

# COLLEGE OF ENGINEERING TRIKARIPUR

Cheemeni P.O., Kasaragod

Kerala ,India

PIN: 671313

INTERNAL QUALITY ASSURANCE CELL(IQAC)  
ANNUAL QUALITY ASSURANCE REPORT(AQAR)

2017-18



Submitted to  
National Assessment and Accreditation Council

# Annual Quality Assurance Report (AQAR) of the IQAC

## College of Engineering Trikaripur, Cheemeni

1<sup>st</sup> July 2017 – 30<sup>th</sup> June 2018



This is the AQAR of IQAC for College of Engineering Trikaripur affiliated to APJ Abdul Kalam Kerala Technical University. The report relates to the period July 1, 2017 to June 30, 2018. This has been prepared under the direction of the Principal and submitted to the BoG in accordance with the National Assessment and Accreditation Council, Bangalore - An Autonomous Institution of the University Grants Commission, Guidelines 2013, for the Submission of Annual Quality Assurance Report (AQAR) of IQAC in Accredited Institutions.



## COLLEGE OF ENGINEERING TRIKARIPUR

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

Approved By AICTE, Affiliated to APJ Abdul Kalam Technological University

An ISO 9001:2015 Certified Institution

Accredited with B+ Grade By NAAC

21<sup>st</sup> December 2018

To

The Director

The National Assessment and Accreditation Council (NAAC)

P.O. Box No. 1075, Nagarbhavi,

Bengaluru -560 072

Sir,

Sub:- Submission of Annual Quality Assurance Report(AQAR) for the year 2017-18

Ref:- NAAC Track ID KI.COEN27415

Warm greetings from College of Engineering Trikaripur, Cheemeni, Kasaragod

The College of Engineering Trikaripur offers 5 UG Engineering courses. The college is approved by AICTE and affiliated to CUSAT and APJ Abdul Kalam Technological University Kerala.

Our college has been NAAC accredited with B+ grade in the year 2017. I am pleased to present the Annual Quality Assurance Report (AQAR) of IQAC, College of Engineering Trikaripur for the year 2017-18 in accordance with National Assessment and Accreditation Council through E-mail. Kindly consider our AQAR submission and acknowledge the same.

Thanking you



With regards

Principal

PRINCIPAL  
COLLEGE OF ENGINEERING  
TRIKARIPUR, P. O. CHEEMENI  
PIN: 871 313

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## **Part – A**

### **Details of the Institution**

1. Name of the Institution : College Of Engineering Trikaripur Cheemeni

1.1 Name of the Head of the institution : Dr. Vinod Pottakulath

1.2 Designation: Principal

1.3 Does the institution function from own campus: Yes

1.4 Phone no./Alternate phone no.: 0467-2250377

1.5 Mobile no.: 8289890377

1.6 Registered e-mail: iqac@cetkr.ac.in

1.7 Alternate e-mail : tkrcapae@gmail.com

1.8 Address : Cheemeni P.O.

1.9 City/Town : Cheruvathur(via), Kasaragod

1.10 State/UT : Kerala

1.11 Pin Code : 671313

### **2. Institutional status:**

2.1 Affiliated / Constituent: CUSAT/APJ Abdul Kalam Technological University, Kerala

2.2 Type of Institution: Co-education

2.3 Location: Rural/Semi-urban/Urban: Rural

2.4 Financial Status: Govt. Sponsored Self financing  
(please specify)

2.5 Name of the Affiliating University: APJ Abdul Kalam Technological University, Kerala

2.6 Name of the IQAC Co-ordinator : Smt. Naveena A.K.

2.7 Phone no. : 9446440518

2.8 Alternate phone no. 0467-2250377

2.9 Mobile: 9946209277

2.10 IQAC e-mail address: [iqac@cetkr.ac.in](mailto:iqac@cetkr.ac.in)

2.11 Alternate Email address: tkrcapae@gmail.com

3. Website address: [www.cetkr.ac.in](http://www.cetkr.ac.in)

Web-link of the AQAR: (Previous Academic Year):  
<http://www.cetkr.ac.in/downloads/naac%20ssr.pdf>

4. Whether Academic Calendar prepared during the year? : Yes

Yes/No....., if yes, whether it is uploaded in the Institutional website: No

Weblink:

**IQAC Composition and Activities**

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 <sup>st</sup>	B+	2.52	2017	from: 27/11/2017 to: 26/11/2022

6. Date of Establishment of IQAC: DD/MM/YYYY: 13-10-2016

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Two academic audit conducted by internal and external auditors in each semester.	05-10-2017 05-12-2017 20-02-2018 21-06-2018	All department
College is an ISO 9001:2015 certified institution two MRM conducted during this period	April 2018	All department
EEE department applied for NBA, SAR uploaded and expecting the visit in November		

8. Provide the list of funds by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc. Nil

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

10. No. of IQAC meetings held during the year: 2

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website..... Yes.

**11.** Whether IQAC received funding from any of the funding agency to support its activities during the year?

If yes, mention the amount: No Year:

**12.** Significant contributions made by IQAC during the current year (maximum five bullets)

\* Internal Academic audit conducted.

\* Successfully completed two MRM audit of ISO

\* EEE department applied for NBA accreditation.

\* Two faculty members are Doctoral committee members of the APJ Abul Kalam Technological University, Kerala

\* One Faculty is Research guide in APJ Abul Kalam Technological University, Kerala

**13.** Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
1. Preparation for the NBA visit.	1. Revised SAR had been prepared and sent to NBA.
2. CCTV in Ladies Hostel and campus.	2. Initiated procedures to purchase CCTV system.
3. Purchase of Campus Management software.	3. Initiated procedures to purchase Campus Management software.

**14.** Whether the AQAR was placed before statutory body? Yes

Name of the Statutory body: College Council Date of meeting(s): 20-12-2018

**15.** Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

No

**16.** Whether institutional data submitted to AISHE: Yes/No: Yes

Year: 2017 - 18

Date of Submission: 02/03/2018

**17.** Does the Institution have Management Information System?

The IQAC suggested to implement a Campus Management System for the college. The Discussions are going on and the suitable one will implement in the next academic year onwards.

**Part-B****CRITERION I – CURRICULAR ASPECTS****1.1 Curriculum Planning and Implementation**

1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

**Vision of the Institution**

To be a premier institution in education and research for moulding technically competent and socially committed professionals.

**Mission of the Institution**

- Promote interdisciplinary research and innovation so as to meet the current needs of industry and society.
- Attract, nurture and retain the best faculty and technical manpower.
- Provide state of art facility for quality technical education.
- Develop personality and professional skills of the students through interaction with alumni academia and industry.

