

Centre for Professional and Advanced Studies

(Established by Govt. of Kerala)

Prospectus

2020-21



University College of Engineering, Muttom, Thodupuzha

Idukki- 685587

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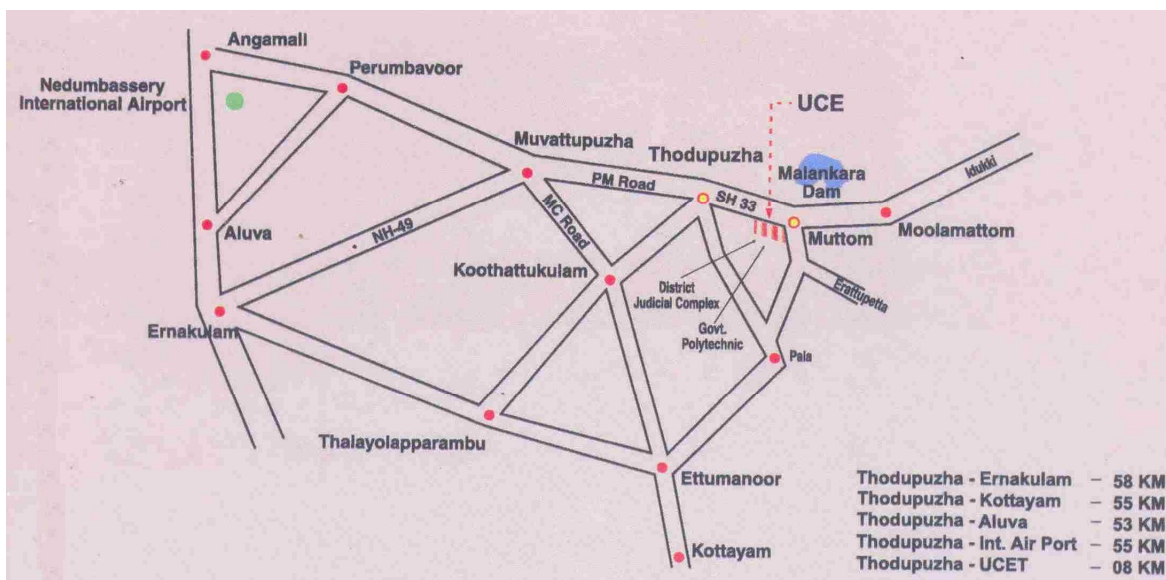
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University College of Engineering (UCE), located near Thodupuzha, is a premier institute of Engineering and Technology which is being run and managed by the Centre for Professional and Advanced Studies (CPAS) Kottayam, Kerala. This institute started functioning in 1996 at Thodupuzha and was later moved to its own campus at Muttom in May 2002. Courses conducted by the college have been approved by the All India Council for Technical Education (AICTE), New Delhi. The courses are affiliated to *APJ Abdul Kalam Technological University* from 2018-19 admission. All the previous batches were affiliated to Mahatma Gandhi University.

UCE Campus Location

The college campus is located at a picturesque place spread over 25 acres of land at Muttom, 7 km from Thodupuzha, by the side of State Highway No 33. The nearest attraction is the Malankara Dam which is constructed across the waters from the tail-gate of the Moolamattom Power House.



Objectives

- To be a centre of excellence in engineering education.
- Promote learning and creative community that strives to continuously advance the frontiers of knowledge.
- Foster effective capabilities for the development of high quality technical and scientific manpower.
- Instill communicative and character skills to excel in leadership roles.
- Prop up the students in their career placements by giving them appropriate training.

COURSES CONDUCTED BY

UNIVERSITY COLLEGE OF ENGINEERING, THODUPUZHA

The college conducts B.Tech. courses affiliated to A.P.J. Abdul Kalam Technological University (KTU), Thiruvananthapuram.

I. B.Tech. FIRST YEAR ADMISSION					
Sl. No.	Branch	Duration	Sanctioned seats + Tuition Fee Waiver	Eligibility	Selection
1	B.Tech. Computer Science & Engg.	4 year	60 + 3	<p><i>The eligibility for admission is based on the rules given in the prospectus of KEAM 2020 and amendments issued by Govt from time to time.</i></p> <p><u>GOVT. SEAT</u></p> <ul style="list-style-type: none"> Rank secured in the entrance exam conducted by the Commissioner for Entrance Exams. Pass the Higher Secondary (or equivalent) Exam, with 45% marks in Mathematics, Physics and Chemistry put together. If the candidate has not studied Chemistry, the marks obtained in Computer Science shall be considered. If the candidate has not studied Chemistry and Computer Science, the marks obtained in Biotechnology shall be considered. If the candidate has not studied Chemistry, Computer Science and Biotechnology, the marks obtained in Biology shall be considered. <u>Relaxation of Marks:</u> SC/ST/ SEBC/OEC/ candidates included in the PwD quota, the minimum marks required for admission shall be 5% less than that prescribed for general category. 	<ul style="list-style-type: none"> 95% seats will be filled by the Commissioner for Entrance Exams (CEE), Govt of Kerala Remaining 5% NRI seats will be filled by CPAS/ college Three TFW seats will be filled by the CEE
2	B.Tech. Electrical & Electronics Engg.	4 year	60 + 3		
3	B.Tech. Electronics & Communication Engg.	4 year	60 + 3		
4	B.Tech. Polymer Engg.	4 year	60 + 3		

