YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	College of Engineering Trikaripur
• Name of the Head of the institution	Dr. Vinod Pottakulath
• Designation	Principal(in-charge)
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04672250377
• Mobile No:	8289890377
• Registered e-mail	tkrcape@gmail.com
• Alternate e-mail	iqac@cetkr.ac.in
• Address	College of Engineering Trikaripur
• City/Town	Cheruvathur
• State/UT	KERALA
• Pin Code	671313
2.Institutional status	
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Grants-in aid

• Name of the Affiliating University	**A.P.J Abdul Kalam Technological University**
• Name of the IQAC Coordinator	**Dr. Naveena A.K**
• Phone No.	**04672250377**
• Alternate phone No.	**04672250977**
• Mobile	**9446440518**
• IQAC e-mail address	**iqac@cetkr.ac.in**
• Alternate e-mail address	**naveenaak@gmail.com**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://cetkr.ac.in/aqar.php
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://cetkr.ac.in/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B+**	**2.52**	**2017**	**27/11/2017**	**26/11/2022**

6.Date of Establishment of IQAC	**13/10/2016**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institutiional al	**TEQIP**	**MHRD**	**2012**	**100000000**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of IQAC	View File
9.No. of IQAC meetings held during the year	**3**

• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	**Yes**
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**
• If yes, mention the amount	

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

Compliance reported of Electrical and Electronics Engineering Department submitted to NBA

Computer Science and Engineering department started data collection initiated SAR filing to NBA

Organized National Conference in December 2021

Conducted Induction programme for the first year students

Organized Entrance Coaching for the KEAM and conducted online test

12.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
Renewal of NBA of EEE department	**Successfully completed the NBA visit of EEE department in October 2022**
Applying for NBA of CSE department	**SAR of CSE department submitted in the NBA portal**
Conduct Seminar, FDP and Conference	**Applied for FDP to KTU. Conducted National Conference**
Conduct Entrance Coaching and improve the admission	**Conducted coaching class for KEAM and LET. Admission improved compared to the last year**

13.Whether the AQAR was placed before	**Nil**

statutory body?	

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022	01/07/2022

15.Multidisciplinary / interdisciplinary

Our Institution has made a concise effort to promote the research culture among the faculty and students. This is evident from the defined vision of the institute, which states the following, "To be a premier institution in education and research for moulding technically competent and socially committed professional". Research as such is a multi-disciplinary tool and hence the improvisation of the vision is to infuse the multi-disciplinary approach among the participants.The College of Engineering Trikaripur is affiliated to A.P.J Abdul Kalam Technological University. The curriculum for the university is updated in 2019 and the revised curriculum include the Basic Science courses, Engineering Science courses, Humanities and social science including management courses, mandatory non-credit courses in addition to core engineering subjects in each branch.

In 2019 scheme university introduced minor and honor courses. Minor course allow students to earn additional 20 credit and B.Tech certificate will be Bachelor of Technology in branch with Minor in specialization. Minor course allows to gain interdisciplinary experience and exposure to concepts and perspective not in major degree. The college offers minor courses in almost all departments.

The students of College of Engineering participate in the STEM out reach programme organized by IEEE Pune section for the last three years and the awareness of technology in the field of agriculture and other areas are explained to the student of Higher Secondary students

The new syllabus include the courses 1) Sustainable Engineering 2)

Professional Ethics 3) Constitution of India like humanities subjects for all branches of Engineering Hence the students can achieve a holistic and multidisciplinary education.

The students have to do project design in the sixth semester and Project in last year. The department allows the students to select the project in multidisciplinary.

The institution has improved the flexibility in selection of courses. Global electives are being offered and the criteria for selection of subjects is based on the requirements and willingness of the students. The subjects offered under global electives are social oriented. To name a few, following are some of the subjects which we offer Disaster management, environmental assessment, operations research, energy conservation management. All these are credit based subjects. Also, it can be observed the global electives have a direct social impact on the students and can significantly help in building the society.

The university introduced B.Voc courses in 2019 scheme and Students would get an opportunity to opt for them after BTech second semester examination. They can pursue higher studies as well. These colleges would be able to conduct several of these courses in association with Additional Skill Acquisition Programme (ASAP). Students who do well in their studies, too, can opt for vocational courses in the middle of their B.Tech course and then complete their engineering degree. The vocational courses would be designed in accordance with the specifications in the National Skills Qualification Frame work(NSQF).

16.Academic bank of credits (ABC):

The institution believes in collaboration of higher institutes that will enable inflow of ideas from various other senior faculty across globe.

The institution has taken many a step towards achieving this. One such effort was the eminent faculty from Education sector of Malaysia interacted with our faculty members and students. The institution has initiated the steps for collaborating with SEGI university of Malaysia. Dr. Madhubala Bava Harji visited our institution in this regard and had various sessions of interactions with our Institutional team. The effort for collaboration is under process and by the end of 2023, we expect the institution to have foreign institutional support for shaping the careers of our students.