**Objectives of the Institution**

- Excel in all aspects of academic activity and produce socially responsible professionals.
- To create an environment for effective teaching-learning by encouraging the students and faculty to develop their intellectual curiosity, and scientific research capability.
- Regular monitoring and controlling the quality of all academic programs.
- To ensure the successful performance of the students in multidisciplinary ventures by developing their academic, co-curricular and extracurricular skills.

The institution meticulously plans for effective implementation of the curriculum. The process is given below:

- In the beginning of the academic semester, the respective teachers downloading their academic calendars (semester-wise academic schedule) comprising the entire schedule for the semester.
- Before the end of current semester, the subjects for next semester from curriculum are given to the faculty. The subject priorities of faculty are presented before the Head of the Department(HOD) and approved. Options are given to students for selecting the elective subject, which in turn is consolidated by the Tutor and presented to HOD.
- The academic committees discuss and plan overall semester activities.
- The opted subjects are allocated to faculty based on the field of specialization, number of times subjects taught and experience.
- Time timetable committee prepares timetable for each class and distributing to the respective faculty members.
- The concerned faculty for each subject prepares a course plan giving the topics of the syllabus and proposed date of completion of the topic.
- Course files are prepared and maintained by the faculty which includes syllabus, academic calendar, year calendar, course plan, teaching materials such as tutorials, assignments, internal test question papers, answer key, scrutiny form, previous year University question papers etc. The concerned faculty for each subject prepares a detailed lesson plan giving the units of the syllabus and proposed date of completion of the unit.
- Apart from regular classes, bridge courses and placement trainings are conducted to enhance the students succeed in their graduate level studies, enhance Problem Solving skill, Analytical Skills, Communication Skill and Presentation Skill.
- Workshops and expert talks are conducted to expertise students in concerned areas.
- The class/course committee monitors the conduct of the class/course, adherence to the course plan and time schedule, completion of the syllabus, and take suitable remedial actions regarding the conduct of the course.



- The Department approves the course plan for various subjects and Question paper screening committee scrutinizes the question papers submitted for internal examinations.
- The class committee monitors the conduct of all the subjects, overall performance of the students, faculty feedback, and other grievances faced by the students and take suitable remedial actions at the appropriate time.
- Placement coordinator handles placement programs and industrial visits.
- Faculty evaluations are taken from students and analysis is carried out for enhancing the teaching skills of the faculty.
- During PTA meeting attendance and marks of the students distributed to parents.
- Tutorial sessions are conducted to improve the problem solving skill and knowledge of the students.
- Remedial classes are given to the weaker student after the working hours of college.
- Institute has student IEEE chapters to keep pace with research and recent advancements.
- The progress of final year project is monitored regularly and the progress report is maintained by the respective guide.
- Faculty members are permitted to attend various training programs such as faculty development programs in various prestigious institutions like IITs and IIMs to update their knowledge base and improve teaching skills.
- For internal examination the examination cell Schedule and conduct examinations as per the college academic calendar by arranging examination halls and invigilators for the smooth conduct of examinations.
- Finally, at the end of each semester, University examinations are conducted to evaluate knowledge of students in the subject.
- Stock verification of laboratories is done to identify instruments which require repair or are obsolete.

**1.1.2 Certificate/ Diploma Courses introduced during the Academic year**

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development

**1.2 Academic Flexibility**

**1.2.1 New programmes/courses introduced during the Academic year : Nil**

**1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.**

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
1. B.Tech in Civil Engineering	✓		2016	✓	
2. B.Tech Ccomputer Science & Engineering	✓		2016	✓	
3. B.Tech Electronics and Communication Engineering	✓		2016	✓	
4. B.Tech Electrical & Electronics Engineering	✓		2016	✓	
5. B.Tech Information Technology	✓		2016	✓	

Already adopted (mention the year)

**1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year**

	Certificate	Diploma Courses
No of Students		

**1.3 Curriculum Enrichment**

**1.3.1 Value-added courses imparting transferable and life skills offered during the year**

Value added courses	Date of introduction	Number of students enrolled

Awareness on Digital Banking	25/12/2017	84
Awareness on Health and life style diseases by Dr. A.K. Venugopal, Pariyaram Medical College	26/12/2017	84
“Ayurvedavum Arogyavum” – Importance of Ayurveda in Health Care by Dr. Pradeep K., Govt. Ayurveda college Pariyaram	28/12/2017	84
Awareness on Child care and child rights by Mr. Shuhaib K., Child protection officer, DCPU, Social Justice department, Kasaragod	19/08/2017	60
Gender Equality by Mrs.Jini Joseph, Community counselling educator	19/08/2017	35
Awareness on How to control disease spread by Mosquitos by PHC Kayyur	17/06/2017	130

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
Dynamic Web Development using PHP	9
Information and Cyber Security- Ethical Hacking	5
Android and Java Technologies	1
Internship in Internet of Things	14
Internship in Web Development	5
HTML Soft skill training Introduction to Frameworks	
Introduction to Android & Java Pgm	9
Android Bootcamp	
Introduction to Kotlin	7
Dynamic web page development using PHP	2
Web development	9
Android	2
Public works department	13
Baker Associates & Consultants	15
Reena Engineers & Contractors Pvt. Ltd.	11
Vikram Constructions	14
Monsons Estate Builders & Developers	4
KELTRON, Kalliasseri, Kannur, Kerala	27
BSNL, Kannur	20
Doordarshan High Power Transmitter, Kannur	1
KELTRON, Kalliasseri, Kannur, Kerala	19
Internship training at construction sites	54
PWD Bridges section, Kanhangad	18
SEDC Group, Kasaragod	20
Space Developers Chalappuram, Calicut	11

K.K Constructions, Valayal, Keezhallur (P.O) Kannur	1
Advanced Java Programming	08
Cloud Computing	27
Android Programming	09

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

- Every department have constituted class committees consists of minimum of 4 student representatives, the faculty members handling the courses in the semester, class tutors , HOD and the chairman of the committee. Student's representatives are invited to express their views on the courses, and the feedback is collected by the chairman of the committee and submitted to the principal for further actions. A course outcome feedback is taken from the students at the end of each semester regarding the different aspects of the courses, including the curriculum.
- The college has an online feedback system where in each faculty handling course in the particular semester is evaluated by the students. It is conducted twice in a semester. Minimum 80% of the students are participated in the process. Head of the Department is responsible for conducting this evaluation. There are 11 questions, where students can express their honest opinion about the teachers. The indices used for assessment are performance, knowledge, sincerity, speed of presentation, punctuality, behavior, ability to organize lectures and attitude as perceived by the students. The results are tabulated and find the performance index of the faculty. The responses of the students are reviewed by HOD and results are shared with the respective faculty member, who can take the steps to improve his/her performance. The score obtained by the faculty in the evaluation process become handy when he/she appears for promotions.
- An exit-feedback is taken from students regarding the different aspects of the programme including the curriculum. Results of this programme exit survey are used for the indirect assessment of PO.
- Employer feedback and alumni feedback are taken to understand the industry demands. Based on this, necessary steps are taken to support the curriculum (eg: mini projects, seminars etc.).
- The gaps in the syllabi are discussed in the Departmental Advisory Committee meetings and appropriate measures are taken.
- Some of faculty members participate in the process of curriculum revision of the University so that, the feedbacks taken from the stakeholders can be used as guidelines for the same.
- The class committee meeting discussed the feedback on facilities of the college/departments. Discussions on the feedback so obtained are made in the department meetings and suitable actions are taken.
- University assigned academic auditor is interacting with the students once in a semester and get their feedback.
- Feedback form is circulated among the parents during all class PTA meeting. Feedbacks are arises from the parents about the facility in class PTA meetings and PTA executive meetings. Some decisions / actions are taken in the PTA executive meeting.
- College Union forms a good platform for providing feedback on college facilities in general. Decisions are taken based on such feedback.
- Survey on feedback on facility is conducted at the end of each semester.

**CRITERION II -TEACHING-LEARNING AND EVALUATION**

**2.1 Student Enrolment and Profile**

<b>2.1. 1 Demand Ratio during the year</b>			
Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
1. B.Tech in Civil Engineering			53
2. B.Tech Ccomputer Science & Engineering	60		53
3. B.Tech Electronics and Communication Engineering	60	NA	28
4. B.Tech Electrical & Electronics Engineering	60		31
5. B.Tech Information Technology	30		16

**2.2 Catering to Student Diversity**

**2.2.1. Student - Full time teacher ratio (current year data)**

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017-18	181	--	72	--	--

**2.3 Teaching - Learning Process**

**2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)**

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
72	59	Computers, projector, video conferencing, internet, NPTEL,	20	--	E-journals, E-book

**2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)**

The Counselling and Guidance Cell functioning in the institute provides personal, psycho-social support and guidance to students. It provides professional counselling to all students and individual counselling to needy students. Also a faculty advisor is assigned a maximum of 30 students who helps the students in academic and personal matters and provides all support in case of any grievance. The advisors maintain good relationship with parents to support such activities. In addition to that, Student Grievance Cell is functioning effectively in the campus to address grievances of students.

The institution understands that there are students who require extra care and attention in learning compared to other students. Advisors identify such students based on their performance in the internal assessment tests and overall conduct in class and within the campus. An advisor regularly meets these students to help them to overcome their stumbling blocks. Each department organizes remedial classes/peer-learning for those students who are struggling to cope with the demands of the course. Also, tutorial sessions in small group are provided for such students. Re-test and makeup tests are conducted for the slow learners. Regular motivation and counselling from the faculty and proctors also help the slow learners to overcome their barriers.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
834	72	1:15

<b>2.4 Teacher Profile and Quality</b>						
<b>2.4.1 Number of full time teachers appointed during the year</b>						
No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D		
72	72	0	Nil	5		
<b>2.4.2 Honours and recognitions received by teachers</b> (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )						
Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies			
<b>2.5 Evaluation Process and Reforms</b>						
<b>2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year</b>						
Program me Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination		Date of declaration of results of semester-end/ year- end examination	
			ODD Sem	EVEN Sem	ODD Sem	EVEN Sem
B.Tech.	B.Tech.	I year	24-11-2017	12-04-2018	16-02-2018	01-08-2018
B.Tech.	B.Tech.	II year	24-11-2017	12-04-2018	08-03-2018	22-08-2018
B.Tech.	B.Tech.	III year	24-11-2017	12-04-2018	28-03-2018	08-10-2018
B.Tech.	B.Tech.	IV year	25-10-2017	23-03-2018	31-01-2018	06-06-2018
<b>2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)</b>						
Two internal assessments and minimum of two assignments are taken to evaluate the internal marks for each theory paper. To assess the quality of the question paper scrutinization process is opted. Course Objectives(COs) are shown in the Question papers for internal assessment. Continuous evaluation of practical courses are evaluated based on the performance in the labs and the viva conducted in each lab. The information of attendance and internal marks are disseminated to the students after every Students are aware of the internal marks and attendance.						
<b>2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)</b>						
At the beginning of each academic year, the academic calendar prepared by the University and the						

institution strictly follows it. Based on the academic calendar of the University, Year calendar is prepared by the HoDs and presented in HOD meeting. The institute sets the year calendar in line with the academic calendar prepared by the University.

## 2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

[http://www.cetkr.ac.in/b.tech\\_cse.php](http://www.cetkr.ac.in/b.tech_cse.php)

2.6.2 Pass percentage of students

Program me Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
B.Tech.	Civil Engineering	68	66	97
B.Tech.	Computer Science & Engg.	54	53	98.5
B.Tech.	Electrical & Electronics Engg.	53	35	66.04
B.Tech.	Electronics & Communication Engg.	58	47	81
B.Tech.	Information Technology	0	0	0

## 2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

- Student's feedback on Teacher evaluation is collected twice per semester.
- Course exit survey is taken at the end of the course which will enables to evaluate the entire programmes, institution level achievements apart from the departmental performance evaluation.
- Graduate Exit survey is conducted on a yearly basis separately for each program.
- Feedback from students are also collected from the class committee meetings, interaction with students and parents, computerized feedback on courses and teachers, exit surveys, class/course committee meetings and parent teacher meetings.
- Faculty members are advised by the higher authorities based on the computerized students feedback and follow-up actions are suggested.