				<p><u>NRI SEAT</u></p> <ul style="list-style-type: none"> • Candidates who have passed higher secondary (or equivalent) exam with 45% marks in Mathematics, Physics and Chemistry put together.* • Entrance Rank is not required. <p><i>*Eligibility may vary as per the amendments issued by Govt/ Management from time to time.</i></p> <p><u>TUITION FEE WAIVER (TFW) SEAT</u></p> <p>Based on entrance rank of students and the annual income of parents.</p>	
II. B. TECH 2nd YEAR (LATERAL ENTRY) ADMISSION					
	Branches as above			<p><i>Eligibility is based on the rules given in the prospectus for B.Tech. Lateral Entry course- 2020-21, published by the Govt. of Kerala.</i></p> <ul style="list-style-type: none"> • Candidates who have passed Diploma in Engineering/ Technology awarded by any State Board of Technical Education, or Institutions under Govt. of India after undergoing regular course of 3 years are eligible for writing the Entrance Exam. • The admission will be subject to regulations of the University. • Maximum age as on the last date of submission of application will be 30 	As per the rank list (based on the marks of diploma course) prepared by the Entrance Officer, Govt of Kerala

Fees for B.Tech. Courses

The tuition fees and special fees for each course are given below.

Description	Govt. Seat (Rs/-)				NRI Seat (Rs/-)				Tuition Fee Waiver Seat (AICTE scheme) (Rs/-)			
	I year	II year	III year	IV year	I year	II year	III year	IV year	I year	II year	III year	IV year
Admission fee	300	-	-	-	300	-	-	-	300	-	-	-
Student Administration fee for KTU	1000	-	-	-	1000	-	-	-	1000	-	-	-
Sports and Arts fees (KTU)	500	-	-	-	500	-	-	-	500	-	-	-
Caution deposit (refundable)	5000	-	-	-	5000	-	-	-	5000	-	-	-
Lab fee	250	250	250	250	250	250	250	250	250	250	250	250
Library fee	150	150	150	150	150	150	150	150	150	150	150	150
Stationery fee	50	50	50	50	50	50	50	50	50	50	50	50
Game fee	170	170	170	170	170	170	170	170	170	170	170	170
Magazine fee	50	50	50	50	50	50	50	50	50	50	50	50
Terminal exam fee	50	50	50	50	50	50	50	50	50	50	50	50
University Union fee	100	100	100	100	100	100	100	100	100	100	100	100
College union fee	50	50	50	50	50	50	50	50	50	50	50	50
Student amenities	50	50	50	50	50	50	50	50	50	50	50	50
Department association fee	50	50	50	50	50	50	50	50	50	50	50	50
Career guidance and placement	250	250	250	250	250	250	250	250	250	250	250	250
Student accident insurance	50	50	50	50	50	50	50	50	50	50	50	50
Youth festival fee	200	200	200	200	200	200	200	200	200	200	200	200
Medical fee	30	30	30	30	30	30	30	30	30	30	30	30
Total special fee	8300	1500	1500	1500	8300	1500	1500	1500	8300	1500	1500	1500
Tuition fee	35,000	35,000	35,000	35,000	50,000	50,000	50,000	50,000	-	-	-	-
Grand Total	43300	36500	36500	36500	58300	51500	51500	51500	8300	1500	1500	1500

Fee Structure for SC/ST/OEC Students

Description	Govt. Seat (Rs/-)			
	I year	II year	III year	IV year
Admission fee	300	-	-	-
Caution deposit (refundable)	1000	-	-	-
Grand Total	1300	-	-	-

Information About NRI Quota

1. 5% seats in each branch is reserved for students sponsored by Non-resident Indians (NRIs).
2. Candidates seeking admission in NRI quota shall visit www.cpas.ac.in to apply online and send the print out (via post) to the Principal, University College of Engineering, Muttom, Thodupuzha- 685587. Ensure that the print out is received by the addressee before the deadline. The deadline will be notified on the website. A copy of this print out has to be retained by the candidate for future reference.
3. Candidates applying for NRI quota shall remit an application fee of Rs 750/-.
4. **The applications shall submit the following documents at the time of admission. Sponsorship certificate, Employment certificate attested by the consulate/embassy, certificate regarding relationship with the applicant, copies of the relevant pages of passport of the sponsor and other relevant documents.**
5. No request for change from NRI quota to general category will be considered in future.
6. The admission will be based on a separate rank list prepared on the basis of marks of the qualifying exams. No rounding off of the percentage marks to the nearest whole number is permitted.
7. The unfilled seats in NRI quota will be converted into general category.
8. The candidate should attend the admission counseling at their own expense. If he/she fails to appear for the same or remit the fee in time, he/she will lose the chance.