Our institution has an official MOU signed with a nearby institution (College of engineering Thalaserry) for exchange of technical support including sharing of laboratory facilities to students and knowledge sharing among faculty members. This has enabled both the parties to sharpen the institutional requirements.

Even though the university provides us the syllabus that to be taught, our faculty indulge in various pedagogical improvisation. We imply peer to peer learning methods, virtual learning methods, group discussions, quizzes, interactive visualization hours through smart monitor and also by group seminars. The faculty also invite industrial experts to handle a few sessions to give the extra dimension in learning.

Faculty give semester projects that ensure the deep understanding. The topic of the selection is generally multi-disciplinary and also beyond the syllabus but within the curriculum. During the project presentation, the students are encouraged to present samples/algorithms/replica models to demonstrate their selected theme. Finally they submit their reports to the head of departments.

Institution also facilitates nearby industry one day visits that enable the faculty to demonstrate their lecturing more practically.

In 2019 curriculum APJ Abdul Kalam Technological University introduced credit transfer. The board of governors of KTU has also proposed to make suitable changes in the B.Tech. course for credit transfer. Using the facility, engineering students, if they wish, would be able to pursue non-engineering courses by other universities.

The college is registered with Nation Academic Depository(NAD). Even though the college is registered in NAD since the college is affiliated to A.P.J Abdul Kalam Technological University college does not issue degree certificate and credit. The university enter all the details of the students in the university portal and the results are published in the student's portal. A tutor is assigned for each student and tutor can view the credits earned by the student at any time.

 The university allow the students to do NPTEL-SWAYAM courses offered by the IIT and the credit earned can be transferred and it

will be added with credit earned for the honour courses.

The College of Engineering Trikaripur has a registered Local chapter of NPTEL-SWAYAM and the college got active status in the year 2020-21.

The college has a college management system(CMS) and faculties, staff and students are registered in the CMS. The faculties can upload the teaching materials and the marks of assignment and internal examination in the CMS.

17.Skill development:

Soft Skills training gives a comprehensive understanding of the true perspective of application of skills as expected at the present work scenario. Therefore, examples, case studies, and exercises are tailor-made to suit the needs of students of our college have been provided.

To improve their soft skill, students can make use of this training to understand the essentials of language skills. Understanding Different Speech Sounds, Learning Pronunciation, Speaking Without Errors, Building Conversations, Understanding Non-verbal Communication, Formal and Informal Communication, the right Etiquette for Public Speaking and Business Presentations, Personality Development and Building Self-Esteem, Team Building and Group Discussion, Facing Different Types of Interviews with Confidence and Preparing for and Delivering Successful Business Presentations are some areas students become familiar with. All these are done and executed through credit and non-credit system using the language lab.

We take the skill development very seriously and hence the institute has an official ADDITONAL SKILL ACQUISITION PROGRAMME (ASAP) section. ASAP is a Kerala Government inducted program and the government has authorized and funded us there by developed a full-fledged lab inside our premises. We are conducting various job oriented courses and all these activities are beyond the curriculum.

The college has a Skill and Knowledge Development Centre(SKDC) unit to conduct the various training programmes. Skill and Knowledge Development Centre(SKDC) is a new venture in the field of Professional Education. SKDC offers training and consultancy

services to corporate and organizations. It has successfully provided training programme for the elected members of Kerala Grama Panchayat members. The SKDC also conducted two programmes for the students. One on Electric vehicles and another on electric system design.

Every year college conduct induction programme for the first year students to welcome the students to college campus as well as to prepare the students to study engineering subject and introduce and implement universal human values in their life and career. The first year syllabus include the subject Life Skill which promote the students to become a good professional at the end of the programme.

Institution has subjects like professional ethics, principles of management etc. to educate the students to participate in health social building. Also our Institution has a professional counsellor, who interacts with the students to de-stress them and also to add up values in their approach. Institute organizes YOGA classes frequently. Thus the Institute promotes ahimsa and peace among the students and also the faculty.

Institute has incubation cells in department level and IEDC cell coordinates the activities. The industrial MOUs help us in organizing programs to promote entrepreneurial activities.

Apart from these, institution has a recognized IEEE student chapter, which conducts yearly programs to enrich the students with additional skills.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

During the lock down period in connection with COVID19 pandemic, many faculty developed a habit of making the video lectures in online repository. This immensely helps the students to revisit the concepts that couldnt be understood in class rooms. Also the institution promotes MOOC courses that are conducted by higher institutes like IIT. Many students and faculty are participating in NPTEL conducted courses and are getting certificates for it. Moreover, the institution takes help from premium Institutes through the virtual labs. Infact, our Institution have signed various MouS with few higher institutes to utilize the virtual labs.

Technical Group Discussions are held occasionaly in department and

the medium of the language used is malayalam. This not only helps in triggering the thought process of the students, but also make them to concisely think technical terminologies in their mother tongue. every year we conduct writing and speech competitions in various languages to promote the usage of traditional languages like malayaam and Hindi.

To protect the Indian culture and traditions, we organise various cultural events yearly. Students learn and perform oldest traditonal arts like Kuchupudi, chenda melam,Kathak etc. The institution provides the window for learning old traditional arts and also motivates students to flourish in it by conducting prize events.

The college conduct Yoga training and celebrates Yoga day every year with participation from staff and students.

Being an Engineering institution affiliated to university, college has limitation in implementing teaching in Indian language. The students have to write the examination in English. Faculty explains the concepts in mother tongue (Malayalam) and also in English. In addition to the technical books college library has a good collection of Malayalam books.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Outcome-Based Education is a student-centered learning model that helps teachers to plan the course delivery and assessment with the end point in mind which has been implemented to attribute the various outcomes like program specific outcome and course outcome, it remains the base and tools used to measure the student performance .It mainly requires the active participation of teachers in the departments ,since it needs to develop effective teaching and assessment methods which helps to capture both the learning and performance of the learners. After that the attainment of CO should be measured and it has to mapped with the blooms taxonomy.The Institution ensures that Program outcomes, Program specific outcomes and course outcomes of all the programs are clearly stated in many places, that include the test question papers. Moreover, the evaluation of assignment and internal examination is based on course outcome. The attainment level of each courses is finalized in the department meeting. A good practice followed by the institution is, college analyses the outcome of students after each internal examination and remedial classes are arranged for all the students whose attainment is below the target. Measures are taken at various levels to ensure that the faculty and the students are made aware of the outcomes. Every department has a advisory board and regulare

meetings are held to monitor the outcomes and also to device new strategies, if required. Inshort, the entire outcome is being monitored and evaluated continously and rigorously.

It is to be noted that, our faculty are trained in Outcome Based Education by the Teaching Learning Centre, IIT Madras. The college conducted a programme on Examination Reforms for OBE in January 2019.

20.Distance education/online education:

All the class rooms are smart class rooms with projector and screen and our faculty deliver their lectures through the ICT enabled devices. Faculty indulge in delivering online lectures and study material through different online tools frequently. The college has a College Management System (CMS). All the faculties and students are registered in the CMS. Faculties upload the study materials in CMS. Some of the faculties have youtube channels to upload the video lectures which are accessible to the students inside the campus as well as the public. Google class room is another online facility using by our faculty. A number courses are loaded in the moodle, https://cetkrcourses.gnomio.com/. Students are enouraged to take up their assignments using the CMS and also to submit online. During the lockdown, we succesfully conducted online tests using our CMS.

Institution has a fully furnished "Additional Skill Acquisition Program (ASAP) " set up by Govt. of Kerala. ASAP conducts many vocational programs that are offered offline and also through online. Few students adn alumni of our campus have registered for various vocatinal courses in this lab. The Institution actively participates with government trainers to conduct the program. Few faculty are getting trained on the selected topics.

Extended Profile

1.Programme

1.1   **264**

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	View File

2.Student

2.1 **814**

Number of students during the year

File Description	Documents
Data Template	View File

2.2 **151**

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	View File

2.3 **187**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 **55**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 **54**

Number of Sanctioned posts during the year

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**264**

File Description	Documents
Data Template	View File

2.Student

2.1 Number of students during the year	**814**

File Description	Documents
Data Template	View File

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**151**

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	**187**

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	**55**

File Description	Documents
Data Template	View File

3.2 Number of Sanctioned posts during the year	**54**

File Description	Documents
Data Template	View File

4.Institution

4.1 Total number of Classrooms and Seminar halls	**25**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**52.2**
4.3 Total number of computers on campus for academic purposes	**220**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The university publishes the academic calendars (Semester wise academic schedule) on a regular basis well before the commencement of a semester. Adherence to the academic calendar itself ensures effective curriculum delivery. Subject priorities of all faculty members in a department are submitted before the Head of the Department. A faculty can thus plan for an effective course delivery method. Time timetable committee prepares timetable for each class and distribute 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. A course file is a sufficient method of documentation to ensure effective curriculum delivery.Course files are prepared and maintained by the faculty which includes syllabus, academic calendar, year calendar, course plan, teaching materials, assessment methods such as tutorials, assignments, internal test question papers, answer key, scrutiny form, previous year University question papers etc. Class Committee and course

committee meetings are conducted as per the schedule in academic calendar to discuss and fix the progress of each course involved in a semester. 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.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**
Link for Additional information	https://cetkr.ac.in/downloads/Academic%20Calender2021-22%20new.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

At the beginning of each academic year, the academic calendar prepared by the University and the institution strictly follows it. The institute sets the year calendar in line with the academic calendar prepared by the University. The university publishes the academic calendars (Semester-wise academic schedule) on a regular basis well before the commencement of a semester. All academic as well as extracurricular activities (Commencement of classes, conduct of class committee and course committee meetings, internal exam schedule, schedule of conduct of sports, arts etc., deadlines for publishing attendance, internal exam marks) will be scheduled in the calendar and institute strict adheres to the calendar as far as possible without much deviations from the calendar. An internal examination cell coordinated be a senior faculty is functioning for the smooth conduct of internal examinations. Two internal assessments and minimum of two assignments are conducted 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 aredisseminated to the students after every assessment. Students are aware of the internal marks and attendance. After the results are published Parents can view the marks online through College Management Software. Class PTA meeting were also conducted after the internal examinations.

File Description	Documents
Upload relevant supporting documents	**No File Uploaded**
Link for Additional information	https://cetkr.ac.in/downloads/Academic%20Calender2021-22%20new.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	**B. Any 3 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	**No File Uploaded**

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

19

File Description	Documents
Any additional information	**No File Uploaded**
Minutes of relevant Academic Council/ BOS meetings	**No File Uploaded**
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

File Description	Documents
Any additional information	**No File Uploaded**
Brochure or any other document relating to Add on /Certificate programs	**No File Uploaded**
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

Nil

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

File Description	Documents
Any additional information	**No File Uploaded**
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

In order to integrate the cross-cutting issues relevant to professional ethics, gender, human values and environment andsustainability, different types of subsidiary courses are added in the curriculum.

Environment and sustainability

MCN201-SUSTAINABLE ENGINEERING: Objective of this course is to inculcate in students an awareness of environmental issues and the global initiatives towards attaining sustainability.

MCN 301- DISASTER MANAGEMENT: The objective of this course is to

introduce the fundamental concepts of hazards and disaster management. CE405ENVIRONMENTAL ENGINEERING- I: CE402ENVIRONMENTAL ENGINEERING – II: WIith these two courses the students will have an understanding of the various types of water sources andtreatment methods for wastewater and also know the design aspects of various treatment units in a wastewater treatment plant.

CE469ENVIRONMENTAL IMPACT ASSESSMENT : This course is intended to understand various types of environmental pollution and to make aware the impact due to various types of pollutants and their assessment technique.

The two active NSS units in our college observes World Environment Day by planting trees in the campus, perform regular cleaning as a part of Green Campus Campaign.

Professional ethics and Human values HUT 200-Professional Ethics: To enable students to create awareness on ethics and human values.

We maintain Women Forum and Internal Compliance Committee as a measure to ensure women safety and handle any sort of harassment against women.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

Nil

File Description	Documents
Any additional information	**No File Uploaded**
Programme / Curriculum/ Syllabus of the courses	**No File Uploaded**
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	**No File Uploaded**
MoU's with relevant organizations for these courses, if any	**No File Uploaded**
Number of courses that include experiential learning through project work/field work/internship (Data Template)	[View File](#)

1.3.3 - Number of students undertaking project work/field work/ internships

187

File Description	Documents
Any additional information	**No File Uploaded**
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	[View File](#)

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://cetkr.ac.in/downloads/aqar/Survey.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

270

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC,   ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

189

File Description	Documents
Any additional information	**No File Uploaded**
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution follows an efficient evaluation system that helps categorize students based on their ability to learn. Advanced learners are identified and constantly encouraged to strive for higher goals.

The institution conducts the guidance classes for competitive examinations like GATE, CAT etc.

Making use of NPTEL, MOOC, Swayam, Courseera programmes.

Participating in group discussions, debates, quizzes and science exhibitions to help enhance analytic thinking and problem-solving abilities and to gain firsthand experience in modeling and design

Offer BTech minors and BTech Honors to the students.

The institute maintains an efficient advisory system wherein one faculty advisor is assigned to monitor the performance of students of each class. The advisors identify and keep track of those students who may be academically under-performing, economically weak, or ones with personal struggles so as to support them in making learning more fruitful. Each advisor maintains a set of documents containing information pertaining to attendance, subject/classroom/lab involvement, performance in class test, assignments etc. Assistance is provided by the institution to students in the form of special coaching, remedial classes, simplified learning material and personalcounselling. During the university examination time, we usually gave extra remedial classes to the weak students and also performed its evaluation. Reports on all the student assessments are communicated to the parents and class PTA meetings are convened regularly.

File Description	Documents
Link for additional Information	**Nil**
Upload any additional information	**No File Uploaded**

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
814	**55**

File Description	Documents
Any additional information	[View File](#)

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

All measures are taken by the institute to make learning more student-centric. Opportunities for interactive learning is provided to students through tutorials, lab sessions etc. In the curriculum, most of the theory subjects have tutorial hours per week for which tutorial questions are given. More faculty members are assigned for the tutorial hours. The tutorial questions or problems are solved by students by interacting with the faculty and peers. Also in labs, students are divided into groups and an experimental learning process is encouraged. Further, more student-centric learning strategies such as peer instruction, group discussions, seminars, group quizzes etc. are also practiced in the institute. Student projects provide best opportunities for collaborative as well as independent learning. The individual contribution, leadership quality and team efforts are evaluated during project evaluations. To support independent and collaborative learning, institute conducts technical competitions, professional body activities, paper presentations etc. Students are also encouraged to participate in such competitions organized by other reputed institutes. In order to make the teaching-learning process more student-centric, all the class rooms are made smart. Faculty members are nominated to attendPedagogical trainings regularly, in order to expose them to student centric learning strategies.

File Description	Documents
Upload any additional information	**No File Uploaded**
Link for additional information	**Nil**

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The faculty of this institute utilizes multiple teaching aids to make course delivery more effective. The faculty utilizes all the potentials of smart classrooms (power point presentation, use of moodle, google class room, virtual laboratories, mobile education etc) for making the teaching process effective. Our college developed a moodle portal provided by gnomio named cetkr courses in which a number of faculties deliver course materials. Students can access the study materials, assignments, and class test scheduled by the faculties from that site. This portal helped the students to continue their studies and asses students' performance during the Covid 19 pandemic. To do not stop the experimental learning during covid 19 pandemic our college signed an EOI (Expression of Interest) with National Institute of Technology Karnataka (NITK) for Virtual lab. The college management system is enhanced to equipped with online class conducting facility and online evaluation. Apart from this faculties uses NPTEL NME-ICT lectures or e-learning resourses to enhance the teaching learning process. Also, faculties provide information about various possible sources of knowledge to students.

File Description	Documents
Upload any additional information	**No File Uploaded**
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://cetkrcources/gnomio.com

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

32

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	[View File](#)
Circulars pertaining to assigning mentors to mentees	[View File](#)
mentor/mentee ratio	**No File Uploaded**

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

55

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	[View File](#)
Any additional information	**No File Uploaded**
List of the faculty members authenticated by the Head of HEI	[View File](#)

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

7

File Description	Documents
Any additional information	[View File](#)
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	[View File](#)

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

290

File Description	Documents
Any additional information	**No File Uploaded**
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	[View File](#)

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The institute performs the student evaluation process based on the regulations suggested by the concerned Universities. The marks of internal assessment are generated based on the entries given by each faculty responsible for a course. The entries and the internal assessment marks are displayed on the notice board of respective departments. They are then presented to the parents in class PTA meeting by one of the senior faculties. We also follow the timely publication of internal assessment through college management software (CMS). Students, parents, tutors, HODs can view these assessments. Thus the internal assessment become more transparent. The institute has been making its own reforms in the evaluation process at the college level as well. The institute is presently shifting to outcome based evaluation of various Graduate Attributes. For this, the institute has specified POs based on the Graduate Attributes suggested by National Board of Accreditation (NBA). The individual departments in the institute utilize a unique set of rubrics also for assessing individual PO. According to KTU 2019 syllabus, course outcome (CO) of each subject and the mapping of Program Outcome (PO) is defined. Course outcome will be clearly discussed with the students in the first day class of each subject. Also, our question paper, syllabus of each subjects, assignments are CO based.

File Description	Documents
Any additional information	**No File Uploaded**
Link for additional information	https://cetkr/etlab.in/user/login

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The institute has a grievance redressal system and is functioning for the students and faculty of the institute. A decentralized functioning is being successfully practiced in the campus for grievance redressal. Majority of the grievances reported are of minor in nature and are taken care of by the respective department. To take care of major grievances, the institute has a Grievance redressal Cell constituted by the Principal. The committee addresses the grievances of the students and to consider their appeals on any decisions made by the institute. The composition of the Grievance Cell is given below:

Convener: A Senior Professor

Members: Four faculty members including minimum one lady faculty

Any objection regarding the conduct and evaluation of internal tests can be represented in the institute at various levels. The discrepancies related with internal evaluation procedures for example, question papers not pertaining to syllabus, providing inadequate data, etc. are effectively addressed by the faculty-in charge and HoD. Complaints and grievance regarding evaluation of examinations at the institute level are properly addressed by the individual departments. If the students further have grievance, they can approach the Grievance Redressal and Appeals Committee

File Description	Documents
Any additional information	View File
Link for additional information	https://cetkr.ac.in/grivence.php

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The College website and prospectus very clearly state the vision, mission and objectives of the Institution. The students are made aware of the aims and objectives of the institute through Orientation Programmes, Seminars and Talks, etc. The institute ensures that staffs of are informed of the system through discussions in the staff council meetings, departmental meetings etc.The Programme Outcome is displayed in each department. Vision and Missionof the institute isplaced in the entrance of each department and all class rooms,library and laboratory.

The course outcome of each course is defined along with the revised university syllabus itself. The faculty handling the course explains the course objective to students in the first class of particular class. The course outcome is printed in all internal evaluation question paper. Each question is also CO based question and evaluation is also CO based.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://cetkr.ac.in/b.tech_cse.php, https://cetkr.ac.in/b.tech_eee.php, https://cetkr.ac.in/b.tech_ece.php, https://cetkr.ac.in/b.tech_ce.php
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The institute has a defined system to collect data on student learning outcomes. The learning outcomes are assessed through internal test, assignments, tutorial etc. Faculty in-Charge of each course collects and keeps data for the learning outcomes. The collected data will be analysed by the faculty. For each course, the result analysis is carried out and compiled by faculty advisor.. Based on result analysis weak students are identified and remedial coaching is given to them to overcome the barriers of learning.

Head of the Department, Department Academic Coordinator and Faculty Advisor strictly monitor the content delivery of every course and ensure that it is done as per the course plan submitted by the faculty member. Class committee meetings convened by the HOD addresses the issues faced by the teachers and students. Corrective measures such as extra classes for difficult topics, remedial classes for weak students, improvement of teacher/student behaviour etc., are undertaken. The institute monitors and ensures the achievement of learning outcomes through:

Department and Staff Council meetings

Informal feedback is sought from students and teachers

The institute has IQAC for monitoring and ensuring the

achievements of learning outcomes.

Monitoring students' progress through tests and assignments.

Our course evaluation is also CO based and the CO attainment of each course is calculated. Answer sheet is also designed appropriately for CO calculation. At the end of the course, each faculty in charge of the course collect course outcome survey. The collected data is analysed by the faculty.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

96

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://cetkr.ac.in/downloads/aqar/Student_satisfaction_Survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

File Description	Documents
Any additional information	**No File Uploaded**
e-copies of the grant award letters for sponsored research projects /endowments	**No File Uploaded**
List of endowments / projects with details of grants(Data Template)	<u>View File</u>

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	**No File Uploaded**
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	**No File Uploaded**
Paste link to funding agency website	**Nil**

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

13

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

File Description	Documents
Any additional information	**No File Uploaded**
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

File Description	Documents
Any additional information	**No File Uploaded**
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

National Service Scheme plays vital role in establishing a robust network which has got volunteers at a time to organize social outreach programs. A faculty serves as its Program Officer. NSS

arrange camp in the nearby village and give assistance to construction of road, treeing, cleaning, electrification. Activities including Covid 19 awareness and vaccination campaign were organized in collaboration with the health department During Covid -19 pandemic College of Engineering Trikaripur in association with NSS conducted a worhshop on developing automatic sanitizer machine and the automatic sanitizer machine was donated tonearby public places like police station, fire station, Primary health centre and Pnchayath office. . Professional Bodies, like IEEE which promote volunteerism, is present with in the campus.IEEE conducted two series of seminars in the near by high schools to promote Engineering and Technology education and improve women education after high school. In July 2020 and in Septermber to October 2021 seminar was conducted in 8 schools including the the schools in the remote place. Many students who are actively engaged in field research acquire lasting life skills to engage, interact and work with people at the grassroots levels especially the vulnerable and marginalized sections.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

0

File Description	Documents
Any additional information	**No File Uploaded**
Number of awards for extension activities in last 5 year(Data Template)	**No File Uploaded**
e-copy of the award letters	**No File Uploaded**

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

22

File Description	Documents
Reports of the event organized	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<u>View File</u>

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

150

File Description	Documents
Report of the event	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<u>View File</u>

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

0

File Description	Documents
e-copies of linkage related Document	**No File Uploaded**
Details of linkages with institutions/industries for internship (Data Template)	**No File Uploaded**
Any additional information	**No File Uploaded**

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

6

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

College of Engineering Trikaripur has a well-developed campus with more than 25 acres of land. It is equipped with modern facilities and learning resources to achieve academic excellence according to it vision and mission.Modern Classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, etc.are available to meet the currucular and co-currivular activities.

Labs including computer labs

Civil – 9

- **Mechanical workshop**

- **Electrical – 8**

- **Electronics-8**

- **Computer Science & Information technology – 4**

- **Computer centre - 1**

- **Basic Sciences – 3**

Class Rooms: Provided with good ventilation, multimedia projector, white/black/green board and notice board

Seminar Halls / Conference Halls:. Each department is provided with a seminar hall and they are well furnished and equipped with the most modern audio,visual systems. The college has an air conditioned Jubilee hall having a seating capacity of 160, Conferenceof 20 and each department has a seminar hall which can accomodate60 people.

Central Computing Facility (CCF): Central Computing and Browsing Centre facilities can be utilized by staff and students.

Central library: Central library has a collection of more than nineteen thousand four hundred and one volumes and four thousand four hundred titles of books and more than one fifty titles of journals and periodicals, seven e-journal packages e-books and more than 300 CDs Language Lab:

Internet Facility: 100 Mbps broad band connection from National knowledge Network and a 10 Mbps connection as proxy provided by kerala vision in case of any failure in the main Internet facility. 24x7 Wi-Fi facility in the campus.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://cetkr.ac.in/Image%20Gallery/CLASS/ Image_Gallery/index.html

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The college has a Football ground, Cricket pitch, Basket ball court, Suttle Badminton court(indoor), Vollyball court and Table tennis Hall. Sports meet, inter semester tournaments and coaching camps are conducted every year. The above facilities are also used for daily practice and games by students and faculty.

Cultural Activities: College conduct arts fest everyyear organized by students union. During 2021-22the Arts festival Natyya'22 conducted inMay 2022 with cordination of college union.. More than 500students participated in the arts festival. A good coordination was done batch captians and each event coordinator.

Public Speaking and Communication Skill Development: Mock Group discussion and Interview were organized by Training and Placement cell, which improves the placement rate in the year 2021-22.

Various activities organized are conducted in the college auditorium, seminar halls and in temporary stages setup in the college ground.

Yoga: NSS unit organizes yoga training in the campus occasionally also Yoga day is celebrated in the college under the Physica education faculty and a yoga trainer. College auditorium is utilized for organizing yoga class.

Health and hygiene:

Women's cell organizes awareness program on health and related issues occasionally.

College canteen and hostel mess are provided with modern equipments to ensure cleanliness and hygiene.

Water purifiers are installed at various locations to ensure safe and clean drinking water.

First aid facilities are available in all laboratories.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://cetkr.ac.in/sports.php

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

26

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

25

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://cetkr.ac.in/Image%20Gallery/CLASS/ Image_Gallery/index.html
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

52.24

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload audited utilization statements	**No File Uploaded**
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Library automation The library is fully computerized using an integrated library management system"Koha". It includes modules for aquisitions, circulation, cataloging, serials management etc. Koha is distributed under the frees software general public licenceversion 3 or later. Barcoding is done for every book available in the library. OPAC facility is also provided for the users of the librar,. Digital library facility is also there using the software DSPACE

Total number of computers for user access: 12 Nos

Total number of printers: 2 Nos

Internet bandwidth/ speed: 100 Mbps connection of National Knowledge Networks.

Institutional repository DSpace of Central Library holds previous years question papers, index of seminar reports, project reports etc. can be accessed through digital library portal.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for Additional Information	https://cetkr.ac.in/library.php

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	**C. Any 2 of the above**

File Description	Documents
Upload any additional information	**No File Uploaded**
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-

journals during the year (INR in Lakhs)

`0.17020`

File Description	Documents
Any additional information	**No File Uploaded**
Audited statements of accounts	**No File Uploaded**
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	[View File](#)

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

`60`

File Description	Documents
Any additional information	**No File Uploaded**
Details of library usage by teachers and students	**No File Uploaded**

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Campus Networking Centre provides 24 hours internet services in campus .The Networking Centre is maintained by a dedicated System Administrator. The institution is availing National Knowledge Network connectivity of 100 mbps speed. Entire campus is Wi-Fi enabled and registered users can connect their laptop at any time to access internet.The campus has a central computing facility with 36 ACER Desktop computers with4th gen Corei3 processor, 4GB Ram, 500GB HDD and 16" monitor and HP laser printer. All systems are connected to internet via a 100Mbps structured LAN and these are accessible to students and faculty.

The fire wall is updated in 2020 and most of the switches initially connected in the campus network is recently replaced to ensure the proper LAN connection. Also Some of the Wi-Fi repeaters are replaced to improve the Wi-Fi coverage

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Number of Computers

220

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution	A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

16.07

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	[View File](#)

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

College of Engineering, Trikaripur is an institute established byCAPE(Co-operative Academy of Professional Educationn) sponsored by Govt. of Kerala. The requirements for up-gradation of existing infrastructurefacilities along with the proposed budget will be put forth to college administration by the end of every academic year. This will be followed by the constitution of Purchase Committees. All the requirements are discussed and decisions are taken for purchase or up- gradation of facilities by the institution management and purchase committees. Tenders are placed online on institution website. Following all the terms and conditions of tendering, the committee finalizes the tender and recommends placing the purchase order. This procedure is followed for the purchase of computers, software and other equipments. The Government of Kerala allot fund for College of Engineering Trikkaripur under plan fund and non-plan fund through CAPE.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://cetkr.ac.in/computercenter.php

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

505

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<u>View File</u>

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

37

File Description	Documents
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<u>View File</u>

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	**A. All of the above**

File Description	Documents
Link to institutional website	<u>https://cetkr.ac.in/</u>
Any additional information	**No File Uploaded**
Details of capability building and skills enhancement initiatives (Data Template)	<u>View File</u>

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

`63`

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

`63`

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	[View File](#)

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	`A. All of the above`

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View File](#)
Upload any additional information	**No File Uploaded**
Details of student grievances including sexual harassment and ragging cases	[View File](#)

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

63

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	**No File Uploaded**

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

13

File Description	Documents
Upload supporting data for student/alumni	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

7

File Description	Documents
Upload supporting data for the same	View File
Any additional information	**No File Uploaded**

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

35

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

The students Union is being constituted in each year from the students elected through a general election procedure. The Executive Committee consists of: Chairman, Vice Chairman, General Secretary, Councilors to the Kerala Technological 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. The college provides a college union fund, which is collected from the students for union activities. Collegeunion organizes Arts festival every year and annual sports meet. It also celebrates the festivals like Onam and Christmas and many co curricular events of such kind. 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. These committees are responsible for organizing various co curricular and extracurricular events for the benefit of students. Students are very active in NSS and department association activities. Professional body societies like IEEE student branch and ISTE student chapter are well established in the college and they conduct many technical programmmes and influences the student community through humanitarian activities.