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 Resource Mobilization for Research

3.1.1 Research funds sanctioned and received from various agencies, industry and other organisations

Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored Projects				
Projects sponsored by the University/ College				

Students Research Projects (other than compulsory by the College)				
International Projects				
Any other(Specify)				
Total				
<b>3.2 Innovation Ecosystem</b>				
3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year				
Title of Workshop/Seminar	Name of the Dept.		Date(s)	
3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year				
Incubation Centre	Name		Sponsored by	
Name of the Start-up	Nature of Start-up		Date of commencement	
<b>3.3 Research Publications and Awards</b>				
3.3.1 Incentive to the teachers who receive recognition/awards				
State	National		International	
3.3.2 Ph. Ds awarded during the year (applicable for PG College, Research Center)				
Name of the Department		No. of Ph. Ds Awarded		
3.3.3 Research Publications in the Journals notified on UGC website during the year				
	Department	No. of Publication	Average Impact Factor, if any	
National				
International	CSE	1	0.38	
	IT	1	1.6	
3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year				
Department		No. of publication		
Computer Science & Engineering		1		
Civil Engineering		5		

3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index						
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)						
Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :					
No. of Faculty	International level	National level	State level	Local level	
Attended Seminars/ Workshops		1			
Presented papers					
Resource Persons					

### 3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers <b>co-ordinated</b> such activities	Number of students participated in such activities
NSS camp	NSS	2	84
Onam celebration at Ashyaya for Blind people	NSS	2	64
GENSIS	NSS in collaboration with Kayyur CheemeniGramapanchayath	2	60
“Malinyathil ninum Swathanthryam” – Zerowaste programme	NSS in collaboration with Kayyur CheemeniGramapanchayath	2	115
Provided Flagstaff for CheemeniAn	NSS	2	30



ganvadi				
“Punarjjani”-NSS Camp	NSS	2		65
3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year				
Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited	
3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year				
Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers <b>coordinated</b> such activities	Number of students participated in such activities
Swachh Bharat	NSS	Cleaning the campus and the Cheemeni town	2	130
Gensis	NSS	Awareness programme on Gender Equality	2	35
<b>3.5 Collaborations</b>				
3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year				
Nature of Activity	Participant	Source of financial support	Duration	
Checking the structural stability verification and Planning and Estimation of 8 houses in Valiya Paramba Panchayth(Under life mission project)	Mr. Soumyan K., Assistant Professor CE,	--	2017-18	
“Punarjjani” Camp (Repairing and renovation of equipments and other items at Govt. Ayurveda College Pariyaram)	NSS Coordinators and Volunteers	NSS Technical cell	June 2018	
3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year				
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant

3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year						
Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs			
ICT Academy of Kerala	24-07-2016	Train the trainers, Improve employability skills	Nil			
<b>CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES</b>						
<b>4.1 Physical Facilities</b>						
4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year						
Budget allocated for infrastructure augmentation			Budget utilized for infrastructure development			
70.4			65.39			
4.1.2 Details of augmentation in infrastructure facilities during the year						
Facilities			Existing		Newly added	
Campus area			1,03820 sq.m		0	
Class rooms			20		0	
Laboratories			34		2	
Seminar Halls			6		0	
Classrooms with LCD facilities			20		0	
Classrooms with Wi-Fi/ LAN			20		0	
Seminar halls with ICT facilities			6		0	
Video Centre			0		0	
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.			-		1	
Value of the equipment purchased during the year (Rs. in Lakhs)			-		7.35+0.76	
Others			-		NIL	
<b>4.2 Library as a Learning Resource</b>						
4.2.1 Library is automated {Integrated Library Management System -ILMS }						
Name of the ILMS software	Nature of automation (fully or partially)	Version		Year of automation		
KOHA	Fully Automatic	18.05		2016		
4.2.1 Library Services:						
	<b>Existing</b>		<b>Newly added</b>		<b>Total</b>	
	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>
Text Books	633	704565	717	290465	1350	995030
Reference Books	-	-	-	-	-	-
e-Books	322	439565	-	-	322	439565
Journals	38	90405	-	-	38	90405
e-Journals	7	1752853	3	1284303	10	3037156
Digital Database	1 (D-SPACE)	-	0	-	1	-
CD & Video	402	-	395	-	797	-
Library automation	1	-	0	-	1 (KOHA)	-

	(KOHA)					
Weeding (Hard & Soft)	NIL					
Others (specify)	NIL					

### 4.3 IT Infrastructure

#### 4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others
Existing	342	5	2	1	1	1	5	100 MBPS +10 MBPS	NIL
Added	0	0	0	0	0	0	0	0	NIL
Total	342	5	2	1	1	1	5	100 MBPS +10 MBPS	NIL

#### 4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS +10 MBPS

#### 4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	NIL

#### 4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e – content
NIL	NIL	NIL	NIL

### 4.4 Maintenance of Campus Infrastructure

#### 4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1660000	1430130	5380000	5108976

#### 4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

College of Engineering, Trikaripur is established under the auspices of the co-operative academy of professional education (CAPE), an autonomous society under government of Kerala. CAPE is providing adequate fund to meet all the financial requirements. It is a TEQIP funded institution. The annual budget and allocation of funds for regular monitoring of utilization of funds for maintenance ensures the upkeep of

the infrastructure in the institute. The college has an Infrastructure Committee which is assigned the task of maintenance and upkeep of the infrastructure. Each department has representatives in it. The civil works maintenance is taken care of by a Civil Engineer appointed by CAPE, for the up keep of the building structure and ensure its fitness for use. Constant maintenance works will be taken up round the year.

Further, the day to day maintenance of the general infrastructure is done by a Facilities Management Committee. Electrical maintenance is taken care of by an electrician appointed for the purpose. He is bestowed with the job of identification of faulty electrical fittings and their replacement throughout the year.

Each laboratory is under a lab in charge and assistant lab in charge. The technical staff of the laboratory performs the duty of maintenance and upkeep of equipments of each lab under the supervision of lab in charge. Maintenance registers are kept in all the departments to record all the maintenance work in lab. Annual stock verification of all the equipments of the college is done by a committee appointed by the Principal for that purpose. The campus networking centre is maintaining the IT services for all the stake holders of the college.

An indoor substation is placed within the campus to meet all the electricity requirements of the institution. Yearly maintenance of substation is done by electrical assistant engineer appointed by CAPE along with electrician of the institute, with the instructions given by Kerala State Electricity Board.

**CRITERION V - STUDENT SUPPORT AND PROGRESSION**

**5.1 Student Support**

**5.1.1 Scholarships and Financial Support**

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	E-grantz	178	26,22,051/-
Financial support from other sources			
a) National			
b) International			

**5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,**

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Intership assessment online exam	16-032018	12	Fourth Ambit
Quantitative Aptitude and Verbal reasoning	February 2018	42	Career Laucher
Career guidance and Hard skill Training	2Hrs/Week for each class	238	CGPC college of Engineering Trikaripur

**5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year**

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2017-18	Through Training and placement Cell	110	-	-	46
2017	GATE coaching(C E)	10		1	

**5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year**

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
Nil	Nil	Nil

**5.2 Student Progression**

**5.2.1 Details of campus placement during the year**

On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
QUEST	34	2	Ahmed alhamed group, civil engg	1	1
DIRECTI	25	0	CTS	17	1
JUSPAY	24	0	E & Y	2	1
			ECS business solutions	1	1
			E-matrix Bangalore	1	1
			Emeltro embedded systems	2	2
			Gadgeon	1	1