Tuition Fee Waiver (TFW) scheme

As per the directions of AICTE, up to 5% of the sanctioned intake per course shall be available for the Tuition Fee Waiver scheme. These seats are supernumerary in nature. The Commissioner for Entrance Examinations (CEE) admits students in this category, based on merit of students and annual income of parents. The selected students need not pay the tuition fees; but need to pay all other fees of the institution.

General Information

1. The examination fee shall be remitted by each student to the university at the time of respective exams.
2. SC/ST/OEC students are exempted from examination fee as per Govt. norms.
3. Caution deposit shall be returned only on the completion of the course, after adjusting liabilities, if any.

4. GENERAL/SEBC students get scholarships through E-Grantz, Govt of Kerala, based on annual income.
5. Children of *Fisherman* get full scholarships through E-Grantz, Govt of Kerala, so as to cover the entire fees (excluding caution deposit and PTA contribution).
6. **How to remit the fees:** All fee payment should be through State Bank Collect link provided on the website. The fee shall be paid using Credit/Debit card or Net Banking or at SBI with the challan generated from the online transaction.
7. **Schedule of remittance:** Fee for the first semester/half year is to be remitted at the time of admission. For all subsequent semesters/half years, fee should be remitted without fine within the Fifth working day of May/June for the II, IV, VI, and VIII semesters/half years and the Fifth working day of December/January for the III, V, and VII semesters/half years; and there after within ten days with a fine of Rs. 100/-. A fine of Rs.10/- per day including holidays will be levied from the last day of remittance of the fine of Rs.100/-. This is applicable for online payment done at prior date but submitted after the last day of remittance without fine. However, the students are required to remit the fee within the cut off date mentioned by CPAS.

Department of Computer Science & Engineering

The course is designed to keep students at pace with the practical field. It is our objective that student should be able to pursue advanced studies in Computer Science on a competitive universal basis. The focus is on holistic learning and empowering students to make significant contributions at all levels through theory classes, laboratory sessions, seminar presentations and project work. The system of electives gives choices for students to develop expertise in their area of interest. The course is intended to cater to the ever changing demands of software industry.

Department of Electrical & Electronics Engineering

This department was introduced in 2002. In a short period, the department has turned out to be an enviable asset of the college with its dedicated and supportive faculty, good laboratory facilities, hardworking and energetic students. The department aims to equip the students with advanced knowledge in the field of Electrical and Electronics Engineering as well as professional skills necessary to face the challenges of the future.

Department of Electronics & Communication Engineering

While fulfilling the requirements of the syllabus prescribed by the University, the course goes much further and offers students the opportunity to work on diverse hardware and software platforms. The curriculum is designed so as to give adequate emphasis on the Analog and Digital processing of

information. The core programme is supplemented and further reinforced by a well-chosen set of elective courses. .

Department of Polymer Engineering

This department is unique in the field of Polymer science and technology education in the country. The B.Tech. Polymer Engineering course was initiated to meet the requirements of rubber and plastic industries. Polymer Engineering is a field that is growing every moment and has greater scope in future. The students are professionally trained in various industries in and out of the state, thereby nourishing themselves with the skill and expertise. Most of the alumni are in key positions in various industries as well as in Government undertakings.

Placements and Training at UCE

The Placement and Training Cell of UCE is headed by a senior faculty member. The cell concentrates on the following:

Conducting Aptitude Tests- Numerical, Logical Reasoning, Verbal Ability etc., Conducts Technical Aptitude Tests, Group Discussion Training, Preparation for GATE and CAT, Mock-tests by reputed firms, Personality Development Programmes, Communication Skill Development, Interview Training, co ordinates various Campus Placement Pool Drives by Multi National Companies in addition to Pre Placement Training activities. The cell also facilitates associations with industries /Industrial Training which helps in bridging Industry- Academia Gap.

Warning against Ragging

As per Supreme court/AICTE/UGC directions, if a student is found guilty in a ragging complaint, it will be viewed seriously and stringent disciplinary action will be taken, including expulsion from the college.

Dates to remember:

Last date to apply online and receive the printouts for candidates applying under NRI category

Courses	Apply Online	Receive print out at the college
All courses		

Place: Muttom

DIRECTOR

Date:

