer Technologies on March 30th and 31st, 2016 and National Symposium on Computational Intelligence on 13th to 15th March, 2017. The Department has organised the 2nd National Conference on Advances in Informatics and Computer Technologies on 20th and 21st March, 2018.

Department of Computer Science and Information Technology has organised a KTU Sponsored 3 days FDP on Computer Vision and Machine Learning on 24th-26th July, 2019.

Department of Computer Science and Engineering has organised a faculty development program on "COMPUTER VISION AND ITS APPLICATIONS" from 10/04/19 to 12/04/2019 under TEQIP II.

Department of Computer Science and Engineering has organised a faculty development program on "DEEP LEARNING " from 29/01/2019 to 31/01/2019 under TEQIP II.

Third National Conference on "ADVANCES IN INFORMATICS AND COMPUTING TECHNOLOGIES (AICT19)" organised by Department of CS/IT sponsored by TEQIP-II on 28th and 29th of March 2019.

3.4. Information Technology Department

Vision



To become a global leader in the discipline of computing and technology.

Mission

To produce graduates in the discipline of computing and technology with competent technical and analytical skills, innovative research capabilities, leadership potential and instil them with the integrity, discipline and ethics to work with commitment for the progress of the society.

The Department of Information Technology lays emphasis to elicit revolutionary software professionals so as to meet the demands of the fast changing IT field. The laboratories under this department are equipped to train the students in a view to refine their skills as per the current trends. The various laboratories under this department are

1. Programming Lab.
2. System Programing Lab.
3. Research and Development Lab.
4. Project Lab.
5. Network and OS Lab.
6. Hardware Lab.

Department of Computer Science and Information Technology has organised National Conference on Advances in Informatics and Computer Technologies on March 30th and 31st, 2016 and National Symposium on Computational Intelligence on 13th to 15th March, 2017. The Department has organised the 2nd National Conference on Advances in Informatics and Computer Technologies on 20th and 21st March, 2018.

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Department of Computer Science and Engineering has organised a faculty development program on "DEEP LEARNING " from 29/01/2019 to 31/01/2019 under TEQIP II.

Third National Conference on "ADVANCES IN INFORMATICS AND COMPUTING TECHNOLOGIES (AICT19)" organised by Department of CS/IT sponsored by TEQIP-II on 28th and 29th of March 2019.

3.5. Mechanical Engineering Department

Vision

Excel in mechanical engineering education and research for overall sustainable development.

Mission

- ◆ Impart quality education to nurture globally competent and socially responsible mechanical engineers.
- ◆ Foster research to address the technological needs that society faces.

This department provides sound theoretical background as well as good practical exposure to the students. It has well experienced faculty. The B.Tech course in this discipline was started in the year 2011 The following laboratories under this department are

1. Fluid Mechanics Lab
2. Hydraulic Machinery Lab
3. Thermal Engineering Lab
4. Metrology and Measurements Lab
5. HMT Lab
6. CAD- CAM Lab

Department of Mechanical Engineering has organised National Conference on Recent Trends in Mechanical and Civil Engineering on 10th and 11th March, 2017. The Department organised 3

day workshop on Outcome based NBA Accreditation with Emphasis on how to prepare SAR on 11th - 13th January, 2018.

Department of Mechanical Engineering has organised a faculty development program on "MICRO AND NANO MANUFACTURING" from 10/01/19 to 12/01/2019 sponsored by KTU. Second National Conference on "Recent Trends in Mechanical and Civil Engineering" organised by Department of Mechanical Engineering sponsored by TEQIP-II on 22nd and 23rd of March 2019.

3.6. Mechanical and Electrical Workshops

In addition to the above department laboratories, the college is having Mechanical and Electrical Workshops to train the students in carpentry, fitting, sheet metal works, welding, foundry, electrical wiring and electronics component handling & soldering practices.

4. OTHER FACILITIES

4.1. Central Library

Libraries are the backbone of any civilized society and heart of any academic institution. College of Engineering Perumon Central Library (CEPCL) has become one of the finest and best in class technical Library & Information Center among the nine prestigious engineering colleges established under the Co-operative Academy of Professional Education (CAPE) by the Government of Kerala.

The Central Library of our engineering college provides a quality of informative products and services to ensure LibQUAL service to the users of the academic community. It is functioning in the administrative block of the college. The carpet area of the college library is about 405.63 sq.m. Reading space is 162.74 sq.m. It is well equipped, well furnished, computerized and RFID enabled. It operates in three floors. Reference and Periodical sections are housed in ground floor. Stack room and various sections such as Book Bank literature, Reports, CD-ROMS and Digital library for e-journal access are functioning in the 1st floor. The Central Library of College of Engineering Perumon acquires a prominent place among the students and faculty.

The library has a collection of books of nearly 20,000 volumes of 8,572 titles and 53 printed journals. It includes a good collection of books and journals in the areas of Electronics, Computer science, Electrical and Mechanical Engineering and related fields including Science, Mathematics and Management. New titles are added from time to time in order to ensure that students are provided with updated study materials. The library also maintains around 2000 volumes of literature collection includes Malayalam and English books. Reference section includes many valuable reference materials and copies of the most essential general books which can also be borrowed on overnight issue basis. Our Reference section also includes Dictionaries, Encyclopedias, and study materials for competitive exams such as GATE and IES. The library maintains a Book Bank collection, only for SC/ST students (3 books per student per semester) is functioning in the library. Library subscribes E-journal resources such as ASME, ASTM-D.L, ELSVIER- SCIENCE DIRECT, IEEE, J-GATE, MC GRAW-HILL & SPRINGER.

The Central Library is equipped with RFID based library security system for round the clock protection of library books. Our College Library stands to be the first Indian Library to have implemented RFID Systems of M/s Bibliotheca RFID Systems AG, Switzerland, who is a world leader integrated with KOHA, an open source Library Management System. In addition, Library provides digitized information services using the latest information product, Online Public Access Catalogue (OPAC) to its members in right time.

Books are classified according to Dewey Decimal Classification Scheme (DDC) and are catalogued according to Anglo American Cataloguing Rules II (AACR-II) with local variations

4.2. Computer and Internet Facilities

Computer Center provides internet and intranet facilities to all users in the institute. For the network services, centre has the high end computational servers on which accounts are given to students, staff and faculty of the departments. College of Engineering Perumon has an fiber optic network over the whole campus routed and Managed by UTM appliances.

The college computing facilities are also used for conducting various online tests. Online journals like IEEE, Springer etc are available in the Computer Center. The Computer Center is open from 9.00 am to 4.00 pm on all working days and caters the needs of all staffs and students of the college.

The institute has a 24 x 7 Wi-Fi facility in the college campus for the students and faculty members to avail internet connection at any place in the college. It provides students the facilities of e-mail, net surfing, up/down loading of web based applications and helps them in preparing projects & seminars presentations.

Users of the computer centre enjoy vistas of information superhighway through 8 mbps Broadband connectivity provided by BSNL and 100MBPS leased line connectivity provided by National Knowledge Network via rail tel.

4.3 Placement Cell

A placement cell is effectively functioning in this college. Leading multi national companies visit the college every year for recruitments. This cell undertakes various training and personality development programs in a regular fashion. The placement cell publishes the employment opportunities and makes available information about higher education.

4.3.1. Placement History

Students of this college have been placed in leading multi national companies like TCS, INFOSYS, WIPRO, CTS, SATYAM, HCL, L&T INFOTECH, SIEMENS, HUAWEI, SYNTEL, CARITOR, CSC INDIA, TATAELXI, NEST, UST, IBS, SUNTEC, EARNEST & YOUNG, SUBEX, ACCENTURE, IBM, QBURST etc.

The following are the placement history:

Year 2004-2005 : 54
Year 2005-2006 : 81
Year 2006-2007 : 82
Year 2007-2008 : 112
Year 2008-2009 : 86
Year 2009-2010 : 91
Year 2010-2011 : 27
Year 2011-2012 : 103
Year 2012-2013 : 50
Year 2013-2014 : 50
Year 2014-2015 : 70
Year 2015-2016 : 54
Year 2016-2017 : 31
Year 2017-2018 : 40
Year 2018-2019 : 86

4.4. Talks, Seminars and Exhibitions

Talks, seminars and exhibitions are conducted regularly by the various department associations,

as mentioned in the following section.

4.5. Department Associations

Four associations are functioning in the college under the various departments as below.

4.5.1. EARNEST (Electronic Association Rendering Newly Emerging Scientific Thoughts)

The Electronics and Communication Engg. Department Students Association named as EARNEST was formed with the intention of cultivating interest in science and technology among the students. It organizes various programs like technical seminars, paper presentations, personality development programs etc.

The association has conducted various programs right from the beginning of its journey.

For the year 2014, the association has conducted various programs such as seminars, technical talks, quiz and so on. There is an immense support for these programs from the faculty side and from the student's part. We were able to bring up various technically and non-technically talented students through our ventures. We have conducted a seminar on the topic "Advanced Electronic World" which was conducted on behalf of EARNEST and was run by person from prestigious institutions.

We are hoping to have more and more enrichable program to be got conducted for the upcoming years on the banner of EARNEST. We have conducted a Technical Expo "Open House 2016" on March 22-23, 2016. The Tech Fest ADVIB-18 was organised and conducted by the department association on 16th - 17th February, 2018. College radio was launched on 16th February, 2018. The Abstract Book 2K18 and Newsletter TRONANCE was released on 23rd February, 2018.

4.5.2. ASCI

The Computer Science and Information Technology Department Students Association. It organizes lectures, seminars and technical talks by distinguished personalities from various streams. It also host short term courses, work shops, exhibitions, quizzes, paper presentations, code debugging, gaming and many more. The event "FINESTRA 14" was organized on 12th November 2014 as part of CS/IT association programs. The event was inaugurated by Dr.ZA Zoya, Principal, CEP and it was remarkable by the release of news letter-14 and website hosting. The official URL of the website was www.ascicep.com. Inaugural session was preceeded by debugging and quiz competition. We have conducted a Technical Expo "ADVIB 2016" on March 30-31, 2016. The Association have conducted a technical Expo on 16th - 17th February, 2018. The News letter and Abstract Book was released on 20th March, 2018.

4.5.3. DYUTHI

The student association of Electrical and Electronics Engineering 'DYUTHI' was established in the year 2011. Since its inception, Dyuthi has played the vital role of being the much needed bridge between the students and industry level research and development. Our goal is to organize social and professional activities which strengthen and enrich the community within the department and to develop leadership and initiative, and to inculcate a sense of responsibility among the members of the association. The Association organizes several events throughout the academic year like technical talks by guest speakers, quizzes, workshops and most importantly 'VIDYUTH', technical expo of Electrical & Electronics Engineering Department. Its annual publications include Newsletter, Journal, Technical magazine, Project book etc. The activities in the academic year 2017-18 include expert lectures by Dr. D. P Balachandran, Former professor, College of Engineering Trivandrum and Mr. Ajeesh A, Staff

Scientist Engineer, CDAC. The sixth volume of newsletter 'DYUTHI 2017' was released by Mr. Jose Paul, Group director, Cryogenics propulsion stage group, LPSC, Valiamala on 16/02/2018. A Robotic Workshop on Arduino Uno 'Arduino World' was organized to create an orientation towards Arduino microcontroller, basic programming and hands on training on Arduino UNO boards on 06/02/2018. 25 students from various higher secondary schools in Kollam district were participated. The second volume of project book 'Niryuh-2017' was released by Mr. Dhanesh P R, Principal Engineer, Power electronics group, CDAC, Trivandrum on 16/03/2018. The project expo Vidyuth 3.0 was organized as a part of Advyka 2018, technical festival of College of Engineering Perumon on 16/02/2018 and 17/02/2018. The second volume of abstract book was released by Mr. Jose, Electrical Inspector, Kollam on 13/04/2018.

4.5.4. TRAMS

The association for the department of Mechanical Engineering titled 'The Royal Association of Mechanical Students' (TRAMS) was founded on 18th March 2013 by Professor (Dr.) Shaji Senadhipan (former Principal CEP).

TRAMS organised Lectures, Seminars and workshops with the aid of college on different aspects mainly the recent development and carrier prospects in mechanical engineers, hence enabling students to realise their true potential as students of engineering. Auto psych 2k14 is an automotive exhibition which is the second part of the auto psych franchise organised by the Royal Association students in association with the kerala motor vehicle department. The event was conducted on 17th, 18th and 19th of October 2014 at Asramam Ground, Kollam.

The expo featured exhibition of vintage cars, super model cars, Vintage bikes and super bikes. The expo had stalls of maruthi suzuki, KTM, KSRTC, Kerala police department and YESS. The event was inaugurated by shri. N K Premachandran M P and the cultural event was inaugurated by shi P.K. Gurudasan MLA with the presence of Kollam Mayor Smt. Prasanna Earnest and Dr. Z A Zoya principal College of Engineering Perumon.

Apart from the various exhibition there were certain cultural events. On 17th October there was the CEP nite conducted by college students and the bikes stunt show by Road Hackers. On the second day there was bike stunt show by Ghost Ryders, the No.1 stunt show in India and on the final day, the highlight event was the proshow by famous playback singer Haricharan. The event concluded on 19th october 2014 at 9.00 pm. The programme coordinator was Mr. Vishnu R, ME7 and the staff coordinator was Mr. Thulaseedharan R, Asst. Professor Mechanical Dept. The Annual Celebration of the TRAMS was hosted on 16th February 2018 which was inaugurated by Z. A. Zoya, Principal, College of Engineering, Perumon. Several Technical Events such as Rifle Expo, Auto Expo, Seminars, Discussions were arranged.

4.6. Parent Teacher Association

Parent Teacher Association (PTA) is actively functioning in the college. The objectives of the association are:

- To work for the welfare of the students and the institution.
- To offer constructive suggestions on various issues for the smooth and successful functioning of the college.
- To promote better participation of the parents in the various programs of the college and to establish better liaison with the teacher.
- All parents/guardians of the students on the rolls of the college and staff members are the members of the association. It is compulsory for a parent/guardian of a student on the rolls of the college to be a member of PTA. The executive committee of the PTA consists of

1. President : Dr. Z. A. Zoya (Principal)	9447150400
2. Vice President : Mr. Leven C.	9947391465
3. Secretary : Mr. Sanoj R. (Asst. Prof. IT)	9446546127

Executive Members from Parent Side

1. Mr. Sanu C. Rajendran	9809419472
2. Mr. T.S. Poulouse	8547293952
3. Mr. Gopakumar P.K.	9400195550

Executive Members from Teachers Side

1. Dr. Bindu S.J. (Assoc. Prof., EEE)	9847831272
2. Mr. Suneer K.S. (Asst. Prof., ME)	9446639190
3. Mr. Shamnad M. (Asst. Prof., ME)	9495805914
4. Smitha R. (Asst. Prof. Maths)	9446944537

Non Teaching Member (As per the approval of the General Body)

1. Mr. Venu P. (Instructor in ECE)	9846501790
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The PTA now owns 8 college buses and two contract bus for managing its operation. The PTA plays a decisive role, as a supporting body, for the overall development of the college for ensuring smooth functioning of the college.

4.7. College Buses

At present eight buses, operated by the college PTA for the convenience of students and staff. The first bus operates between Puthoor & College via Pavitreswaram, Cheerangavu, Mukkada. The second bus operate between Kallumthazham & College via Karicode, Keralapuram, Perumpuzha, Elampalloor. Bus no. III operate from Bharanicavu to College via Kadapuzha, Chittumala, Perayam, Mukkada. Bus no. IV runs between Sankara mangalam (Chavara) & College via Santhikulangara, Ramankulangara, Kaval, Collectorate, High School Jn. and College. Bus no. V run between Kottarakkara & College via Neduvathoor, Ezhucone, Arumurikkada. Bus no. VI run between Kottiyam & College via Thattamala, Madan Nada, College Jn, KSRTC Bus Stand, High School Jn. Bus no. VII run between Kannanalloor & College via Ayathil, Chemmamukku, Ashramam, KSRTC Stand. Bus no. VIII run between Parippally & College via Chathannur, Pallimukku, Reserve Camp, High School Jn. The service of college buses are controlled by a committee which include student members also. Any complaints regarding the bus operation can be reported to the bus committee. Students and staff who are using college buses should remit the bus fee every semester, calculated based on the working days of that semester. A bus pass will be issued based on the remittance of the bus fee for both students & staff and which should be kept with them while travelling by college bus. Rules are over leafed in the bus pass. The students and staff who are using the college bus without bus pass will be punished. The decisions of the Principal will be final in this matter.

4.7.1. Bus Timings**Bus Route - 1 (Puthur to College)**

Driver Name : Suryakanthan

Mob: 9947584278

Boarding Point	Time	
	To college	From college
Puthur	8.15 AM	5.10 PM
Pavithreswaram	8.20 AM	5.00 PM
Cheerangavu	8.30 AM	4.50 PM
Mukkada	8.45 AM	4.35 PM
College	9.00 AM	4.20 PM

Bus Route -2 (Kallumthazham to College)

Driver Name : Soman S.

Mob: 9562110162

Boarding Point	Time	
	To college	From college
Kallumthazham	8.00 AM	5.20 PM
Karicode	8.05 AM	5.15 PM
Keralapuram	8.10 AM	5.10 PM
Perumpuzha	8.15 AM	5.05 PM
Elampalloor	8.20 AM	5.00 PM
College	9.00 AM	4.20 PM

Bus Route - 3 (Bharanicavu to College)

Driver Name : Suresh Surendran

Mob: 9947341526

Boarding Point	Time	
	To college	From college
Bharanicavu	8.00 AM	5.20 PM
Kadapuzha	8.10 AM	5.10 PM
Chittumala	8.20 AM	5.00 PM
Perayam	8.25 AM	4.55 PM
Mukkada	8.30 AM	4.50 PM
College	9.00 AM	4.20 PM

Bus Route - 4 (Sangaramangalam to College)

Driver Name : Rajendranathan Pillai

Mob: 9495892680

Boarding Point	Time	
	To college	From college
Sangaramangalam	8.05 AM	5.15 PM
Sakthikulangara	8.15 AM	5.10 PM
Ramankulangara	8.20 AM	5.05 PM
Kaval	8.25 AM	5.00 PM
Collectorate	8.30 AM	4.50 PM
High School Junction	8.35 AM	4.45 PM
College	9.00 AM	4.20 PM

Bus Route - 5 (Kottarakkara to College)

Driver Name : Soman G.

Mob: 9446363730

Boarding Point	Time	
	To college	From college
KSRTC Stand Kottarakkara	8.00 AM	5.20 PM
Neduvathur	8.05 AM	5.15 PM
Ezhukone	8.10 AM	5.10 PM
Arumurikkada	8.15 AM	5.05 PM
College	9.00 AM	4.20 PM

Bus Route - 6 (Paravoor to College)

Driver Name : Vijayan V.

Mob: 9020445657

Boarding Point	Time	
	To college	From college
Paravoor	7.50 AM	5.30 PM
Kottiyam	8.05 AM	5.20 PM
Thattamala	8.10 AM	5.15 PM
Madannada	8.15 AM	5.10 PM
College Junction	8.20 AM	5.05 PM
KSRTC Bus stand	8.25 AM	5.00 PM
High School Junction	8.30 AM	4.50 PM
College	9.00 AM	4.20 PM

Bus Route - 7 (Kannanalloor to College)

Driver Name : Vijayan Pillai

Mob: 9633020637

Boarding Point	Time	
	To college	From college
Kannanalloor	8.00 AM	5.10 PM
Ayathil	8.15 AM	5.05 PM
Chemmamukku	8.20 AM	5.00 PM
Ashramam	8.25 AM	4.55 PM
KSRTC Stand	8.30 AM	4.50 PM
College	9.00 AM	4.20 PM

Bus Route - 8 (Parippally to College)

Driver Name : Rajendra Babu

Mob: 9495067745

Boarding Point	Time	
	To college	From college
Parippally	7.50 AM	5.20 AM
Chathannur	8.00 AM	5.10 PM
Pallimukku	8.15 AM	4.55 PM
Reserve Camp	8.20 AM	4.50 PM
High School Junction	8.25 AM	4.45 PM
College	9.00 AM	4.20 PM

4.8. Women's Forum

The women's forum will also act as an independent body for co-ordinating various activities related to the overall welfare of the woman. The Committee members are:-

1. Mrs. Shameena M
2. Mrs. Sowmya K.S.
3. Mrs. Sony R.

4.9. Co-operative Society

Co-operative Society, registered as per the Co-op Act, is functioning in the college with an objective to have a common forum for various welfare activities of the whole staff and students of the college. A store is functioning in full swing under the society, which cater the needs of the staff and the students in respect of all academic stationeries. A reprographic center is also functioning well under this society, attached to the store.

Board of Directors of the Co-operative Society

1. Dr. Z.A. Zoya (Principal) - President
2. Mrs. Dhanya K (Asst. Prof., ECE) - Vice President
3. Mr. Venu P. (TM in ECE) - Secretary

The present committee member are :

Mrs. Roshni J. Philip, Mrs. Suja Rani & Mr. Arun Krishnan (Student Rep.)

4.10. National Service Scheme (NSS)

National Service Scheme (NSS) has emerged as a powerful and dynamic youth movement in the country. The NSS is acting as a catalyst to build up the right way of students leadership in

an institution. The college has implemented the NSS. The main aim of the scheme is to provide opportunities to teachers and students for gaining valuable practical experiences of community service.

4.11. Chapters of Professional bodies

4.11.1. Indian Society for Technical Education (ISTE)

Indian Society for Technical Education (ISTE) is a premier national society for teachers and students of the technical education system. The major objective of the ISTE is to assist and contribute to the production and development of top quality professional engineers and technocrats needed by our nation. This college has institutional membership of this body. A student chapter of ISTE is also functioning well in the college. This chapter is conducting different training programs, seminars, talks, etc. which would enhance the professional knowledge of the students. These programs will aid the students to get equipped with technical excellence, innovation, leadership quality, organizational skills, sharp logic etc and to mould themselves into successful engineers. Mr. Abhilash R.S., Asst. Prof. Dept. of Electrical & Electronics Engg. is the staff in charge for ISTE faculty chapter. Mrs. Aseena. A, Asst. Prof. Dept. of Electronics & Communication Engg. is the staff in charge for ISTE student chapter.

4.11.2. IEEE Chapter

The motto of the Institution of Electrical and Electronics Engineers (IEEE), USA is to create an awareness on the budding engineers on the latest technological innovations. The student chapter of IEEE is functioning well in the College.

4.12. College Gymnasium

A healthy body keeps you dynamically fit and energizes you in all your academic and co-curricular activities. A gymnasium is functional inside the campus with adequate facilities.

4.13. Computer Society of India

Computer Society of India (CSI) is the first and largest body of computer professionals in India. CSI is a non-profit organization and its members are committed to the advancement of theory and practice of Computer Engineering and Technology Systems.

The seed for the Computer Society of India (CSI) was first sown in the year 1965 with a handful of IT enthusiasts who were a computer user group and felt the need to organize their activities. They also wanted to share their knowledge and exchange ideas on what they felt was a fast emerging sector. Today the CSI takes pride in being the largest and most professionally managed association of and for IT professionals in India. The purposes of the Society are scientific and educational directed towards the advancement of the theory and practice of Computer Science & IT.

4.14 COMMITTEES FOR THE ACADEMIC YEAR (2018-19)

SL No	Name of the Committee	Name of Chairman/ Co-ordinator/Convener	Name of Members
1	University Exam	Santhosh Raj (EEE),	Abhilash R S (EEE), Dinu (ECE), Sidhik (IT), Ajish S. (CS) Ameera Beegom (CSE)

2	Project Committee	Madusoodhanan (AO) Shemeena M. (Civil) Remya R Nair (Civil sup.) Anitha (AE)	Haseena Beegum P. (Civil) Santhosh Raj (EEE) Vishnu Lal (EEE)
3	PTA	Sanoj R. (IT)	Dr. Bindhu S.J. (EEE) Shamnad M. (ME) Suneer K.S. (ME), Venu P. (ECE) Smitha R. (Maths)
4	Purchase Committee	Principal	AO & All HODS
5	Placement Cell	Rekha T. (EEE)	Ameera Beegom (CSE) Sidhik A. (IT), Sony R. (ME) Seena R. (ECE), Surjith S (ECE) Jasin Jalaludeen (ECE)
6	College bus Committee	Suneer K.S. (ME)	Sudeendran (ECE), Rahul R. (ME) Remya R. (IT) Smitha Rani (LIB),
7	Canteen Committee	Suneer K.S. (ME)	Venu P. (ECE), Rejith R. (ECE) Sanoj R. (IT)
8	NSS Unit	Harish Y.S. (ME)	Ajisha S. (EEE)
9	Hostel Committee	Suja Rani (IT)	Suma S. (ECE), Abdul Latheef (EEE) Sujeesh G. (ME), Divya Sasidharan (CSE)
10	Alumni Association	Ameera Beegom (CSE)	Surya S.R (IT), Dhanya M. (ECE) Sidhik A. (IT), Rekha T. (EEE) Ajith A (ECE), Jasmi M.S. (EEE)
11	Sports	PT	Vishnulal S. (EEE), Venu P. (ECE) Sujeesh G. (ME), Jesna K. (ECE)
12	Brochure	Ajish S. (CSE)	Reshma (ECE), Arun C. Pillai (CSE)
13	Antiragging Committee	Dr. Bijukumar (HOD, ECE)	All First Year Tutors Arun C. Pillai (CSE) Smitha R. (AS) Sudeendran T.S. (EEE)
14	College Magazine	Shamnad M. (ME)	Venu.P (ECE), Edwina G.R. (EEE) Vishnulal V.S. (EEE)
15	Tour Committee	Dr. Muhammed Mubarak (CSE) Devi Dath (CSE)	Jasna K.A. (ECE), Edwina G.R. (EEE) Soumya K.S. (IT), Jithin (ME)
16	AICTE	Suneer K.S. (ME)	Seena R. (ECE), Sofia A. (EEE) Haseena Beegum (Civil), Sanoj R. (IT) Smitha R. (Maths)

17	Attendance Software committee	Sanoj R. (IT)	Shamnad M. (ME), Archa A.B. (ECE), Suja Rani (IT) Jasna Basheer (EEE)
18	Arts Committee	Remya R. (IT)	Sudheendran T. (EEE), Santhosh Raj R. (EEE) Aseena A. (ECE), Jaseena A (ECE)
19	Staff Advisor	Dhanya M (ECE)	
20	Housekeeping committee	Anitha Rani (AE)	Anju V. Gopal (ECE), Rejith R. (ECE) Abdul Latheef (EEE), Sofia A. (EEE) Jithin V.M. (ME), Remya R. (IT)
21	Library committee	Suja Vijayan (IT)	Librarians
22	Ethics committee	Dr. Muhammed Mubarak T. (CSE)	Anju V. Gopal (ECE), Jithin V.M (ME) Sudeendran T.S. (EEE) Devi Dath (CSE)
23	Women's forum Internal Complaint Committee	Shameena M. (ECE)	Sowmya K.S (IT) Edwina G.R. (EEE)
24	Accreditation Committee	Dhanya M. (ECE) Sanoj R. (IT)	Biju S. (JS)
25	Network Administration & Website updation Committee	Roshni J. Philip (CP)	Archa A.B (ECE), Jesna Basheer (EEE) Shamnad M. (ME), Devi Dath (CSE) Sajeer S. (CSE)
26	IIIC	Surjith S. (ECE)	Sofiya A.(EEE) Suja Rani M.S. (IT) Shameena M. (Civil) Jasna K.A. (ECE)
27	First Year Co-Ordinator	Dr. Bindu S.J.(HOD, EEE) Shamnad M. (ME)	Smitha R. (Maths)
28	Counselling Committee	Remya R. (IT)	Tutors from all departments
29	ISTE/IEEE	Abhilash R. S. (EEE) Tasneem Salam (ECE)	One Faculty members from all departments
30	KTU	Jasim Jalaludeen (ECE)	Sudeep Dinesh (ME)
31	Election Returning Officers	Jasna K. (ECE)	

32	Accademic Monitering Committee	Dr. Dileep (HOD ME)	All HOD's Sofia A. (EEE), Seena R. (ECE)
33	First Year Orientation Programme	Shamnad M. (ME)	Sidhik A. (IT), First Year Tutors
34	EDC	Ajith A. (ECE)	Soumy T. (CSE), Jasne Basheer (EEE) Hareesh (ME)
35	IQAC	Sudheer V.R. (ECE)	Bejoy Abraham (HOD CSE) Surya S.R. (IT), Dhanya M. (ECE) Sony R. (ME), Jasna Basheer (EEE) Archa A.B. (ECE)
36	Continueing Education	Ajish S. (CSE)	Ajith A. (ECE), Jasmi (EEE), Aseena (ECE) Devi Dath (CSE), Haseena Beegom (Civil)
37	NPTEL	Aseena A. (ECE)	Devi Dath (CSE)
38	Grievance Readdressal Cell	Sheeja Vincent (ECE)	All HOD's
39	Series Exam Co-ordinator	Jasmi (EEE)	Devika C.S. (AS), Thasneem Salam (ECE) Suja Vijayan (CS), Jithin V.M. (ME)
40	College news letter	Dr. Mohammed Mubarak	Prasanth R. (CSE), Arun C. Pillai (CSE) Ajisha S. (EEE)
41	Disciplinary Action Committee	Dr. Dileeplal J.	Sheeja Vincent (ECE), Sofiya A. (EEE) Shamnad M. (ME), Sanoj R. (IT)
42	Grievences & Appeal Committee	Dr. Bijukumar (HOD, ECE)	Dr. Mohammed Mubarak (CSE) Surya S.R. (IT), Sony R. (ME)

➤ Principal and Administrative Officer will be ex-officio members in all committees/wherever required.

5. HISTORY OF ACADEMIC EXCELLENCE

Right from the first batch itself, the college has been rated high for its academic excellence among the various colleges under the Cochin University of Science & Technology. The various ranks bagged by the students of this college in the B-Tech. examinations are as follows.

Year	Name	Branch	Rank
2004	Anu G.	EEE	I
	Sunila Susan Thomas	EEE	II
	Sreejith S.	EEE	III
	Sudhin Dinesh	CSE	III
	Arun A.	EEE	I
	Nisha	CSE	I

2005	Aneeshya Raveendran	EEE	II
	Solymol K.C.	EEE	III
	Mala J.B.	IT	III
	Dony C.S.	EEE	I
	Arun Babu	EEE	II
	John Samuel	CSE	II
2006	Nadia	IT	II
	Aswathy Raj	EEE	III
	Helen Sherly	IT	III
	Deepa Chandran	ECE	I
2007	Divya Vijay	EEE	I
	Remya S. Nair	IT	III
2008	Deepa P.S.	CSE	I
	Bhagya S.	IT	III
	Lakshmi S.	EEE	III
2009	Rainu Boban	CSE	III
	Aneesh Kumar A.S.	EEE	III
2010	Neomi Nelin Nicholas	IT	III
2011	Anuga G.	IT	II
	Jincy George	EEE	II
	Ajina P John	ECE	III
2012	Anu S. Lal	IT	II
2013	Resmi Chandran	IT	III
2014	Athira K.R.	M.Tech CIS	III
2015	Neethu Raj	M.Tech CIS	I
	Syam Sankar	M.Tech CIS	III
2016	Aparna A.	M. Tech CIS	I
	Aparna R.	M. Tech CIS	II
	Biju P. Dias	M.Tech CIS	VI
	Sreelekshmi S.	M.Tech CIS	VI
	Athulya R. Krishnan	M.Tech CIS	X
	Bilha Mathew	EEE	II
	Anuja Kunjumon	IT	II
	Sneha Subash	ECE	II
	Amrutha J.	ECE	III
	Greeshma G.	EEE	III
	Gopika Krishnan P.	EEE	V
	Mubarak M.	EEE	VI
	Nikitha Meriam Vinu	ECE	VIII

	Muhammed Rafeeq K. Swathy J. Aiswarya V. Sivendu B.	IT CSE IT SCSE	VIII IX IX X
2017	Kokila V. Ananthkrishnan R. Hari Krishna Gouri Krishna J Praveen S. Meenakshi R. Pillai Arunraj B. Meenu Sreekumar Amrutha Sunil Chaithanya Girija Suresh Nishad N. Jazeena A. Sreelekshmi S. Anandhu R, Sreerya S.	EEE ME ME ECE ME EEE ME IT IT EEE EEE IT EEE ME EEE	II II III IV IV V V V VI VII VIII IX IX IX X
2018	Loyola Ann George Shermi Hussain Mridula T.S. Anna Sharon Stalin Ijas Abraham	EEE IT EEE IT ME	III III IX IX IX

The 2012 leading media of our state has also rated the academic excellence of our college as high based on their surveys.

6. THE A. P. J. ABDUL KALAM TECHNOLOGICAL UNIVERSITY ACADEMIC REGULATIONS FOR B. TECH, 2019

This may be called the A. P. J. Abdul Kalam Technological University Academic Regulations for B. Tech, 2019. These are subject to the provisions of the APJ Abdul Kalam Technological University Act, 2015, the statutes and ordinances if any issued in the subject from time to time. It is the express understanding that these regulations are subject to the approval of the concerned statutory bodies of the University. These regulations shall be applicable for students admitted from 2019 onward.

1. Preamble

R1.1 The University has the right to modify the regulations from time to time.

R1.2 In all matters related to the regulations, the decision of the University and its interpretation given by the BOG shall be final and binding.

2. Admission

R2.1 Admission policy, eligibility for admission and admission procedure shall be decided by the University or the competent statutory authority for admissions from time to time.

R2.2 If at any time after admission, it is found that a candidate has not fulfilled any of the requirements stipulated by the University or the statutory body concerned, the Vice Chancellor may revoke the admission of the candidate and report the matter to the BOG.

R2.3 No student shall be permitted, under any circumstances, to change the branch/stream to which he/she is admitted by the competent authority for admission.

R2.4 A student admitted to a particular institute shall continue studying in that institute till the completion of the course, unless he/she is permitted an inter college transfer as per R9.1 to 9.12.

3. Structure of B.Tech. Program

R3.1 The duration of the B.Tech. Program shall be 4 years (8 semesters)

R3.2 The maximum duration shall be six academic years spanning 12 semesters.

R3.3 Every academic year shall have two semesters “1 July to 31st December (Odd semester)” and “1st January to 30th June (Even semester)”. Each semester shall have minimum of 72 working days. The vacation of the faculty and staff shall be as per the Government orders from time to time.

R3.4 Every branch of the B.Tech Program shall have a curriculum and syllabi for the courses approved by the Academic Council. Syllabus for any course shall be normally modified / updated once in four years. However, innovative elective courses can be included as and when required, on the recommendations of the respective Board of Studies and subject to the approval of the Academic Council. All revisions shall be based only on the recommendations of the Board of Studies concerned.

R3.5 The academic programs of the University follow the credit system. The general pattern is as below:

1 Hr. Lecture (L) per week	1 credit
1 Hr. Tutorial (T) per week	1 credit
1 to 2 Hours Practical(P) per week	1 credit
3 to 4 Hours Practical(P) per week	2 credit

The workload of a faculty member shall be the actual number of hours engaged by the faculty member.

R3.6 The curriculum of any branch of the B.Tech. Program shall have a total of 160 academic credits and 2 additional pass/fail credits.

R3.7 Every course of B. Tech. Program shall be placed in one of the nine categories as listed in table below.

S. No.	Category	Code	Breakup of Credits
1	Humanities and Social Sciences including Management courses	HSMC 08	
2	Basic Science courses	BSC 26	

3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc	ESC	22
4	Professional core courses	PCC	66
5	Professional Elective courses relevant to chosen specialization/branch	PEC	19
6	Open subjects – Electives from other technical and /or emerging subjects ` as specified in the curriculum concerned.	OEC	09
7	Project work, seminar and internship in industry or elsewhere	PROJ	10
8	Mandatory Courses [Environmental Sciences, Induction training, Indian Constitution, Essence of Indian Traditional Knowledge]	MC	Non credit
9	Mandatory Student Activities (Pass/Fail)	SA	2
Total Credits		162	

R3.8 No semester shall have more than six lecture-based courses and two laboratory and/or drawing/seminar/project courses in the curriculum.

Credit per semester shall not be less than 15 or greater than 25 and cumulative credits shall not be less than 162.

R3.9 The medium of instruction shall be English. All examinations, project/seminar reports and presentations shall be in English.

4. Academic Monitoring and Student Support.

R4.1 Advisory System: There shall be one Senior Faculty Advisor (SFA) for a class and a faculty advisor (FA) each for 25 to 35 students in the class. The Principal shall assign a regular faculty member with minimum five years of experience as the Senior Faculty Advisor (SFA) in discussion with the Head of Department concerned.

R4.2 The documents regarding all academic and non academic matters of students under an advisory group shall be kept under the custody of Faculty Advisor/Senior Faculty Advisor.

R4.3 All requests/applications from a student or parent to higher offices are to be forwarded/recommended by his/her Faculty Advisor/Senior Faculty Advisor. Students and parents shall first approach their Faculty Advisor/ Senior Faculty Advisor for all kinds of advices, clarifications and permissions on academic matters. It is the official responsibility of the institution to provide the required guidance, clarifications and advices to the students and parents strictly based on the prevailing academic regulations.

R4.4 The SFA shall arrange separate or combined meetings with advisors; course faculty, Parents and students as and when required and discuss the academic progress of students under their advisory group. The Senior Faculty Advisor/ Faculty Advisor shall also offer guidance and help to solve the issues on academic and non-academic matters including personal issues of the students in their advisory group. Advisory meetings shall preferably be convened:

administration covering punctuality, attendance, discipline, academic, environment, learning ecosystem, academic accountability, academic achievements and benchmarking.

4. The audit shall also cover the quality criteria prescribed by NBA/NAAC.

6. Assessment

R6.1 There shall be End Semester Examinations (ESE) in every semester for all courses as prescribed under the respective curriculum, except the Lab/ workshops courses for 1 & 2 semesters. The End Semester Examinations shall be conducted by the University. Semester classes shall be completed at least ten days before the commencement of the End Semester Examination.

R6.2 The End Semester Examinations (ESE) shall be held twice in a year – May/June session (for even semesters) and November/December session (for odd semesters). However, the End Semester Examinations of the VII and VIII Semesters shall be conducted in both the sessions.

R6.3 Candidates in each semester shall be evaluated both by Continuous Internal Evaluation (CIE) and End Semester Examinations (ESE). The ratio of Continuous Internal Evaluation (CIE) to End Semester Examinations (ESE) shall be as below :

- 1. Theory Courses : 1 : 2
- 2. Laboratory Courses : 1 : 1
- 3. Project : CIE only
- 4. Seminar : CIE only

R6.4 Continuous Internal Evaluation (CIE): The Continuous Internal Evaluation shall be on the basis of the day-to-day work, periodic tests (minimum two in a semester) and assignments (minimum two). The faculty member (s) concerned shall carry out the Continuous Internal Evaluation (CIE) for the course allotted to him/her. The CIE marks for individual subjects shall be computed by giving weightage to the following parameters unless otherwise specified in the curriculum.

Course	Attendance	Tests	Assignment/ Class work/ Course project.
Theory	20%	50%	30%
Drawing/ Practical	20%	40%	40%

There shall be minimum two internal evaluation tests, each of 2hrs duration. Each test shall cover 50% of the syllabus and shall be for 50marks. Retest shall be permitted to the students who could not appear for the internal tests due to genuine grounds. Three days shall be utilised for conducting the internal evaluation test.

- a. Work assessed by the project guide – 30%
- b. Three member Continuous Internal Evaluation Committee – 40% (Guide shall be one member in the CIE committee)
- c. Final Evaluation by a three member Committee comprising of the department project coordinator, guide and an external expert. The external expert shall be an academician or from industry. The industry expert is preferred : 30%
- d. One third of the project credit shall be completed in VII

The report and the presentation shall be evaluated by a team of internal members comprising three senior faculty members based on the style of presentation, technical content, adequacy of reference, depth of knowledge and overall quality of the report.

Seminar	a) Attendance	:	10%
	b) Guide	:	20%
	c) Technical content	:	30%
	d) Presentation	:	40%

The CIE 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 CIE marks obtained by the student for all subjects in a semester are to be published at least 5 days before the commencement of the University examinations. Duty leave shall be accounted for awarding the internal marks for attendance.

- R6.5 Students, who have completed a course but could not write the end semester examination, shall be awarded "I" Grade, provided they meet other eligibility criteria (R6.6). They shall register (exam registration) and appear for the end semester examination at the next opportunity and earn the credits without having to register (course registration) for the course again.
- R6.6 The main eligibility criteria for registering to the End Semester Examination are attendance in the course and no pending disciplinary action. The minimum attendance for appearing for the End Semester Examination is 75% in each course. Students who do not meet these eligibility criteria are awarded an FE grade.
- R6.7 The students with FE grade shall register for the courses during the normal semesters in which the courses are offered. However, for the seventh and eighth semester FE grade students can register for the courses in the next immediate chance, if offered by their institute.
- R6.8 A student who does not register for all the courses listed in the curriculum for a semester shall not be eligible to enroll for the next higher semester.
- R6.9 The maximum number of credits a student can register (course registration) for, in a semester is limited to 08 credits in excess of the total mandatory credits allotted in the curriculum for that semester.
- R6.10 A student will be eligible for the award of B. Tech. Degree of the University on satisfying the following requirements:
1. Fulfilled all the curriculum requirements within the stipulated duration of the course.
 2. Earned the required minimum credits as specified in the curriculum for the branch of study (R3.6 and R3.7).

3. No pending disciplinary action.

- R6.11 Students registered for a course have to attend the course regularly and under go the Continuous Internal Evaluation (CIE) and appear for the End Semester Examinations (ESE). Credits for the course are deemed to be earned only on getting at least a pass grade 'P' or better in the composite evaluation.
- R6.12 Pass minimum for a course shall be 40% for the End Semester Examination and 50% of CIE and ESA put together. Letter grade 'F' will be awarded to the student for a course if either his/her mark for the End Semester Examination (ESE) is below 40 % or the overall mark [Continuous Internal Evaluation (CIE) + End Semester Examination (ESE)] is below 50%.
- R6.13 Students who received F grade in an End Semester Examination shall have to appear for the End Semester Examination at the next opportunity and earn the credits. They shall not be permitted to register for the course again.
- R6.14 Continuous Internal Evaluation mark percentage shall not exceed 30% over the End Semester Examination mark %. CIE marks awarded to a student shall be normalised accordingly. For example if the end semester mark % is 40, then the maximum eligible CIE mark % is 40+30 = 70 %.)
- R6.15 Grading is based on the overall % marks obtained by the student in a course, as given in 6.16. The grade card shall only give the grades against the courses the student has registered. Semester grade card shall give the grade for each registered course, Semester Grade Point Average (SGPA) for the semester as well as Cumulative Grade Point Average (CGPA).

R6.16

Grade and Grade Points

Grades	Grade (GP)	Point	% of Total Marks obtained in the course
S		10	90% and above
A+		9.0	85% and above but less than 90%
A		8.5	80% and above but less than 85%
B+		8.0	75% and above but less than 80%
B		7.5	70% and above but less than 75%
C+		7.0	65% and above but less than 70%
C		6.5	60% and above but less than 65%
D		6.0	55% and above but less than 60%
P (Pass)		5.5	50% and above but less than 55%
F (Fail)		0	Below 50% (CIE + ESE) or Below 40 % for
FE		0	Failed due to lack of eligibility criteria (R6.6)

I 0 Could not appear for the end semester examination but fulfills the eligibility Criteria

Classification of B. Tech Degree First Class with Distinction First Class CGPA 8.0 and above CGPA 6.5 and above

Equivalent percentage mark shall be = $10 * CGPA - 2.5$

R6.17

Minimum Cumulative Credit Requirements for Registering to Higher Semesters

Semester	Allotted Credits	Cumulative Credits	Minimum Cumulative Credits required for B. Tech	Minimum Cumulative Credits required for B. Tech Lateral Entry
First	17	17	Not Applicable	Not Applicable
Second	21	38	Not Insisted	Not Insisted
Third	22	60	Not Insisted	Not Insisted
Fourth	22	82	Not Insisted	Not Insisted
Fifth	23	105	21 Credits from S1 & S2	Not Insisted
Sixth	24	129	Not Insisted	Not Insisted
Seventh	15	144	47 Credits from S1 to S4	09 Credits from S3 to S4
Eighth	16	160	Not Insisted	Not Insisted

R6.18 There is no provision for improving the grade. However, the student is permitted to check the answer books of the End Semester Examination after the results are declared, on payment of the prescribed fee. Any discrepancy in evaluation could be brought to the notice of the Controller of Examination, who shall initiate appropriate action as per the University Examination Manual.

R 6.19 The students can apply for revaluation of the answer books of the end semester examination after the results are declared. The final mark awarded will be the better of the two marks. If the difference in marks obtained in revaluation and the original valuation is more than 15% of the maximum marks, it shall be sent for third valuation. The final mark shall then be the average of the closer of the two marks obtained in the three valuations to the advantage of the student or the mark obtained in the original valuation whichever is higher. The Controller of Examination shall examine such cases and conduct proper enquiry to see whether any of the examiners is responsible for negligent valuation of answer script and initiate suitable action as per the University Examination Manual.

R 6.20 Grade cards shall be made available in the student login for the registered courses, in every semester. On earning the required credits for the degree, the University will issue the final consolidated grade sheet for the B. Tech program including CGPA.

R6.21

Calculation of SGPA/CGPA

Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) are calculated as follows.



$SGPA = \frac{\sum(C_i \times GPI_i)}{SC_i}$, where 'C_i' is the credit assigned for a course and 'GPI' is the grade point for that course. Summation is done for all courses specified in the curriculum of that semester. The failed and incomplete courses shall also be considered in the calculation.

$CGPA = \frac{\sum(C_i \times GPI_i)}{SC_i}$, where 'C_i' is the credit assigned for a course and 'GPI' is the grade point for that course. Summation is done for all courses specified in the curriculum up to that semester for which the 'CGPA' is needed. Here the failed courses shall also be accounted.

CGPA for the B. Tech programme is arrived at by considering all course credits that are needed for the degree and their respective grade points.

For students admitted under lateral entry scheme, credits for the first and second semester courses shall not be accounted for the calculation of CGPA.

Equivalent percentage mark shall be = $10 * CGPA - 2.5$

- R6.22 Any act of violation of University directions, indiscipline, misbehavior, or unfair practice in examinations from the part of students, faculty members, staff, institution, management or any other source shall be viewed very seriously. It is the legal responsibility of the principal and the college management to see that the examinations are conducted strictly as per the directions of the University and as specified in the examination Manual. Malpractices in examinations observed or reported by an official employed by the University, faculty member, invigilator or anybody shall be immediately reported to the Principal. The principal shall in turn conduct a preliminary enquiry giving the student concerned a chance to explain his/her case. The Principal shall then forward the case with his/her preliminary enquiry report and remarks to the Controller of Examinations along with all related documents and evidences within two working days. The Controller of examination shall decide the course of action on the issue as per the prescribed norms in the University Examination Manual.
- R6.23 A student shall earn 2 credits by actively involving in co – curricular and extra – curricular activities as per the guidelines issued by the University from time to time. On getting minimum 100 activity points the student passes the course and earns the two credits which shall not be counted for the calculation of CGPA but mandatory for the award of the Degree. For the students admitted under lateral entry scheme the 2 credits shall be considered to be earned on getting 75 activity points. The students are required to keep a file containing documentary proofs of activities done by him/her attested by the Senior Faculty Advisor/ Faculty Advisor.

7. BREAK OF STUDY

- R7.1 A student is permitted to avail break of study:
- i) In case of accident or serious illness needing prolonged hospitalization and rest.
 - ii) In case the student has a bright idea and would like to initiate a start-up venture or develop a product.
 - iii) In case of any personal reasons that need a break in study.
 - iv) For internship leading to employment.

For break of study due to illness, student shall submit all necessary medical reports together with the recommendation of the doctor treating him giving definite reasons for break of study and its duration. Before joining back, the student should submit the fitness certificate from the doctor who treated him.

Students who want to initiate a start-up venture or a product development, have to submit a project report, clearly indicating the purpose, action plan, technical details, funding details and future plans to the college Principal. The Principal shall evaluate the proposal by constituting an expert team consisting of a technocrat and a bank executive and take an appropriate decision based on the team's recommendation. The break of study for the start up shall be permitted only after the 4 semester for a maximum duration of two semesters. This is however permitted only on successfully completing the courses listed out in the first two semesters.

Students who require a break in study due to personal reasons shall convince the Principal on the genuine need for it by giving authentic evidence for the same. Students who require break in study for 'internship leading to employment' shall produce the offer letter obtained from the employer concerned. The principal shall verify the authenticity of the offer and submit his recommendation to the University sufficiently in advance for approval. Only campus placed students with an annual compensation more than 6 lakhs are eligible to avail this facility.

In the semester system followed by the University, break of study for an academic year is the preferred option than break of study for a semester.

The student can avail the break of study only with the prior approval of the University.

The Principal shall upload the request of the student with all relevant documents to the University portal for the approval with his/her recommendations.

Students shall have to rejoin on the first working day of the same semester on which he/she had started availing the break of study.

8. ATTENDANCE

- R8.1 Students are expected to attain 100% attendance for all courses. However, under unavoidable circumstances they are permitted to avail leave. Total leave of absence shall not exceed 25% of the academic contact hours for a course and 75% attendance is mandatory for registering to the end semester examination.

On medical ground the college Principal can relax the minimum attendance requirement to 60%, to write the end semester examination. This is permitted for one or more courses registered in the semester. Principal shall keep all records which led to his decision on attendance, for verification by the Academic Auditors/ University officials. This provision is applicable only to any two semesters during the entire program period.

In case of prolonged illness, break of study is permitted as per R7.1.

- R8.2 The Principals are authorised to grant attendance relaxation (duty leave) to the students in officially sponsored national level competitions/championships/ tournaments when called upon to do so, up to a maximum of 10%. Such students should produce the participation certificate countersigned by the University Sports Coordinator/ the Director of Physical Education in the case of sports activities and the Senior Faculty Advisor in the case of other extracurricular activities: within ten days of the event. The participation certificate thus produced shall be forwarded to the Principal with the due recommendation of the respective Head of the Department. Under any circumstances, the principal shall not consider the certificate if the overall attendance of the candidate is less than 60%. Late applications received shall not be considered on any account. The student shall get official prior permission from the University for representing the University.

- R8.3 The Principals are authorised to grant attendance relaxation (duty leave) to the students for organising extra/ co-curricular activities, up to a maximum of 05%. Such students should produce the required documents countersigned by the University Sports Coordinator/ the Director of Physical Education in the case of sports activities and the Senior Faculty Advisor in the case of other extra/ co-curricular activities: within ten days of the events. The documents thus produced shall be forwarded to the Principal with the due recommendation of the respective Head of the Department. Under any circumstances, the principal shall not consider the documents, if the overall attendance of the candidate is less than 60%. Late applications received shall not be considered on any account.

9. INTER COLLEGE TRANSFER

- R9.1 Inter college transfer shall be applicable only for regular B. Tech students.
- R9.2 The transfer shall be permitted just before the commencement of third semester.
- R9.3 The transfer shall be with effect from the first working day of the third semester.
- R9.4 The transfer shall be only within the sanctioned strength of the receiving college.
- R9.5 The following Category of students shall not be eligible for inter college transfer
1. Govt. of India Nominee.
 2. Management Quota in Aided colleges.
 3. Management Quota in private Self Financing Colleges
 4. Students admitted under NRI/PIO quota.
 5. Lateral Entry students.
 6. Students admitted under TFW Scheme.
 7. Students admitted in any supernumerary seats.
 8. Any other category which are ineligible as per the conditions for admission prescribed by Govt. of Kerala/Govt. of India.
- R9.6 The transfer shall be permitted:
1. Between Govt/ Govt. Aided Colleges.
 2. Between Self – Financing Colleges. (Including Govt. Controlled SFC).
- R9.7 Notification inviting application for inter college transfer shall be issued by the University just before the commencement of the third semester.
- R9.8 The candidate should fulfill the academic eligibility requirement for promotion to the third semester.
- R9.9 If the number of applicants is more than the vacant seats available, the transfer may be based on the Kerala Engineering Entrance Rank.
- R9.10 The students shall opt only one college for inter college transfer.
- R9.11 The selected candidates shall remit a fee of Rs 3000/- (No fee for SC/ST students) within the stipulated date to the University. However, this rule is not applicable to the students transferred to other institutes under “Shift College” University order.
- R9.12 The College transfer once approved by the receiving college will be final and binding on the applicant. No student will be permitted, under any circumstances, to refuse the change of college once offered.

10. MIGRATION FROM OTHER UNIVERSITIES

- R10.1 Migration to the University from other Universities shall be permitted only if the parent University and the APJ Abdul Kalam Technological University enters into a bipartite

- agreement/ MoU for this purpose. However, this condition is not applicable to the students commencement of KTU Act remained affiliated to Universities except Deemed to be Universities in the State of Kerala.
- R10.2 The student shall be permitted to migrate only if he/she fulfills the University eligibility criteria for admission to the course applied for migration.
- R10.3 The migration shall be permitted only up to the fifth semester of the B. Tech program and half the duration of the program in the case of other programs.
- R10.4 The admission shall be offered on migration basis through lateral transfer of credits. Lateral credit transfer shall be as recommended by the concerned Board of Studies.
- R10.5 The students shall be allowed to migrate to the University subject to satisfying the rules and regulations of the University as regards to, maximum number of backlogs, grade points, minimum credit requirement for promotion to higher semesters, etc.
- R10.6 The student shall be offered admission in any of the affiliated colleges/institutions of the University subject to availability of seats. The student shall produce no objection certificate from the concerned college/institute in this regard.
- R10.7 The students offered admission shall have to take transitory courses/ additional courses of the previous semesters to satisfy the program requirement as recommended by the concerned board of studies.
- R10.8 The students offered admission shall pay the migration fees and the University fees as prescribed by the University. The application processing fee (University fee) shall be Rs 5000/- (Rupees five thousand only) and the migration fees shall be Rs 20000/- (Rupees twenty thousand only). The migration fee is charged for the meeting expenses of the concerned Board of studies to decide on the student suitability for migration and to recommend the transitory courses/ additional courses to be done by the student to fulfill the academic requirement of the University. The processing fee shall be paid along with the application, and the migration fee shall be paid to the University at the time of offering admission. The fee once paid shall not be refunded under any circumstances. The students in any of the Engineering colleges / institutions, which, before the commencement of KTU Act remained affiliated to Universities except Deemed to be Universities in the State of Kerala, are exempted from paying the processing fee and the migration fee.
- R10.9 The migrated students shall follow the rules and regulations of the University.
- R10.10 students offered admission shall produce a migration certificate from the parent University at the time of admission.
- R10.11 The student offered admission shall produce a character certificate from the parent institute/ University at the time of admission.
- R10.12 Regulations, Scheme and Syllabus of the respective specialization attested by the Registrar of the parent University or equivalent authority shall be submitted to the University along with the application seeking migration to the University.
- R10.13 Attested copies of all certificates and mark lists from 10th onwards shall be submitted along with the application for migration (Original certificates and mark lists shall be produced as and when required by the University).
- R10.14 Assessment of the student suitability for migration in terms of programs, backlogs, grade points, credit requirements, etc shall be done by the concerned Board of Studies.
- R10.15 Assessment of the transitory courses/ additional courses to be done by the student as per the academic requirement of the University shall be as recommended by the concerned Board of Studies.

11. MINOR IN ENGINEERING.

- R11.1 All B. Tech students shall be eligible to register for Minor in Engineering.



- R11.2 The Minor in Engineering registration shall be along with the registration of the 3rd semester.
- R11.3 If student shall earn additional 20 credits to be eligible for the award of B. Tech B.Tech Minor. However, the additional credits and grades thus far earned by the student shall be included in the grade card but shall not be considered in calculating the CGPA.
- R11.4 The a student fails in any course of the minor, he/she shall not be eligible to continue the B. Tech Degree with Minor.
- R11.5 Out of the 20 Credits, 12 credits shall be earned by undergoing a minimum of three courses, during the specified period. The total number of contact hours for these courses shall be 126 Hrs (42Hrs/course). The duration of a course shall be minimum 14 weeks. The remaining 8 credits could be acquired through two MOOCs recommended by the Board of studies and approved by the Academic Council.
- R11.6 Curriculum and the syllabus of the four courses shall be approved by the Board of studies and the Academic Council.
- R11.7 The assessment of the courses other than MOOCs and earning of credits shall be as per R6.1 to R6.23. The assessment and certification of the MOOCs shall be as per the prescribed norms of the MOOCs. The candidate shall produce the certification issued by the MOOCs conducting agency in proof of credit attainment.
- R11.8 Under graduate Degree with minor shall be issued by the University to the students who fulfill all the academic eligibility requirements for the B. Tech program and Minor in Engineering.

12. B. TECH (HONOURS)

- R12.1 All B. Tech students are eligible to register B.Tech (Honours). However, their mandatory CGPA at the end of eighth semester shall be 8.5 or higher to be eligible for the award of B. Tech (Honours).
- R12.2 The B. Tech (Honours) registration shall be along with the registration of the 4th semester.
- R12.3 If a student fails in any course including the course chosen for B. Tech (Honours), he/she shall not be eligible to continue the B.Tech(Honours). However, the additional credits thus far earned by the student shall be included in the grade card but shall not be considered in calculating the CGPA.
- R12.4 The student shall earn additional 20 credits to be eligible for the award of B. Tech (Honours) Degree.
- R12.5 Out of the 20 Credits, 12 credits shall be earned by undergoing minimum three specified B. Tech (Honours) Elective courses of the respective stream. Credits for the B. Tech (Honours) Elective courses are deemed to be earned only on getting at least a grade 'C' or better in the composite evaluation. A student shall not be permitted to select the normal elective courses of the respective B. Tech programs for attaining the credit requirements of B. Tech (Honours). The remaining 8 credits could be acquired through two MOOCs of the respective streams recommended by the Board of studies and approved by the Academic Council.
- R12.6 The assessment and certification of the MOOCs shall be as per the prescribed norms of the MOOCs. The candidate shall produce the certification issued by the MOOCs conducting agency in proof of credit attainment.
- R12.7 The institutions offering B. Tech Honours programs shall not charge any additional fee from the students.
- R12.8 B. Tech (Honours) Degree shall be issued by the University to the students who fulfill all the academic eligibility requirements for the B. Tech and B. Tech (Honours) programs.

13. GRACE MARKS FOR SPORTS /ARTS COMPETITIONS.

- R13.1 Only bona-fide, regular candidates are eligible for the award of Grace Marks.

- R13.2 The criterion for the award of Grace Marks is representing the University in officially sponsored national level competitions/championships/ tournaments when called upon to do so. The student shall get official prior permission from the University for representing the University.
- R13.3 The maximum grace marks that can be awarded to a candidate in a particular semester for all activities put together shall be 5% of the aggregate maximum End Semester Examination marks of all theory courses for which the University conducts End Semester Examinations.
- R13.4 The maximum grace marks that can be awarded to a student for a theory course in a particular semester for all activities put together shall not exceed 10% of the maximum aggregate marks of End Semester Examination of the course.
- R13.5 The Grace Marks shall not be awarded to a student for Practical/ Lab/ Viva Voce/ internal assessment/ Seminar etc even though she/he fails for the same.
- R13.6 Eligible Grace Marks shall be distributed equally on all theory papers/courses of an examination. However, re – distribution of Grace Marks shall be allowed only in the case of those courses of an examination for which the candidate has passed. Re-distribution is possible from passed courses to failed courses only. Re-distribution of Grace Marks is not permissible from failed courses to other courses for a pass.
- R13.7 The Marks shall be awarded for all theory papers/courses/subjects in a semester.
- R13.8 Re-distribution shall be done only for enabling a candidate to obtain the minimum marks required for a pass.
- R13.9 Grace Marks shall not be re – distributed from one semester to another semester.
- R13.10 If the candidate does not secure the minimum marks required for a pass even after effecting re- distribution, eligible moderation fixed by the respective board if any, shall be awarded to that candidate in addition to the Grace Marks for a pass.
- R13.11 Eligible Grace Marks shall be awarded for the regular examination of the performing semester only. Grace Marks shall not be awarded for supplementary examinations.
- R13.12 The performing semester shall be considered from 1 July to 31 December (Odd semester) and 1st January to 30th June (Even Semester).
- R13.13 Grace Marks shall be awarded on the basis of performance in the respective semester.
- R13.14 The request for Grace Marks shall be submitted to the Controller of Examinations through the principal along with all relevant documents, within the time limit prescribed by the University. The request for Grace Marks received after the time limit shall not be entertained on any account.
- R13.15 Only a single highest achievement during the period of a semester shall be considered for awarding the grace marks.

14.GRACE MARKS FOR PERSONS WITH DISABILITY (PWD)

- R14.1 A person with disability means a person suffering from not less than 40% of any disability as certified by the District Medical Board. To be eligible for the grace marks, the certificate of disability specifying the percentage of disability shall be produced before the Principal at the time of admission.
- R14.2 The Grace Marks that can be awarded for PWD candidates shall be 25% of the marks scored by the candidate in each course at the time of finalization of the results.
- R14.3 Transfer of marks from one paper to another shall not be permitted. Fractions of marks if any, while computing the Grace Marks shall be rounded off to the next higher integer.
- R14.4 PWD candidates who are eligible for Grace Marks shall be awarded Grace Marks for regular and supplementary chances until they pass the whole examination.
- R14.5 Grace Marks shall be awarded only for the marks of the End Semester Examinations conducted by the University.

List of Courses offered under BE 101-0X and Branches associated with each course**1. BE101-01 Introduction to Civil Engineering**

Civil Engineering

2. BE101-02 Introduction to Mechanical Engineering Sciences

Aeronautical Engineering, Automobile Engineering, Food Technology, Industrial Engineering, Mechanical Engineering, Mechanical Engineering (Automobile), Mechanical Engineering (Production), Mechatronics, Metallurgy, Naval Architecture & Ship Building, Production Engineering.

3. BE101-03 Introduction to Electrical Engineering

Electrical & Electronics Engineering

4. BE101-04 Introduction to Electronics Engineering

Applied Electronics & Instrumentation Engineering, Biomedical Engineering, Electronics & Biomedical Engineering, Electronics, Electronics & Communication Engineering, Electronics & Communication Engineering, Electronic & Instrumentation Engineering, Instrumentation & Control Engineering.

5. BE101-05 Introduction to Computing and Problem Solving

Computer Science & Engineering, Information Technology.

6. BE101-06 Introduction to Chemical Engineering

Biotechnology/Biotechnology & Biochemical Engineering, Chemical Engineering.

2. Institutions can recommend **one of four** other Basic Engineering courses offered during this semester for every branch. However, the basic course selected should exclude the one corresponding to their branch of specialization. eg. Student who took Introduction to Civil Engineering should not take Basics of Civil Engineering; student who took Introduction to Electrical Engineering should not take Basics of Electrical Engineering

3. The six basic engineering workshops will be connected with the Introductory or Basics of Engineering courses offered. The students should attend **two** workshops in Semester 1 and **two** in Semester 2.

For example, students opting *Introduction to Civil Engineering* or Basics of Civil Engineering should attend the *Civil Engineering Workshop*, students opting *Introduction to Mechanical Engineering* or Basics of Mechanical Engineering should attend the *Mechanical Engineering Workshop*, students opting *Introduction to Chemical Engineering* should attend the *Chemical Engineering Workshop* and students opting *Introduction to Computing and Problem Solving* should attend the *Computer Science Workshop* etc. In addition, the students should attend one more workshop course in Semester 1, corresponding to the other Basic Engineering course they had been assigned by the institution. The workshop courses corresponding to both introductory and basic courses are same. However, the institutions may allot exercises or experiments listed in the syllabus based on the contents of corresponding theory course.

4. Engineering Physics and Engineering Chemistry shall be offered in both semesters. Institutions can advise students belonging to about 50% of the number of branches in the institution to opt for Engineering Physics in S1 and Engineering Chemistry in S2 and vice versa. Students opting for Engineering Physics in S1 should attend Engineering Physics Lab in S1 and students opting for Engineering Chemistry in S1 should opt for Engineering Chemistry Lab in S1.

5. Engineering Mechanics and Engineering Graphics shall be offered in both semesters. Institutions can advise students belonging to about 50% of number of branches in the institution to opt for Engineering Mechanics in Semester 1 and Engineering Graphics in Semester 2 and vice versa.

6. It may be noted that for items 4 and 5 above, all students belonging to a particular branch of study must be assigned the same course during one semester. For example, all students

belonging to Electrical and Electronics Engineering in an institution may be assigned Engineering Physics and Engineering Physics lab, while all students in Electronics and Communication Engineering branch may be assigned Engineering Chemistry and Chemistry lab. Likewise, all students in Civil Engineering branch may be assigned Engineering Graphics, while all students in Mechanical Engineering branch may be allotted the Engineering Mechanics in Semester 1 and vice versa in Semester 2.

7. For **Course U**, the Institutions should conduct **diagnostic tests** to identify the training requirements of each student and advise them to attend the suitable programme. The students who excel in all diagnostic tests can be assigned **Micro projects** under the guidance of faculty members. The Classes for which BE110 Engineering Graphics is offered under slot C may be divided into two batches and these batches shall attend CAD practice lab and Language lab in alternate weeks.

8. **Course V** is for earning activity points outside academic hours, the details are covered in rules and regulations of KTU.

7.2 SEMESTER II (Common for all branches)

Slot	CourseNo.	Subject	L-T-P	Hours	Credits
A	MA102	Differential Equations	3-1-0	4	4
B	PH100	Engineering Physics	3-1-0	4	4
(1/2)	CY100	Engineering Chemistry	3-1-0	4	4
C	BE100	Engineering Mechanics	3-1-0	4	4
(1/2)	BE110	Engineering Graphics	1-1-3	5	3
D	BE102	Design & Engineering	2-0-2	4	3
	CE 100	Basics of Civil Engineering	2-1-0	3	3
E, F	ME 100	Basics of Mechanical Engineering	2-1-0	3	3
(2/4)	EE 100	Basics of Electrical Engineering	2-1-0	3	3
	EC 100	Basics of Electronics Engineering	2-1-0	3	3
	CS 100	Computer Programming (Only for CSE and IT Branches)	2-1-0	3	3
S	PH110	Engineering Physics Lab	0-0-2	2	1
(1/2)	CY110	Engineering Chemistry Lab	0-0-2	2	1
T	CE110/ ME110/	Basic Engineering Workshops	0-0-2	2	1
(2/4)	EC110/EE110		+		
	CS120	Computer Programming lab (only for CSE & IT Branches)	0-0-2	2	1
U		U100 Language lab / CAD Practice/ Bridge courses/ Micro Projects etc	0-0-(1/2)	(1/2)	
				30	24/23
V		V100 Entrepreneurship/TBI/NCC/ NSS/ Physical Edn. etc	0-0-2	2	Activity points

8. KERALA TECHNOLOGICAL UNIVERSITY M. TECH ACADEMIC ORDINANCES, REGULATIONS AND RULES

8.1 Ordinances

- O-1** Candidates who have been awarded or qualified for the award of the Bachelor's degree in Engineering / Technology, from an Institution approved by AICTE are eligible for admission to the M. Tech . Programme.
- O-2** Candidates who have the Associate Membership of Professional Bodies that are approved by the University and have qualified in GATE shall also be eligible for admission to the M. Tech. programme.
- O-3** The reservation policy of the Government of Kerala and the Government of India shall be followed in admission to the M. Tech. programme.
- O-4** All admission will be governed by the procedure laid down for this by the Director of Technical Education, Kerala and the Government of Kerala.
- O-5** Notwithstanding all that is stated above, the admission policy may be modified from time to time by the University, particularly to conform to directions from the Government of Kerala and the Government of India.
- O-6** The normal duration of the M. Tech programme, including the project work, shall be four semesters.
- O-7** The award of the M. Tech. Degree shall be in accordance with the regulations of the University.

8.2 Regulations

RE-1 Admission to the M. Tech. Programme

- R.1.1** Candidates qualified in Graduate Aptitude Test in Engineering (GATE) and admitted to the M. Tech. programme are eligible to receive Half Time Teaching Assistantship (HTTA) as per the rules of the All India Council for Technical Education (AICTE)/Ministry of Human Resource Development (MHRD).
- R.1.2** Sponsored candidates from Industries, R&D organizations, National Laboratories as well as Educational Institutions, with a bachelor's degree in engineering are eligible for admission to the M. Tech. programme.
- R.1.3** Foreign nationals whose applications are received through Indian Council of Cultural Relations, Government of India are also eligible for admission to the M. Tech. programme.
- R.1.4** Announcements for M. Tech. Programmes will be made by the DTE, Government of Kerala.
- R.1.5** Selection of candidates for the M. Tech programme will be done centrally or monitored by the Directorate of Technical Education as per the guidelines given on this by the Government of Kerala
- R.1.6** The number of candidates to be admitted to each M. Tech stream will be as per the approval on this given by the All India Council for Technical Education..
- R.1.7** Admission will be complete only on meeting all the other requirements mentioned in the letter of admission and on payment of the fees.

RE-2 Language of Instruction

Unless otherwise stated, the language of instruction shall be English.

RE-3 Post Graduate Programme Clusters

The University shall identify clusters of colleges offering M. Tech programmes in different streams and allow them to formulate procedures for the smooth conduct of all academic activities associated with the M. Tech programme, in line with the regulations of the University. These clusters shall have academic autonomy, regulated by a Cluster Post Graduate Board [CPGB] consisting of all the principals of the colleges in the cluster. The Chairman of CPGB shall be an eminent academician nominated by the Vice Chancellor. The CPGB will be responsible for all academic matters including the curriculum, syllabi, course plans, internal evaluations, end semester examinations, grading as well as declaration of results for all streams of M. Tech. programme offered by the colleges in the cluster. It will also formulate guidelines for addressing malpractices rules for those aspects that are not covered in this document.

RE-4 Academic Calendar

The University shall publish the academic calendar for every academic semester / academic year indicating the commencement of semesters, period of instruction, course registration date(s), enrolment date(s), last dates for enrolment, dates for completing laboratory/practical evaluations, last instruction day in the semester, planned schedule of semester examinations and official holidays in the semester/academic year. The colleges concerned have to publish their academic calendar in line with the University academic calendar indicating other details they propose to conduct in each semester.

RE-5 Specialization Streams in M. Tech. Programme

The M. Tech. programme streams offered by each cluster as well as the eligibility of candidates of different B. Tech. branches or having other qualifications, for each of them shall be approved by the CPGB.

RE-6 M. Tech. Programme Structure

RE-6.1 The M. Tech programme in all streams of specialization will be structured on a credit based system following the semester pattern with continuous evaluation.

RE-6.2 The University permits regular as well as external registration (part time) for those in employment.

RE-6.3 The duration for the M. Tech. programme in all streams of specialization will normally be 4 semesters. The maximum duration is 6 semesters.

RE-6.3.1 Students admitted on external registration have to complete the programme within six semesters. The maximum duration for them will be 7 semesters.

RE-6.3.2 The University permits a regular student to change over to external registration during the programme, under specific circumstances like initiating a start up venture or to take up a job.

RE-6.4 Each semester shall have a minimum of 72 instruction days followed by the end semester examination.

RE-6.5 A common course structure for the M. Tech programmes in all streams of specialization is to be followed and consists of the following.

Core Courses
Elective Courses
Laboratory Courses
Seminar
Project

RE-6.6 Every stream of specialisation in the M. Tech. programme will have a curriculum and syllabi for the courses. The curriculum should be so drawn up that the minimum number of credits for successful completion of the M. Tech. programme in any stream of specialization is not less than 68 and not more than 72.

RE-6.7 Credits are assigned as follows, for one semester

- 1 credit for each lecture hour per week
- 1 credit for each tutorial hour per week
- 1 credit for each laboratory/ practical of 2 / 3 hours per week
- 2 credits for the seminar
- 2 credits for Mini Project
- 6 credits for Project in the 3rd Semester
- 12 credits for Project in the 4th Semester

RE-6.8 A pass is mandatory in all core courses. In case of failure in an elective course, there is the provision to choose another elective listed in the curriculum.

RE-6.9 On their request, CPGB shall examine the academic records and permit candidates with B. Tech (Honours) who have earned credits for any relevant graduate level courses to transfer credits towards the M. Tech. programme. Candidates who received B. Tech (Honours) degree just prior to their M. Tech admission are permitted to transfer up to 9 credits. For those who received the B. Tech (Honours) degree within three years prior to their M. Tech. admission are permitted to transfer up to 6 credits.

RE-6.10 The maximum number of lecture based courses and laboratory courses in any semester shall not exceed 5 and 2 respectively. The maximum credits in a semester shall be 22.

RE-6.11 Programme duration

The normal duration of the programme shall be four semesters.

In case of prolonged illness or other personal exigencies, the university may allow a student who has earned credits for at least one semester, to extend the programme up to the maximum duration of six semesters. Students who have earned credits for the courses listed in the first two semesters are permitted to transfer their registration as external candidates if they take up a job. However, they have to complete the programme within six semesters.

RE-7 Course Registration and Enrolment

All students have to register for the courses they desire to attend in a semester. Newly admitted students are advised to register for all courses offered in the first semester. They do not have to enrol for the semester. All other students are required to register at the end of the semester for the they desire to take in the coming semester. Later they have to enrol for these courses in the new semester based on the results in the previous semester. This allows them to make minor changes in the list of courses already registered for. Before enrolment, students should clear all dues including any fees to be paid and should not have any disciplinary issues pending. The dates for registration and enrolment will be given in the academic calendar. Any late registration or enrolment, allowed only up to 7 working days from the commencement of the semester, will attract a late registration/enrolment fee as decided by the CPGB.

A student can drop a course or substitute one already registered for by another, for valid reasons with the approval of the faculty advisor. However this has to be done within 7 working days from the commencement of the semester.

The maximum number of credits a student can register for in a semester is limited to 24.

RE-8 Recommended Credit distribution over the semesters

- First Semester : 20 to 23 credits
- Second Semester : 18 to 19 credits
- Third Semester : 14 credits
- Fourth Semester : 12 credits [Project]

RE-9 Academic Assessment/Evaluation

The University follows a continuous academic evaluation procedure.

RE-9.1 Assessment procedure and corresponding weights recommended are as follows:-

For theory courses

- i) Two internal tests, each having 20%
- ii) Tutorials/Assignments having 10%
- iii) End Semester examination having 50%

All the above are mandatory requirements to earn credits.

Students who have missed either the first or the second test can register with the consent of faculty member and the Head of the Department concerned for a re-test which shall be conducted soon after the completion of the second test and before the end semester examination. The re-test will cover both the first and the second test course plans. If a student misses both the scheduled tests, there is no provision for any retests and zero marks will be given for each test. In case of serious illness and where the attendance is above 70% the Principal may permit the conduct of the tests for a student based on his application and other relevant medical reports with the approval of the CPGB.

For Laboratory /Practical courses

- i) Practical Records /outputs 40%
- ii) Regular Class Viva-Voce 20%
- iii) Final Test (Objective) 40%

RE-10 Course completion and earning of credits

Students registered and later enrolled for a course have to attend the course regularly and meet the attendance rules of the University and appear for all the internal evaluation procedures for the completion of the course. However, earning of credits is only on completion of the end semester/supplementary examination and on getting a pass grade. Students, who had completed a course but could not write the end semester/supplementary examination for genuine health reasons or personal exigencies, are permitted to write the semester examination at the next opportunity and earn credits without undergoing the course again. Failed candidates having more than 50% marks in their internals can also avail of this option. However, those who are not allowed to appear for the semester examination for want of attendance or for other disciplinary reasons and failed candidates with less than 50% internal marks, have to register and undergo the course again, whenever it is offered, to earn the credits.

RE-11 End Semester and Supplementary Examinations

At the end of the semester, the end semester examination will be conducted in all courses offered in the semester and will be of three hours duration unless otherwise specified. Supplementary examinations are to be conducted for eligible candidates registered for them, before the commencement of the next semester.

RE-11.1 Eligibility to write the End Semester Examination

Eligibility criteria to appear for the semester examination are the attendance requirements in the course and having no pending disciplinary action. The minimum attendance for appearing for the semester examination is 85% in each course.

RE-11.2 Eligibility to write the Supplementary Examination

Only failed students and those who could not write the semester examination due to health reasons or other personal exigencies that are approved by the Principal can register for the supplementary examination. Grades awarded in the supplementary examination will be taken as the semester grades in these courses.

RE-12 Eligibility to continue

A student has to earn a minimum number of credits in a semester to register for higher semester courses. The CPGB shall formulate the rules on this and spell out the procedure to proceed with the programme.

Failed students who have more than 50% marks in the internal course evaluation are permitted to write the semester examination without registering and undergoing the course. Those with less than 50% in internal course evaluation have to register again for the course, attend the classes and earn the credits.

RE-13 Seminar

Students have to register for the seminar and select a topic in consultation with any faculty member offering courses for the programme. A detailed write-up on the topic of the seminar is to be prepared in the prescribed format given by the Department. The seminar shall be of 30 minutes duration and a committee with the Head of the department as the chairman and two faculty members from the department as members shall evaluate the seminar based on the coverage of the topic, presentation and ability to answer the questions put forward by the committee.

RE-14 Project work

Project work is to be carried out in the third and fourth semesters. Project work is to be evaluated both in the third and the fourth semesters. Based on these evaluations the grade is finalised in the fourth semester.

Project evaluation weights shall be as follows:-

For convenience the marks are allotted as follows.

Total marks for the Project	: 150
In the 3rd Semester:- Marks	: 50
Project Progress evaluation	:
Progress evaluation by the Project Supervisor	: 20 Marks
Presentation and evaluation by the committee	: 30 Marks
In the 4th Semester	: Marks:100
Project evaluation by the supervisor/s	: 30 Marks
Evaluation by the External expert	: 30 Marks
Presentation & evaluation by the Committee	: 40 Marks

RE-15 Faculty Advisor, Course Committee and Class Committee**RE-15.1 Faculty Advisor**

The Head of the Department offering the M. Tech. programme shall nominate senior faculty members as faculty advisors who shall advise the students in academic matters and support them in their studies. Their role is to help the students in matters both academic and personal. A faculty advisor may support a group of students in a semester.

RE-15.2 Course Committee and Class Committee are to be in place for all M. Tech. programs in the college.

RE-15.3 Course Committee

This is for common courses (electives are excluded) offered to students admitted for the M. Tech. programme irrespective of their stream of specialization. Each of such courses will have a course committee constituted by the Principal of the college.

The Chairman of the course committee shall be either the Head of the Department or a senior faculty member not offering the course.

Members:-

- i) All teachers offering the course.
- ii) Two to four student representatives nominated by the Principal from the M. Tech. streams associated with the course.

RE-15.4 Class Committee

All M. Tech streams of specialization will have class committees for each semester, constituted by the respective Heads of Departments.

The Chairman of the committee shall be a senior faculty member who does not offer any course for that stream in that semester.

Members:-

- i) All faculty members teaching courses for the stream in that semester.
- ii) Two student representatives nominated by the Head of the Department, from the stream.

The course committees and class committees shall meet at least thrice in a semester - one in the beginning and one at the middle of the semester and one after the semester examinations. These committees should monitor the conduct of the courses, adherence to the course plan and time schedule, completion of the syllabus, standards of internal tests and evaluation process and difficulties faced by the students and take suitable remedial actions at the appropriate time. After the end semester examination, the committee should meet and finalize the results. A report on the student performance in each course should be prepared and submitted to the CPGB.

RE-16 Award of Grades

Grading is based on the marks obtained by the student in a course.

The grade card will only show the grades against the courses the student has registered.

The semester grade card will show the grade for each registered course, Semester Grade Point Average (SGPA) for the semester as well as Cumulative Grade Point Average (CGPA).

RE-17 Grades and Grade Points

Grades and Grade Points as per UGC guidelines are to be followed by the University

Grades	Grade Point	% of Total Marks obtained in the course
O	10	90% and above
A+	9	85% and above but less than 90%
A	8.5	80% and above but less than 85%
B+	8	70% and above but less than 80%
B	7	60% and above but less than 70%
C	6	50% and above but less than 60%

P	5	45% and above but less than 50%
F	0	Less than 45%
FA	0	Failed due to lack of attendance
I		Course Incomplete

Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) are calculated based on the above grading norms and are explained at 8.4

RE-18 Academic Auditing

The University shall have a detailed academic auditing procedure in place comprising of an internal academic auditing cell within the college and an external academic auditing for each college. The internal academic auditing cell in each college shall oversee and monitor all academic activities including all internal evaluations and semester examinations. This cell is to prepare academic audit statements for each semester at regular intervals of four weeks of instruction. These reports are to be presented to the external academic auditor appointed by the University, who will use it as a reference for his independent auditing and for the final report to the University.

Academic auditing will cover:-

- i) Course delivery covering syllabus, adherence to course plan, quality of question papers for internal examinations, internal evaluation, laboratory experiments, practical assignments, mini projects, conduct of practical classes and their evaluation. Semester examination and academic performance of the students.
- ii) Co-curricular and Extra-curricular activities available for students, and their organization.
- iii) Academic functioning of the college encompassing students, faculty and college administration covering punctuality, attendance, discipline, academic environment, academic accountability, academic achievements and benchmarking.

RE-19 Revaluation and Grade improvement

There is no provision for revaluation of the semester answer books or for improving the grade. Students are permitted to check the answer books of the semester examination, after the results are declared. Any discrepancies in evaluation could be brought to the notice of the teacher concerned who will initiate appropriate action on this and report to the CPGB for a final decision on this.

RE-20 Grade Cards

Students who have written the semester examination will be given the grade cards for the registered courses, in every semester by the respective colleges. On earning the required credits for the degree, a consolidated grade sheet for the M. Tech programme will be issued by the University on the recommendation of the respective CPGB.

The M. Tech. degree will not have any classification like distinction or first class.

RE-21 Discipline

Every student is expected to observe discipline and decorous behaviour.

Any act of indiscipline, misbehaviour including unfair practice in examinations will be referred to a Welfare and Discipline Committee of the college which shall make a detailed enquiry on the matter and recommend on the course of action to be taken and forward it to the Principal/Dean for action. The student can appeal to the Principal whose decision on the matter shall be final.

RE-22 Award of M. Tech. Degree

A student will be eligible for the award of M. Tech. Degree of the University on meeting the following requirements;

- i) Registered and earned the minimum credits, as prescribed in the curriculum, for the

stream of specialization.

ii) No pending disciplinary action.

RE-23 Grievances and Appeals Committee

Each college in the cluster should have a Grievances Redress Committee constituted by the Principal to address the grievances of the students and to consider their appeals on any decisions made by the college. This committee consisting of at least three faculty members and chaired by a senior professor shall look into student's grievances and appeals and recommend the course of action to be taken to solve them, to the Principal.

The Principal shall take appropriate actions based on this.

RE-24 Amendments to Regulations

Notwithstanding all that has been stated above, the University has the right to modify any of the above regulations from time to time.

8.3 RULES :-

RU-1 Attendance

Attendance is marked for each course. 85% attendance is mandatory for writing the semester examination in a course. Students who get PTTA or Scholarships from the Central or State Governments or any other agencies are expected to have 100 % attendance. However, under unavoidable circumstances students are permitted to take leave. Leave is normally sanctioned for any approved activity taken up by students outside the college covering sports and other extracurricular activities. Leave is also permitted on medical grounds or on personal exigencies. Leave of absence for all these is limited to 15 % of the academic contact hours for the course.

In case of long illness or major personal tragedies/exigencies the Principal can relax the minimum attendance requirement to 70%, to write the semester examination. This is permitted for one or more courses registered in the semester. The Principal shall keep all records which led to his decision on attendance, for verification by the Academic Auditor. However this concession is applicable only to any one semester during the entire programme. In case of prolonged illness, break of study is permitted up to two semesters which could extend the programme up to six semesters, the maximum permitted by the regulations.

RU-2 Leave of Absence

Students who desire to take leave under RU1 have to apply for it to the teacher conducting the course. This application together with any supporting documents like doctor's certificate or other relevant information is to be forwarded to the Head of the Department with the recommendation of the teacher indicating the total leave of absence the student has so far availed. Approval for leave is to be given by the head of the department. After any prolonged medical leave, normally exceeding five instruction days, on rejoining, the student has to produce the fitness certificate given by the doctor.

RU-3 Malpractices in Examinations

Every college in the cluster should have an Academic Disciplinary Action Committee [ADAC] constituted by the Principal of the college. Malpractices in examinations shall be viewed seriously. Any such incident seen/reported by a faculty member or an invigilator associated with examinations shall be reported to the Principal who in turn shall refer it to ADAC. On the basis of the report and the evidence available or gathered, ADAC shall immediately initiate an enquiry giving the student a chance to explain his case. Based on this the committee shall recommend the course of action in line with the guidelines formulated for this by the CPGB for action by the Principal. In case of disputes a student can appeal to the CPGB and its decision on the matter shall be final.

RU-4 Project Evaluation

Normally students are expected to do the project within the college. However they are permitted to do the project in an industry or in a government research institute under a qualified supervisor from that organization. Progress of the project work is to be evaluated at the end of the third semester. For this a committee headed by the head of the department with two other faculty members in the area of the project, of which one shall be the project supervisor. If the project is done outside the college, the external supervisor associated with the student will also be a member of the committee. Final evaluation of the project will be taken up only on completion of the project in the fourth semester. This shall be done by a committee constituted for the purpose by the principal of the college. The concerned head of the department shall be the chairman of this committee. It shall have two senior faculty members from the same department, project supervisor and the external supervisor, if any, of the student and an external expert either from an academic/R&D organization or from Industry as members. Final project grading shall take into account the progress evaluation done in the third semester and the project evaluation in the fourth semester. If the quantum of work done by the candidate is found to be unsatisfactory, the committee may extend the duration of the project up to one more semester, giving reasons for this in writing to the student. Normally further extension will not be granted and there shall be no provision to register again for the project.

RU-5 Project work outside the College

While students are expected to do their projects in their colleges, provision is available for them to do it outside the college either in an industry or in an institute of repute. This is only possible in the fourth semester and the topic of investigation should be in line with the project part planned in the 3rd semester. Student should apply for this through the project supervisor indicating the reason for this well in advance, preferably at the beginning of the 3rd semester. The application for this shall include the following:-

Topic of the Project:

Project work plan in the 3rd Semester:

Reason for doing the project outside:

Institution/Organization where the project is to be done:

External Supervisor – Name :
 Designation :
 Qualifications :
 Experience :

Letter of consent of the External Supervisor as well as from the organization

This application is to be vetted by a departmental committee constituted for the same by the Principal and based on the recommendation of the committee the student is permitted to do the project outside the college. The same committee should ensure the progress of the work periodically and keep a record of this.

8.4 Calculation of SGPA/CGPA

Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) are calculated as follows.

$SGPA = \frac{\sum(C_i \times GP_i)}{\sum C_i}$ where C_i is the credit assigned for a course and GP_i is the grade point for that course. Summation is done for all courses registered by the student in the semester. Here the failed courses are also accounted.

$CGPA = \frac{\sum(C_i \times GP_i)}{\sum C_i}$ where C_i is the credit assigned for a course and GP_i is the grade point for that course. Summation is done for all courses registered by the student during all the semesters for which the CGPA is needed. Here the failed courses are also accounted. CGPA of all courses.

8.5 M.Tech Programme Credit Assignment**M.Tech Computer and information science****SEMESTER I**

Exam Slot	Course NO:	NAME	L-T-P	Internal mark	End semester Exam		Credits
					Marks	Duration (hrs)	
A	01CI6111	Mathematical Foundations of Computer Science	4-0-0	50	50	3	4
B	01CI6121	Advance Data Structure and Algorithms	4-0-0	50	50	3	4
C	01CI6131	Advance Software Engineering	4-0-0	50	50	3	4
D	01CI6141	Advanced Database Technology	3-0-0	50	50	3	3
E	01CI6151	Elective-1	3-0-0	50	50	3	3
	01CI6161	Research Methodology	1-1-0	100	0	0	2
	01CI6171	Seminar	0-0-2	100	0	0	2
	01CI6181	Advanced Data Structure and Algorithms Laboratory	0-0-2	100	0	0	1

ELECTIVE-1

Exam Slot	COURSE NUMBER	NAME
E	01CI6151(1)	Information Security
E	01CI6151(2)	Modern Computing Paradigms
E	01CI6151(3)	Image Processing
E	01CI6151(4)	Advanced Computer Networks
E	01CI6151(5)	Advanced Computer Graphics

Semester-2(Credits: 19)

Exam Slot	Course NO:	NAME	L-T-P	Internal mark	End semester Exam		Credits
					Marks	Duration(hrs)	
A	01CI6112	Advanced Data Mining	4-0-0	50	50	3	4
B	01CI6122	Information Retrieval	3-0-0	50	50	3	3
C	01CI6132	Advanced Operating System Design	3-0-0	50	50	3	3
D	01CI6142	Elective-2	3-0-0	50	50	3	3
E	01CI6152	Elective-3	3-0-0	50	50	3	3
	01CI6162	Mini Project	0-0-4	100	0	0	2
	01CI6172	Advanced DBMS Laboratory	0-0-2	100	0	0	1

ELECTIVE-2

Exam Slot	COURSE NUMBER	NAME
D	01CI6142(1)	Computer Vision
D	01CI6142(2)	Wireless Communication and Networking
D	01CI6142(3)	Advanced Topics in Distributed Systems
D	01CI6142(4)	Parallel Algorithms
D	01CI6142(5)	Soft Computing

ELECTIVE-3

Exam Slot	COURSE NUMBER	NAME
E	01CI6152(1)	Advanced Graph Theory
E	01CI6152(2)	Computational Linguistics
E	01CI6152(3)	Network security
E	01CI6152(4)	Advanced Compiler Design
E	01CI6152(5)	Decision Support Systems

Semester-3: (Credits: 14)

Exam Slot	Course NO:	NAME	L-T-P	Internal mark	End semester Exam		Credits
					Marks	Duration (hrs)	
A	01CI7113	Elective-4	3-0-0	50	50	3	3
B	01CI7123	Elective-5	3-0-0	50	50	3	3
	01CI7133	Seminar	0-0-2	100	0	0	2
	01CI7143	Project(Phase-1)	0-0-8	50	0	0	6

ELECTIVE 4

Exam Slot	COURSE NUMBER	NAME
A	01CI7113(1)	Cloud Computing
A	01CI7113(2)	Machine Learning
A	01CI7113(3)	Advanced Numerical Techniques
A	01CI7113(4)	Ad hoc and sensor networks
A	01CI7113(5)	Bio informatics

ELECTIVE 5

Exam Slot	COURSE NUMBER	NAME
B	01CI7123(1)	Software Quality Assurance and Testing
B	01CI7123(2)	Data Compression
B	01CI7123(3)	Computational Geometry
B	01CI7123(4)	Medical Imaging
B	01CI7123(5)	Big Data Analytics

Semester: 4(Credits: 12)

Exam Slot	Course NO:	NAME	L-T-P	Internal mark	End semester Exam		Credits
					Marks	Duration (hrs)	
	01CI7114	Project(Phase-2)	0-0-21	100	0	0	12

Total 68

College of Engineering Perumon

KTU Academic Calendar - July 2019-January 2020 (B.Tech, M.Tech)

Jul-19				Aug-19				Sep-19				Oct-19			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Mon	1			Thu	1	Commencement of Classes for all other programs	8	Sun	1			Tue	1	Exam Registration ends	43
Tue	2			Fri	2		9	Mon	2		27	Wed	2	Gandhi Jayanthi	
Wed	3			Sat	3			Tue	3		28	Thu	3		44
Thu	4			Sun	4			Wed	4		29	Fri	4		45
Fri	5			Mon	5		10	Thu	5		30	Sat	5		
Sat	6			Tue	6		11	Fri	6		31	Sun	6		
Sun	7			Wed	7		12	Sat	7	Onam Vacation begins		Mon	7	Mahanavami	
Mon	8			Thu	8		13	Sun	8			Tue	8	Vijayadasami	
Tue	9			Fri	9	Induction program ends: S1 B.Tech	14	Mon	9	Muharam		Wed	9		46
Wed	10			Sat	10			Tue	10	First Onam		Thu	10		47
Thu	11			Sun	11			Wed	11	Thiruvonam		Fri	11		48
Fri	12			Mon	12	Course-Sel, Reg & Mapping begins	15	Thu	12	Third Onam		Sat	12		
Sat	13			Tue	13		16	Fri	13	Fourth Onam		Sun	13		
Sun	14			Wed	14		17	Sat	14			Mon	14		49
Mon	15			Thu	15	Independence Day		Sun	15	Onam Vacation ends		Tue	15		50
Tue	16			Fri	16		18	Mon	16	Classes reopens	32	Wed	16		51
Wed	17			Sat	17			Tue	17	Exam Registration begins	33	Thu	17		52
Thu	18			Sun	18			Wed	18		34	Fri	18		53
Fri	19			Mon	19		19	Thu	19		35	Sat	19		
Sat	20			Tue	20		20	Fri	20		36	Sun	20		
Sun	21			Wed	21		21	Sat	21	Sree Narayana Guru Samadhi Day		Mon	21		54
Mon	22	Commencement of Classes S1 B.Tech/B.Arch	1	Thu	22	Course-Sel, Reg & Mapping ends	22	Sun	22			Tue	22		55
Tue	23		2	Fri	23	Sreekrishna Jayanthi		Mon	23	Test 1 to be Completed	37	Wed	23		56
Wed	24		3	Sat	24			Tue	24		38	Thu	24		57
Thu	25		4	Sun	25			Wed	25		39	Fri	25		58
Fri	26		5	Mon	26		23	Thu	26		40	Sat	26		
Sat	27			Tue	27		24	Fri	27		41	Sun	27	Deepavali	
Sun	28			Wed	28	Birthday of Ayyankali		Sat	28	Sports Meet (Coll. level) to complete		Mon	28	Sports Meet (Zon. level) to complete	59
Mon	29		6	Thu	29		25	Sun	29			Tue	29		60
Tue	30		7	Fri	30		26	Mon	30		42	Wed	30		61
Wed	31	Karkadaka Vavu		Sat	31							Thu	31		62

College of Engineering Perumon

KTU Academic Calendar - July 2019-January 2020 (B.Tech, M.Tech)

Nov-19				Dec-19				Jan-20				Feb-20			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Fri	1		63	Sun	1			Wed	1	S7 B.Arch: Jury for training		Sat	1		
Sat	2			Mon	2	Last date for Forwarding IA Marks & Attendance to Uty of all Programs		Thu	2	Mannam Jayanthi		Sun	2		
Sun	3			Tue	3			Fri	3			Mon	3		
Mon	4		64	Wed	4	Exam S7B Tech, S7B.Arch, MCA5 and S3 PG Begins		Sat	4			Tue	4		
Tue	5		65	Thu	5	Exam S3 B.Tech, S3B.Arch, S3BHMCT, MCA3, MCA 7 and S1 PG Begins		Sun	5			Wed	5		
Wed	6	Test 2 to be Completed	66	Fri	6	Exam S5 B.Tech, S5B.Arch, S1 EHMCT S1 E Des and MCA1 Begins		Mon	6	Commencement of classes for all other programs		Thu	6		
Thu	7		67	Sat	7			Tue	7			Fri	7		
Fri	8		68	Sun	8			Wed	8			Sat	8		
Sat	9			Mon	9			Thu	9			Sun	9		
Sun	10			Tue	10			Fri	10			Mon	10		
Mon	11		69	Wed	11			Sat	11			Tue	11		
Tue	12		70	Thu	12			Sun	12			Wed	12		
Wed	13		71	Fri	13			Mon	13			Thu	13		
Thu	14		72	Sat	14			Tue	14			Fri	14		
Fri	15	Class ends for S1 B.Tech/B.Arch, Publish attendance	73	Sun	15			Wed	15			Sat	15		
Sat	16			Mon	16	Commencement of classes S2 B.Tech/B.Arch		Thu	16			Sun	16		
Sun	17			Tue	17			Fri	17			Mon	17		
Mon	18	Publish IA Marks for all programs	74	Wed	18			Sat	18			Tue	18		
Tue	19	Start date for Forwarding IA marks & Attendance to Uty of S1 B.Tech/B.Arch	75	Thu	19			Sun	19			Wed	19		
Wed	20		76	Fri	20			Mon	20			Thu	20		
Thu	21	Last date for evaluation of Jury(B.Arch)	77	Sat	21	Christmas Vacation begins		Tue	21			Fri	21	Maha Shivarathri	
Fri	22	Last date for Forwarding IA marks & Attendance to Uty of S1 B.Tech/B.Arch	78	Sun	22			Wed	22			Sat	22		
Sat	23			Mon	23			Thu	23			Sun	23		
Sun	24			Tue	24			Fri	24			Mon	24		
Mon	25	Class ends for all other Programs, publish attendance	79	Wed	25	Christmas		Sat	25			Tue	25		
Tue	26	Start date for Forwarding IA Marks & Attendance to Uty of all other Programs		Thu	26			Sun	26	Republic Day		Wed	26		
Wed	27	Exam S1/S8 B.Tech, S1 B.Arch Begins		Fri	27			Mon	27			Thu	27		
Thu	28	Last date for uploading Jury Marks (B.Arch)		Sat	28			Tue	28			Fri	28		
Fri	29			Sun	29			Wed	29						
Sat	30			Mon	30	Classes reopens, Reporting S7 B.Arch to College after training		Thu	30						
				Tue	31			Fri	31						

College of Engineering Perumon
KTU Academic Calendar - July 2019-January 2020
(B.Tech, M.Tech)

Sl. No.	Events	Important Dates
ODD SEMESTER (2019-2020)		
1(a)	Commencement of ODD Semester Classes S1 B.Tech, S1 B.Arch	July 22, 2019
(b)	Induction Program for S1 B.Tech	July 22 to Aug 9, 2019
(c)	Commencement of ODD Semester for all other programs	Aug 1, 2019
(d)	Commencement of S1 B.Tech regular class	Aug 12, 2019
2	Course Committee/Class Committee Meeting	Aug 14 - 19, 2019
3	Course selection, Course Registration, Course Mapping	Aug 12 -22, 2019
4	Exam Registration	Sept 17 - Oct 1, 2019
5	Test 1 to be completed	Sept 23, 2019
6	College Level Sports to be completed	Sept 28, 2019
7	Zonal level Sports Fest To be completed	Oct 28, 2019
8	Test 2 to be completed	Nov 6, 2019
9	Course Committee/Class Committee Meeting	Nov 4 -8, 2019
10	Classes Ends for S1 B.Tech/B.Arch and Publish Attendance	Nov 15, 2019
11	Publication of IA Marks of all programs	Nov 18, 2019
12	Submission of IA marks & Attendance by Colleges to University of S1 B.Tech/B.Arch	Nov 19 - 22, 2019
13	Last date for evaluation of Jury(B.Arch)	Nov 21, 2019
14	Classes (EVEN Semester)Ends for all other programs and Publication of Attendance	Nov 25, 2019
15	End Semester Examination S1 B.Tech/B.Arch, S8 B.Tech (Time Table will be published later)	Nov 27, 2019
16	Submission of IA Marks & Attendance by Colleges to University of all other programs	Nov 26 - Dec 2, 2019
17	Last date for uploading of marks of Jury (B.Arch)	Nov 28, 2019
18	Exam S7B.Tech, S7B.Arch, MCA5 and S3 PG Begins (Time Table will be published later)	Dec 4, 2019
19	Exam S3 B.Tech, S3B.Arch, S3BHMCT, MCA3, MCA 7 and S1 PG Begins (Time Table will be published later)	Dec 5, 2019
20	Exam S5 B.Tech, S5B.Arch, S1 BHMCT S1 B.DeS and MCA1 Begins (Time Table will be published later)	Dec 6, 2019
21	Commencement of classess S2 B.Tech/B.Arch	Dec 16, 2019
22	Reporting the college after training by S7 B.Arch students	Dec 30, 2019
23	Jury for the Training: S7 B.Arch	Jan 1-3, 2020
24	Registration by S7 B.Arch students to S8 B.Arch	Jan 6, 2020
25	Commencement of classess for all other programs	Jan 6, 2020

9. STAFF MEMBERS**Principal****Prof. (Dr.) Z .A . Zoya M.Tech, PhD Ph : 0474-2550400 (O), 9447150400 (M)****9.1 ELECTRONICS AND COMMUNICATION**

Sl.No.	NAME	Designation	Qualification	Phone No.
1.	Dr. R. Bijukumar	Professor	M.Tech, Ph.D	9847946828
2.	Dr. Ananda Resmi S	Professor	M. Tech, Ph.D	9895616961
3.	Smt. Sheeja Vincent	Asst. Prof.	M.Tech, Ph.D*	9447980903
4.	Sri. Sudheer V R	Asst.Prof	M.Tech, Ph.D*	9447461211
5.	Sri. Ajith A.	Asst.Prof	M.Tech	9995295599
	Smt. Seena R	Asst.Prof	M.Tech	9495351004
6.	Smt. Dhanya M	Asst.Prof	M.Tech	9447013719
7.	Smt. Shemeena M	Asst.Prof	M.Tech	9446382096
8.	Smt. Aseena A	Asst.Prof	M.Tech	9446182857
9.	Smt. Archa A B	Asst.Prof	M.Tech	9947061894
10.	Sri. Surjith S	Asst.Prof	M.Tech	9745108232
12.	Smt. Tasneem Salam H.	Asst.Prof	M.Tech	9400185562
13.	Smt. Anju V Gopal	Asst.Prof	M.Tech, MBA*	9447958242
15.	Smt. Jesna K A	Asst.Prof	M.Tech	9847658626
16.	Sri. Jasim Jalaludeen	Asst.Prof	M.Tech	9447789936
	Smt. Jesna K.	Asst.Prof	M.Tech	9446361878

LAB STAFF

17.	Smt. Jeseena A	Instructor		9400897896
18.	Sri. Rejith R.	Trade Instructor Gr.II		9495116956
19.	Sri. Venu P	Trade Instructor Gr.II		9846501790
20.	Smt. Reshma R S	Trade Instructor Gr.II		9526325984
21.	Smt. Suma S	Tradesman		8129375603

9.2 COMPUTER SCIENCE

Sl.No.	NAME	Designation	Qualification	Phone No.
1.	Sri. Bejoy Abraham	Assoc.Prof	M.Tech, Ph.D*	9841830442
2.	Dr. Muhammed Mubarak	Assoc.Prof	M.Tech, Ph.D	9946437845
3.	Sri. Ajish S	Asst.Prof	M.Tech, Ph.D*	9447789825
4.	Sri. Prasanth R.	Asst.Prof	M.Tech	9447738569
	Smt. Soumya T	Asst.Prof	M.Tech, Ph.D	9446178245
5.	Smt. Ameera Beegom J	Asst.Prof	M.Tech	9605238271
6.	Smt. Devi Dath	Asst.Prof	M.Tech	9447342666
8.	Sri. Muhammed Sajeer N.	Asst.Prof	M.Tech	9846455866

LAB STAFF

9.	Smt. Roshni J Philip	Computer Programmer		9995225085
10.	Sri. Sajeer S	Hardware Instructor		9847525885
11.	Sri. Arun C Pillai	Tradesman		9895463735
13.	Smt. Divya Sasidharan	Tradesman		8947226523

9.3 INFORMATION TECHNOLOGY

Sl.No.	NAME	Designation	Qualification	Phone No.
1.	Smt. Surya S R	Asst.Prof	M.Tech, Ph.D*	9446556505
2.	Smt. Sreenithya N.	Asst. Prof	M.Tech, Ph.D*	
3.	Sri. Sanoj R.	Asst.Prof	M.Tech	9446546127
4.	Smt. Suja Vijayan	Asst.Prof	M.Tech	9846372722

5.	Smt. Sujarani M S	Asst.Prof	M.Tech	9495918218
7.	Smt. Remya R	Asst.Prof	M.Tech	9495903496
8.	Smt. Sowmya K S	Asst.Prof	M.Tech	8547359491
9.	Smt. Deepa K Daniel	Asst.Prof	M.Tech	8891174195
10.	Sri. Sidhik A.	Asst.Prof	M.Tech	9995448313

9.4 ELECTRICAL AND ELECTRONICS ENGINEERING

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1.	Dr. Bindu S.J.	Assoc.Prof	M.Tech ,Ph.D	9847831272
2.	Smt. Sofiya A	Asst.Prof	M. Tech	9745506884
3.	Sri. Santhosh Raj R	Asst.Prof	M. Tech	9497621339
4.	Smt. Jasna Basheer	Asst.Prof	M. Tech	9496332274
5.	Smt. Edwina Rodrijues	Asst. Prof.	M. Tech	9526391325
6.	Smt. Rekha T.	Asst. Prof.	M. Tech	9497776509
7.	Sri. Abhilash R.S.	Asst. Prof.	M. Tech	9446757287
8.	Smt. Jasmi M.S.	Asst. Prof.	M. Tech	9447361252

LAB STAFF

9.	Sri. Abdul Latheef E.	Instructor		9447860512
10.	Sri. Vishnulal V. S.	Tradesman		9946535020
11.	Sri. Sudheendran T. S.	Tradesman		9995079599

9.5 MECHANICAL

Sl.No.	NAME	Designation	Qualification	Phone No.
1.	Dr. Dileep Raj	Asso. Professor	M.Tech, Ph.D	9400037080
2.	Sri. Shamnad M	Asst.Prof	M.Tech	9495805914
3.	Smt. Sony R	Asst.Prof	M.Tech	9447865695
4.	Sri. Syamkumar G	Asst.Prof	M.Tech	9497137744
5.	Sri. Suneer K S	Asst.Prof	M.Tech	9446639190
6.	Sri. Sudeep Dinesh	Asst.Prof	M.Tech	9746930925
7.	Sri. Hareesh Y.S.	Asst. Prof	M.Tech, Ph.D*	9747111986
	Sri. Jithin V.M.	Asst. Prof	M.Tech	9447449649

LAB STAFF

9.	Sri. Rahul R.	Instructor		9497358817
10.	Sri. Sujeesh G	Tradesman		9446025047

9.6 CIVIL

Sl.No.	NAME	Designation	Qualification	Phone No.
1.	Smt. Haseena Beegum	Asst.Prof	M.Tech	9495358601
2.	Smt. Shameena M.	Asst.Prof	M.Tech	9947247624

9.7 MATHEMATICS

Sl.No.	NAME	Designation	Qualification	Phone No.
1.	Smt. Smitha R	Asst.Prof	MSc,M.Phil,NET	9446944537
2.	Smt. Devika C.S	Asst.Prof	MSc,M.Phil NET	9526720837

9.8 CENTRAL LIBRARY

Sl.No.	NAME	Designation	Qualification	Phone No.
1.	Smt. Delight Vinsent	Librarian Gr.III	MLISc	9645111119
2.	Smt. Smitha Rani J	Librarian Gr.IV	MLISc	9744578747
3.	Sri. Reji Tomlal	Librarian Gr.IV	MLISc, MBA	8547326197

9.9 ADMIN STAFF

Sl.No.	NAME	Designation	Phone No.
1.	Sri. Madusoodhanan V.	Admn. Officer	9447340526
2.	Sri. Biju S.	Jr. Superintendent	9745390261
3.	Sri. Sujith K S	Assistant Gr I	9447865183
4.	Smt. Anjana Sivan	Assistant Gr II	9447245930
5.	Sri. Jofin V.F.	Assistant Gr II	9497454297
6.	Smt. Sumadevi P	Assistant Gr II	9645642171
7.	Smt. Remya R Nair	Civil Supervisor	9544553671
8.	Smt. Anitha Rani M.R.	Electrical Supervisor	9447087535
9.	Sri. Renjith S.	Electrician	9747966826
10.	Sri. Sajeev R	Peon	9447181015
11.	Sri. Vijayankutty P	Security	9961786974
12.	Sri. Balachandran Pillai	Security	9847147013
13.	Sri. Ajesh S	Security	8907414924
14.	Sri. Rejith R	Security	9995891937
15.	Sri. Shine S. Pillai	Security	9645803357
16.	Sri. Jayakumar S.	Security	9446289105
17.	Sri. Aneeshkumar M.S.	Driver	9995291729
18.	Smt. Jayasreekumari.P	Sweepers	9446107502
19.	Smt. Sujatha L	Sweepers	9961663749
20.	Smt. Neethu V	Sweepers	9544655428
21.	Smt. Sheela R	Sweepers	8593870012
22.	Smt. Mini P.	Sweepers	9605133315

9.12 BUS DRIVERS

Sl.No.	NAME	Designation	Phone No.
1.	Sri. Gangadharan Pillai	Bus Driver	9526385733
2.	Sri. Suresh Babu	Bus Driver	9847527253
3.	Sri. Suresh Surendran	Bus Driver	9947341526
4.	Sri. Gopalakrishnan	Bus Driver	9562218183
5.	Sri. Vijayan V.	Bus Driver	9020445657
6.	Sri. Vijayan Pillai	Bus Driver	9633020637
7.	Sri. Rajendra Babu	Bus Driver	9495067745
8.	Sri. Hubald	Bus Driver	9446932507
9.	Sri. Soman S.	Bus Driver	9562110162
10.	Sri. Rajendranathan Pillai	Bus Driver	9495892680
11.	Sri. Soman G.	Bus Driver	9446363730

* Under-going.

10. Colleges Under CAPE

1.	College of Engg. Perumon, Kollam	0474-2550500
2.	College of Engg. Kidangoor, Kottayam	0482-2255056
3.	College of Engg., Vadakara, Kozhikode	0496-2536125
4.	College of Engg. Thalassery, Kannur	0490-2307190
5.	College of Engg. Trikkaripur, Kasaragod	04997-250377
6.	College of Engg. and Management, Punnapra	0477-2266711
7.	College of Engg. Pathanapuram	0475-2022810
8.	College of Engg. Aranmula	0468-2319131
9.	College of Engg. Muttathara	0471-2500211

Appendix I

Guidelines to achieve growth in life

1. Continuous improvement result in growth
2. To have improvement, we should know our shortcomings.
(Retrospection)
3. Examinations, Competitions, Interviews etc help us in Restrospection. Besides, get the guidance/advice of friends (Analysis)
4. Once the shortcomings are identified, Work hard to overcome it.
(Rectification)

Tackling an Exam

1. Three weeks ahead to the examinatio, Segregate the Topics Formulae into two categories.
2. Category 1 should cover all the Top Priority Topics & Formulae (Refer Previous 3 years Question papers - Both Series & University Exam.)
3. Category 2 should cover all the remaining Topics & Fourmulae
4. Repeat the procedure for all Subjects.
5. Prepare a Time- Table by giving more priority for Category 1.
6. Once each topic is prepared thoroughly, mark it properly.
7. Drink enough water and sleep for a minimum of 6 hours.
8. Before leaving to the examination centre, have a check for Instruments, Required Statistical Tables, ID Card & Hall Ticket. Besides revise the topic in Category 1
9. Be seated in the hall 10 minutes prior to the examination.
10. Thorough & Ordered preparation will help us to get ride of Tensions & Worries.

Test your GD Skills

The Group Discussion forms an integral part of a company's selection process. As in a football games, where we play like a team, passing the ball to each member and aim for a common goal, GD is also a team work, where we share our views. Here are some of the most important personally traits that a candidate should possess to excel at a GD.

- | | |
|---------------------------------------|----------------------------|
| Knowledge, Initiative & Assertiveness | - Qualities of Leader |
| Listening & Flexibility | - Qualities of a Manager |
| Reasoning & Creativity | - Qualities of an Engineer |

Refer

www.gdpi.ascenteducation.com

Face an Interview

Conventional Questions.

1. Significant achievement in your life.
2. What is your Career objective?
3. Most challenging moment in your career? How did you get it resolved?
4. Where do you see yourself after 10 years?
5. What are your strengths and weaknesses.
6. Differentiate Hobbies & Interests / Creativity & Innovation.
7. What things give you the greatest satisfaction at work.
8. What kind of things do you feel most confident in doing.
9. What things frustrate you the most? How do you usually cope with them?
10. Describe yourself as a person?

**COLLEGE OF ENGINEERING
PERUMON
KOLLAM - 691 601**

UNDERTAKING BY THE STUDENT

(to be Submitted at the time of Admission/Registration to a course)

I do hereby give the undertaking that I will fully comply with the provisions envisaged in the Kerala Technological University Students (Conduct and Disciplinary), in its letter and spirit and I am fully aware of the disciplinary actions which can be against me, if I fail to comply with the provisions of this code.

Signature :

Name of Student :

*Course / Semester to which
admission or registration is sought* :

Admn. of (if allotted) :

Date :

LIST OF APPROVED HOSTELS

Hostel Name	Ladies/Gents	Ph.No.
Priyas Hostel	Ladies	9995717406
Jincy Bhavan	Ladies	0474-2553258
Mulluvila Hostel	Ladies	9995206669 9446112226
Mahalekshmi	Gents	9633862220
Lake View	Gents	9995970609 0474-2552786
Ponus Hostel	Gents	9895345087
Thiruvathira	Gents	9496626628
Sree Vardhanam	Gents	9744815525

Hostel Committee

Suja Rani	9495918218
Suma S.	8129375603
Abdul Latheef	9447860512
Sujeesh G.	9446025047