			Grapes innovative solutions	1	1
			Grown tek indian pvt ltd	1	1
			Hashwave	2	2
			Infosys	1	1
			JSW cement limited	1	1
			Mariapp - Marine Solutions Pvt Ltd	1	1
			Mesprosoft Pvt Ltd	1	1
			Pro inn technoelect	3	3
			Protec solutions kannur	2	2
			Quest global	3	3
			Secura project management ltd	1	1
			Shreyas electrical pvt ltd	2	2
			Supreme electrical pvt ltd	2	2
			Syntel	1	1
			TCS	7	1
			Thambus group	3	3
			Ultratech cement limited	1	1
			Virtusa	1	1

			Voltampere, kannur	2	2
			E K Technologies	18	0

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2017-18	1	B Tech	Electrical and Electronics Engineering	Vimal Jyothi Engineering College, Chemperi	M.Tech in Power Electronics and Drives
2017-18	1	College of Engineering Trikaripur	Dept of Civil Engg	Sardar vallabhbai national institute of technology	M.Tech
2017-18	1	College of Engineering Trikaripur	Dept of Civil Engg	SNGCT	M.Tech
2017-18	2	College of Engineering Trikaripur	Dept of Civil Engg	Vimal Jyothi Engg College	M.Tech
2017-18	1	College of Engineering Trikaripur	Computer Science and Engineering	Govt. Engineering College, Wayanadu	M.Tech in Computer Science

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected/qualifying	Registration number/roll number for the exam
NET		
SET		
SLET		
GATE		
GMAT	civil--1	AR18S41320064(civil)
CAT		

GRE		
TOFEL		
Civil Services		
State Government Services		
Any Other		

**5.2.4 Sports and cultural activities / competitions organised at the institution level during the year**

Activity	Level	Participants
Batminton(M)	KTU-Zonal	4
Batminton(W)	KTU-Zonal	4
Football	KTU... Zonal Winner., InterZone participation & South Indian Inter Engg.college winner.	6
Vollyball	KTU-Zonal	12
Cricket	KTU-Zonal	14
Athletics, chess & all above games	Intramural	Amost all students

**5.3 Student Participation and Activities**

**5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)**

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student

**5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)**

Every year students elect their representatives to form the College Students Union and their respective association secretaries through college union election. The college provides a college union fund, which is collected from the students for union activities along with the first installment of tuition fees at the beginning of each academic year and the same is credited to the college union fund. The college union has an Executive Committee consisting of:

- Chairman
- Vice-Chairman
- General Secretary
- Councilors to the Kerala University Union ( Two Members)
- Editor of the College Magazine
- Arts Club Secretary
- Secretary of Sports
- One member representing the students of each year elected by the students of respective year among themselves
- Two lady representatives elected by the lady students of the college from among themselves.
- Treasurer and Staff Advisor

The college has various academic and administrative bodies that have student representatives in them as given below:

- College Union
- Course Committee
- Hostel Committee
- National Service Scheme (NSS)



- Training and Placement Cell (TPC)
- Students Grievance Cell
- Women Cell
- Library Council
- Department Associations

All the activities in the college is organized by the above committee. College union celebrates all the festival like Onam and Christmas. Arts festival is conducted in every year and annual sports meets is also conducted in addition to the sports and games organized by universities. Student are very active in NSS and department association activities.

### 5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

No

5.3.2 No. of ~~registered~~ enrolled Alumni:

5.3.3 Alumni contribution during the year (in Rupees) :

Rs.1,74,000/-

5.3.4 Meetings/activities organized by Alumni Association :

1. Alumni association has donated 20 ear phones required in language lab.
2. Alumni association has funded for the construction of basketball court has completed on October 2017.
3. Scholarship awarded by alumni association is distributed to the following students on 22<sup>nd</sup> March during final year day celebration. The selection is based on merit and economically backward category.

1. Drishya P	-	S8 CE
2. Neethu P	-	S6 CE
3. Athiraraj	-	S8 CSE
4. Rashidha Farsana P	-	S6 CSE
5. Krishnapriya K P	-	S6 ECE
6. Megha V V	-	S8 EEE
7. Sanjay K	-	S8 EEE

4. Association has conducted four executive committee meeting during this period.

## CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year

The college has a Board of Governor (BoG) Headed by Dr. Sarith P sathyan, Associate Professor Department of Applied Mechanics, IIT Madras and eminent persons from academia and industry. Board of Governors is the body constituted to take all policy decisions with regard to smooth, effective and timely

implementation of the Institutional projects, ensure overall faculty development, implementation of all academic and non-academic institutional reforms, BOG monitors progress in the carrying out of all the proposed activities, resolve bottlenecks and enable the Institution to achieve targets for all key indicators.

Our working system follows a perfect decentralization of activities and delegation of authorities. Involvement of each and every one in the decision making at their respective levels is ensured through decentralization and delegation of powers. There are various Institutional committees consisting of faculty and staff members. There are various committees consisting of stake holders for example PTA, Alumni and college development council which provide financial assistance as and when required.

The top management provides a favorable environment to the faculty to enhance their academic capabilities. The faculty plays active part in various academic committees in the department and institution level. Major decisions are taken by Staff Council in which Principal is the chairperson, Head of the Departments and senior faculty members are members. Each departments are headed by senior most faculty member appointed by top management.

Department is headed by Head of the Department.

- All the departmental decisions (academic and administrative) are taken by the Heads of Department in consultation with the Principal and faculty/staff concerned.
- Presiding of class committee, course committee, class PTA, department staff meeting regularly.
- Delegation of powers such as subject allocation, assign tutors, proposing the class committee/ course committee chairman, approval of department timetable and assigning workload.
- Act as a permanent panel member in all the committees for selecting adhoc appointments.
- Analysis of appraisal of faculty members.
- Evaluation of appraisal of technical staff members.
- Co-curricular and Extra-curricular activities organized by the departmental association are led by HoD.

Also various faculty members have opportunities to hold the different responsibilities like:

- Institution level academic advisor
- Academic coordinator
- Placement officer
- IEDC coordinator
- Hostel warden
- R&D coordinator
- Finishing school coordinator

- Examination chief superindendant (CUSAT &KTU)
- Professional body members
- Class tutors, Staff advisor
- Lab-in-charge
- PTA secretary
- Arts secretary

6.1.2 Does the institution have a Management Information System (MIS)?

Yes/No/Partial:

The IQAC suggested to implement a Campus Management System for the college. The Discussions are going on and the suitable one will implement in the next academic year onwards.

## 6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

### ❖ Curriculum Development

The college is affiliated to APJ Abdul Kalam Technological University, Kerala and follow the curriculum and the syllabi followed by it. In the beginning of the academic year academic calendar is prepared by the respective faculties which will be approved by the IQAC and published in the college web site and distributed to all the department heads. Before the end of current semester, the subjects for next semester from curriculum are assigned to the faculty based on their choice by the HoD. Options are given to students for selecting the elective subject, which in turn is consolidated by the Tutor and presented to HOD. The academic committees discuss and plan overall semester activities. The concerned faculty for each subject prepares a course plan giving the topics of the syllabus and proposed date of completion of the topic.

### ❖ Teaching and Learning

Management support by providing adequate infrastructural facility, appointing well qualified and experienced faculties. Provide Wi-Fi facility to the whole campus to utilize the online resources. Faculty members are permitted to attend various training programs such as faculty development programs in various prestigious institutions like IITs and IIMs to update their knowledge base and improve teaching skills. Once the subject is assigned to a faculty, course files are prepared and maintained by the faculty which includes syllabus, academic calendar, year calendar, course plan, teaching materials such as tutorials, assignments, internal test question papers, answer key, scrutiny form, previous year University question papers etc. The concerned faculty for each subject prepares a detailed lesson plan giving the units of the syllabus and proposed date of completion of the unit.

### ❖ Examination and Evaluation

The Department approves the course plan for various subjects and Question paper screening

committee scrutinizes the question papers submitted for internal examinations. Internal assessments are conducted as per the rules of KTU. After the first and second module the first internal test will be conducted. The question paper for the second internal covers the topics in third and fourth module. Finally, at the end of each semester, University examinations are conducted to evaluate knowledge of students in the subject.

❖ Research and Development

- The college encourage the faculty to pursue Ph.D. by providing QIP leave.
- The college central library provides research oriented books and E-journal facility which comprises of the packages IEEE, ASCE and JGate.
- The college has both wired and wi-fi internet connectivity in all the laboratories, faculty cabin and hostel for the fast access of online resources.

❖ Library, ICT and Physical Infrastructure / Instrumentation

- The Library has an exhaustive collection of Technical books of more than 20000 volumes from all branches of engineering along with international and national Journals. The digital Library boasts off having latest collection of CDs. The Library is computerized and bar coding is used for searching and indexing of books. E-journal facility has been provided in our library which comprises of the packages IEEE, ASCE and JGate. Book bank facility has been provided for SC/ST Students. The Central Library is Fully Automated. KOHA open source Integrated Library Management system used for Library Automation. Bar-coding Labels are pasted in all books in the Library.
- All the class rooms are equipped with modern projectors and the college have 5 seminar halls.

❖ Human Resource Management

- The college is managed by Co-operative Academy of Professional Education(CAPE) Kearala. When ever the vacancy occurs CAPE will notify the vacancy in website and popular national dailies and the the employees are selected on the basis of merit through written test and interview.
- Leaves are provided as per the rules Kerala Service rules.
- Duty leave is provided for attending FDPs/Seminar/Workshop. In addition to this QIP leave is provided to pursue higher studies.
- Internal evaluations by students are taken twice in a semester which will help to improve the efficiency of teaching staff.

❖ Industry Interaction / Collaboration

- The college has signed MoU with the following organizations
  - ICT Academy Thiruvananthapuram
  - Infosys Campus Connect
  - Walrus Marine and Engineering Company Pvt. Limited
- Industrial visits are conducted regularly and the students undergo intership at reputed firms during semester break.

❖ Admission of Students

Admission of the students is purely based on the merit through the Common Entrance Examination conducted by the Government of Kerala. 95% seats are filled directly by the Commissioner for Entrance Examinations(CEE) from the the ranklist. 5% NRI quota seats are filled based on the marks obtained in the plus two examination.

6.2.2 : Implementation of e-governance in areas of operations:

❖ Planning and Development

Most of the palnning and development activities are done as per government rules and regulations. As per the executive committee decisions of the management the most of the development activities are conducted on e - governance pattern of Government of Kerala. The construction as well as purchase activities are done on e-tendering process. A separate engineering wing is established in the college for these types of activities under the Assistant Engineer. Faculty members are also members for the procurement process. The Purchase under TEQIP – II scheme was done on PMSS (Procuremnet Management Support System). Right now the maintenance are also doing under this system.

❖ Administration

Administration is also under the e – governance system of Government of Kerala. Eventhough the college is situated in a remote area (North Malabar region of Kerala) the college thrives to attain the latest tools of administration with available tools in hand. There is an effective watsapp group for disseminating data from the top to bottom management and for effective group discussions. It helps to provide the brief of any event to be happened in the college. The college campus is equipped with CCTV cameras at very place of need.

❖ Finance and Accounts

The college uses the Tally software for transparent functioning of Finance and Accounts. This helps increased efficiency of staff towards the accuracy in financial transactions. The students fees are collected in online mode. Hence 100% of the financial transcatons are digitalised. All the book of accounts are audited externally by the Management every year. The administrative department maintains books of accounts in a perfect manner.

❖ Student Admission and Support

Right now the admission sytem is synchronized with the APJ Abdul Kalam Technological University (KTU), which is fully digitalized. University provides a separate portal for the affiliated institutes which enables us to create a database of admitted students. Complete information regarding any student can be fetched at any time. There are a lot of amandatory committees for the student support such as Student Welfare Committee. Disciplinary Committee, Grievence and Appeals Committee etc. Separate email id for each committee is maintained so as to enable the students to place their grievances and the committees will meet once in a month to corrective action if necessary. Separate drop boxes are also placed in the campus, for easy access and placing the complaints. Separate KTU support is also provided for student support.

❖ Examination

The college has a separate examination wing for conducting KTU as well as CUSAT examinations. Both the cells are fully digitalized. The internal exams are conducted by a separate Internal Examination cell. The questions are prepared by the faculty member is scrutinized by the IQAC

and then only it is finalized. The end semester examination is conducted by KTU. The overall process of conducting examination in KTU is made online. The students have to submit the application form in their portal and pay the fees in the college through online challan provided in the college website. The hall ticket for eligible candidates are downloaded from the college KTU-ID and distributed.

### 6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support

6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Workshop on Python-Effective teaching Methods	2	19-07-2017 to 21-07-2017
Workshop on Data Analytics and Machine Learning using Python and R	5	5-03-2018 to 10-03- 2018
FDP on Deep Learning for Image and Text Analysis	1	13-11-2017 to 25-11 2017
FDP on Machine Learning	1	23-04-2018 to 27-04- 2018
One day Natonal workshop on Research Publishing and Plagiarism	1	6 <sup>th</sup> June 2018
Algebra, Analysis and related topics	2	16-02-2018 to 17-02-2018
Power Quality and Custom Power Devices	2	27-08-2017 to 02-09-2017
Hands on Training in power system software	1	27-11-2017 to 01-12-2017
Workshop on Engineering Geotechnical aspects of transportation Engineering	1	25-01-2018 to 26-01-2018
STTP on seismic damage mitigation of structures	1	21-03-2018 to 23-03-2018
AICTE sponsered short term training	1	12-02-18 to

education technology				17-02-18
6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):				
Teaching		Non-teaching		
Permanent	Fulltime	Permanent	Fulltime/temporary	
Nil	Nil	Nil	Nil	
6.3.5 Welfare schemes for				
Teaching	<ul style="list-style-type: none"> <li>➤ EPF with pension scheme is implemented for all the employees working in the college.</li> <li>➤ An active staff club is working in the college which makes staff members more energetic by organizing entrainment programs and games. Staff club also conduct a chit fund to financially support the required staff.</li> </ul>			
Non teaching				
Students	<ul style="list-style-type: none"> <li>➤ Various scholarships provided by the government of Kerala and PrimeMinister scholar ships can be availed by the students.</li> <li>➤ Students from poor financial background are excempted from paying PTA and other fee.</li> <li>➤ Tuition feewaver scheme can be availed by students with excellent academic background.</li> <li>➤ PTA provide cash award to toppers in each semester.</li> <li>➤ Alumni provide cash award to financially poor meritorious students.</li> <li>➤ Various endowment awrds are distributed every year.</li> </ul>			
<b>6.4 Financial Management and Resource Mobilization</b>				
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each)				
The institution has two types of audit 1. External audit conducted annually by CAPE. 2. Internal audit conducted annually by college administration.				
6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)				
Name of the non government funding agencies/ individuals		Funds/ Grants received in Rs.		Purpo se
Nil				
6.4.2 Total corpus fund generated 3 Lakhs				
<b>6.5 Internal Quality Assurance System</b>				
6.5.1 Whether Academic and Administrative Audit (AAA) has been done?				
Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	KTU	Yes	Internal Audit Cell
Administrative	Yes	CAPE	Yes	Principal
6.5.2 Activities and support from the Parent – Teacher Association (at least three)				
➤ Parent Teacher meetings are conducted regularly for the betterment of students for their studies and to provide necessary aminites to the students.				

<ul style="list-style-type: none"> <li>➤ PTA conducted bridge course for the newly inducted Engineering students</li> <li>➤ PTA encourage students through cash awards. Semester toppers of all branches are awarded with the cash prizes.</li> <li>➤ Financially supported by improving campus facilities by providing fund for innovating auditorium and campus beautification.</li> </ul>															
<b>6.5.3 Development programmes for support staff (at least three)</b>															
<ul style="list-style-type: none"> <li>➤ Provision for part time study for staff members</li> <li>➤ Supporting staff attend various workshop in their respective domain to improve their knowledge.</li> <li>➤ Softskill training programme is also provided to supporting staff.</li> </ul>															
<b>6.5.4 Post Accreditation initiative(s) (mention at least three)</b>															
<ul style="list-style-type: none"> <li>➤ Applied for NBA by EEE department.</li> <li>➤ Other departments are taken initiatives for NBA accreditation.</li> <li>➤ TPC introduced more traing programmes to increase placement.</li> </ul>															
<b>6.5.5</b>															
a. Submission of Data for AISHE portal : (Yes /No)Yes															
b. Participation in NIRF : (Yes /No)No															
c. ISO Certification : (Yes /No)Yes															
d. NBA or any other quality audit : (Yes /No)No															
<b>6.5.6 Number of Quality Initiatives undertaken during the year</b>															
<table border="1"> <thead> <tr> <th>Year</th> <th>Name of quality initiative by IQAC</th> <th>Date of conducting activity</th> <th>Duration (from-----to-- ----)</th> <th>Number of participants</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-- ----)	Number of participants										
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-- ----)	Number of participants											

**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 - Institutional Values and Social Responsibilities**

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period (from-to)	Participants	
		Female	Male
Gensis		23	12

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:  
Percentage of power requirement of the College met by the renewable energy sources

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	Nil
Provision for lift	No	Nil
Ramp/ Rails	Yes	Nil
Braille Software/facilities	No	Nil
Rest Rooms	Yes	All Girls
Scribes for examination	No	Nil
Special skill development for differently abled students	No	Nil



Any other similar facility		No	Nil			
<b>7.1.4 Inclusion and Situatedness</b>						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2017-18	2	2	15 <sup>th</sup> August 2017  24/06/2018 to 30/06/2018	“ Malinyathil ninnun Swathanthryam” –Zerowaste programme  “Punarjjani” Camp	Removal of waste  Repairing and renovation of equipments and other items at Govt. Ayurveda College Pariyaram, Kannur	Students:115 Staff:4  Students:65 Staff:4
<b>7.1.5 Human Values and Professional Ethics</b>						
Code of conduct (handbooks) for various stakeholders						
Title	Date of Publication	Follow up (maximum 100 words each)				
Code of conduct for students	August 2017					
<b>7.1.6 Activities conducted for promotion of universal Values and Ethics</b>						
Activity	Duration (from-----to-----)	Number of participants				
<b>7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)</b>						
<ol style="list-style-type: none"> <li>1. Efforts towards carbon neutrality by planting trees around 500 trees.</li> <li>2. Constructed Rain water recharge pits.</li> <li>3. Follows Green protocol.</li> <li>4. Seggregation of bio-degradable and non-degradable wastes.</li> <li>5. Removal of canteen wastes by making tie-ups with local animal farms.</li> <li>6. Organic farms.</li> <li>7. Greenaudit.</li> </ol>						
<b>7.2 Best Practices</b>						
<ol style="list-style-type: none"> <li>1.Consultancy activity with free of cost - Structural stability verification, and planning and estimation of houses under <i>Life Mission Project</i>, Govt. of Kerala.</li> <li>2. Academic auditing – Conducted twice in a semester by internal auditors and external auditor.</li> </ol>						

**8. Future Plans of action for next academic year (500 words)**

The main objective of the institution is to become a premier institution in state by accrediting all the programmes by NBA.

Successfully complete the NBA expert team visit in EEE branch, and start the preliminary works of preparing the Self Assessment Report (SAR) for other 4 branches.

TPC chalked out different activities to improve the placement of the students. TPC offers the training programmes to the first year students also.

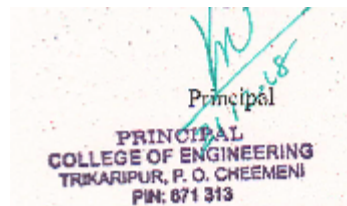
To improve the academic result, IQAC ensures the academic auditing periodically (twice in a semester).

Plans to conduct technical exhibition to improve the technical skills of students.

Submitting the different project proposals to get the funding from the Central and State.

Name :Naveena A.K

Name : Dr. Vivod Pottakkulath



\_\_\_\_\_  
*Signature of the Coordinator, IQAC*

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*Signature of the Chairperson, IQAC*

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**Abbreviations:**

CAPE	-	Co-operative Academy of Professional Education
CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
CUSAT	-	Cochin University of Science and Technology
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
KTU	-	Kerala Technological University
MRM	-	Management Review Meeting
NBA	-	National Board of Accreditation
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SAR	-	Self Assessment Report
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TPC	-	Traing and Placement Cell

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**COLLEGE OF ENGINEERING TRIKARIPUR  
ACADEMIC CALENDER Aug 2017 -April 2018**

**VISION**

To be a premier institution in education and research for moulding technically competent and socially committed professional

**MISSION**

- > Promote interdisciplinary research and innovation so as to meet the current needs of industry and society
- > Attract, nurture and retain the best faculty and technical manpower
- > Provide state of art facility for quality technical education
- > Develop personality and professional skills of the students through interaction with alumni academia and industry

July		August		september	
1		1	S1,S3,S5 Classes commences	1	Onam vacation
2		2		2	
3	S7 Registration	3		3	
4	S7 class commences	4		4	
5		5		5	
6		6		6	
7		7	Course/class committee meeting	7	
8		8		8	
9		9		9	
10		10		10	
11		11		11	
12		12		12	
13		13		13	INQUA/ KTU Publish attendance
14		14		14	INQUA
15		15		15	INQUA
16		16	Registrartion ends	16	INQUA / KTU test 1 to be completed
17	Commencement of orientation programme for 1 year students	17		17	INQUA
18		18		18	
19		19		19	
20		20		20	
21		21		21	
22		22		22	Publish test 1 marks
23		23		23	

24	AICTE orientation programme	24		24		
25	AICTE orientation programme	25		25		
26	KTU orientation programme	26	I series test (s7)	26		
27	Sankethapravesam 2017	27		27		
28	KTU orientation programme	28		28		
29		29	I series test (s7)	29		
30		30	I series test (s7)	30		
31		31				
<b>October</b>		<b>November</b>			<b>December</b>	
1		1	University examination	1	s8 class commences	
2		2		2		
3		3		3		
4		4		4	Commencement of S1,S3,S5 exams. Exam s1/s5 slot A	
5		5		5	Exam S3 slot F	
6	Publish attendance	6		6	Exam S1/S5 slot B	
7		7		7	Exam S3 slot A	
8		8		8	Exam S1/S5 slot C	
9		9		9		
10		10		10		
11		11		11	Exam S3 slot B	
12		12		12	Exam S1/S5 slot D	
13		13		13	Exam S3 slot C	
14	II series test (s7)	14		14	Exam S1/S5 slot E	
15	II series test (s7)	15		15	Exam S3 slot D	
16	II series test (s7)	16		16		
17		17		17		
18		18	Zonal level sports meet to be completed	18	Exam S1/S5 slot F	
19		19		19	Exam S3 slot E	
20	KTU test 2 to be completed	20		20		
21	KTU- college level sports meet to be completed	21	Course/class committee meeting	21	KTU Sports meet	
22		22		22		
23		23	Last date for evaluation of Jury/ Practicals	23	Christmas vacation	

24		24	KTU Classes end. Publish internal marks, Publish attendance	24
25	S7 class ends	25		25
26		26		26
27		27	Forward attendance and internal marks to KTU	27
28		28		28
29		29		29
30	Publish test 2 Marks	30		30
31				31

January		February		March	
1	KTU Registration starts -even semesters	1		1	
2		2	Publish attendance	2	Publish attendance KTU
3		3		3	
4		4		4	
5		5		5	
6		6		6	
7		7		7	
8	Course/class committee meeting	8		8	KTU - last date for forwarding list of external examiners to KTU by cluster conveners
9		9	Btech KTU S1,S3,S5 result declaration	9	
10		10	Test 1 - ktu - to be completed	10	Test 2 to be completed
11		11		11	
12	KTU registration ends	12		12	II series test (s8)
13		13		13	II series test (s8)
14		14	Publish test 1 mrks	14	II series test (s8)
15	I series test (s8)	15		15	
16	I series test (s8)	16		16	Publish test2 marks -KTU
17	I series test (s8)	17	KTU tech fest	17	
18		18		18	
19		19		19	
20		20		20	
21		21		21	
22		22		22	
23		23		23	s8 class ends
24		24		24	
25		25		25	
26		26		26	
27		27		27	

28		28		28	
29				29	
30				30	
31				31	

April		May		June	
1		1		1	Commencement of supplementary exams exam s1 slot A
2	CUSAT University examination	2	exam s2/s6 slot D	2	
3		3	exam s4 slot C	3	
4		4	exam S2 slot E1/ s6 slot E	4	exam s3 slot A
5		5		5	exam s1 slot D
6		Course/class committee meeting	6		6
7	College arts to be completed	7	exam s4 slot D	7	exam s1 slot F
8		8	exam s2 slot E2/ s6 slot F	8	exam s3 slot C Btech s4 result declaration
9	Publish internal marks - KTU, Summer course registration	9	exam S4 slot E	9	
10		10	Exam S2 slot E3- commencement of summer courses	10	
11	Last date for evaluation of jury/ Practicals	11	exam s2 slot F1 - Last date for submission of project report in college Mtech	11	Exam s3 slot D
12	KTU class end, Publish attendance	12		12	exam s3 slot E
13	Forward attendance and internal marks to KTU	13		13	
14		14	Exam s2 slot F2	14	Btech S6 result declaration
15		15		15	
16		16	KTU university arts	16	
17		17		17	
18		18		18	
19		19		19	
20		20		20	Mtech viva ends
21		21	Exam S5 slot A supply	21	exam s3/s4 slot F1
22		22	Exam S5 slot B supply	22	Btech s2 result declaration exam s3/s4 slot F2
23	Commencement of S2/S4/S6 EXAMS S2/S6 Slot A	23	Exam S5 slot C supply	23	
24	exam s4 Slot F	24	Exam S5 slot D supply	24	
25	exam S2/s6 slot B	25	Exam S5 slot E supply	25	exam s4 slot A
26	exam s4 Slot A Mtech project report by dept. committee	26		26	exam S4 slot B
27	exam S2/s6 slot C	27		27	exam s4 slot C

28		28	Exam S5 slot F supply	28	exam s4 slot D
29		29	Mtech report to university by principal	29	Publish Mtech results exam s4 slot E
30	exam s4 Slot B	30	Summer courses ends	30	
		31	Report eligibility of students after summer courses		