File Description	Documents
Paste link for additional information	https://cetkr.ac.in/ieee.php
Upload any additional information	**No File Uploaded**

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

450

File Description	Documents
Report of the event	View File
Upload any additional information	**No File Uploaded**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The College Alumni Association was established in the college campus during the year 2007.The main objective of this Alumni Association is to maintain a link between the students who have passed out and students studying in this college. Senior alumni members, those who are employed in various organizations/companies can help their junior alumni members by giving information about the job opportunities and career growth available in their organizations/companies. To facilitate above objectives, the Association has been regularly organizing Onam Celebration and a meet among members once in every year.

During the year 2020-21 twoonline alumni interaction meeting was arranged. In the meeting reputed alumni's of the college interacted with the final year students and interaction was mainly

sharing their experience. The programme was conducted through Google meet. During the covid-19 Pandemic when the college started online classes some of the students from poor financial background can not afford buying a smart phone. In that situaion our alumni helped our students by providing 3 smartphone to students belonging to very poor financial bachground.

File Description	Documents
Paste link for additional information	https://cetkr.ac.in/alumni.php
Upload any additional information	**No File Uploaded**

5.4.2 - Alumni contribution during the year (INR in Lakhs)	**E. <1Lakhs**

File Description	Documents
Upload any additional information	**No File Uploaded**

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The effective leadership of our governance body is highly influential in the formulation of vision and mission of the institute and the implementation of the same. 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

Governing body of the college designs and executes Short-term, Long term plans integrating departmental plans, findings of SWOT

analysis and other recommendations from all the stake holders. Every year this process is conducted in the institution. The policy and planning are carried out according to consultation with stake holders. Top management with the help of the department wise committees formulates quality policy and integrates the same in the strategic plan. Formulation of action plans and defining the policy objectives attempts to address the issues of systematic change to provide quality education. Creating robust principles, frameworks, systems and processes the institution intends to reinforce the culture of excellence. All the systems work together as a team aiming to be champions of organizational change. The Departments fosters a healthy competitive atmosphere among themselves and each one strives to accomplish excellence in their standards.

File Description	Documents
Paste link for additional information	https://cetkr.ac.in/index.php
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Our College is managed by Cooperative Academy of Professional Education – Kerala (CAPE – Kerala). There are 9 Engineering Colleges under CAPE. The strategic plan was formulated by the governing body of CAPE, which is headed by the honourable Chief Minister of Kerala. There is a BoG for the College for taking care of Technical Education Quality Improvement Programme – II activities. The College follows the policy of decentralization. The Governing Body delegates all the academic and non-academic decisions based on policy to the College Council and IQAC headed by the Principal. The College Council and IQAC formulate common working procedures and entrusts the implementation through departments. The department coordinator manages the day to day activities of the department and keeps a track of co-curricular and extra-curricular activities in the College. Other units of the college like sports, arts, library etc. have operational autonomy under the guidance of the various committees/clubs/associations and students are involved from various departments in the decision-taking process.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The CAPE management gives liberal freedom and tractability to the Principal together with the College Council to lead all the academic activities of the College. They regularly meet and take necessary steps to formulate and implement strategic plans of the institution. Staff Advisor (Mentor) system is introduced in all the departments and it is commendably supervised by the Principal and Head of Departments They invite suggestions from senior staff and to study the impulses of the institute in general and take steps for further improvements as far as they are within the capacity and recommend the management for modifications. The following strategies are adopted by the institution to monitor and evaluate policies: Regular meetings of the College Councils and IQAC Annual meeting of BoG of TEQIP - II

The feedback system (Regular feedback from Stake holders, Alumni Members, Staff and Students)

Periodical Internal Academic Audit Team visits to the departments (Twice in a Semester) and External academic audit per year form APJ Abdul Kalam Technological University Regular visits of the Principal to the departments and interaction with heads of the departments Heads of the departments monitor the system of each department regularly.

Annual Evaluation and Presentation by each Department and Programme Committee Coordinators regarding their activities. The result and placement analysis before the Management after completion of each semester.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Statutory bodies such as IQAC Cell, Anti-ragging Cell etc., as per the university/ government guidelines are also included in the organizational structure of the institution. A committee comprising of faculty members and administrative staff are involved in the planning and implementation, academic audit and evaluation. There are different bodies that give academic and administrative leadership to the institution. An optimum level of decentralization through the departmental system and participative decision making process are in practice.

Service Rules: The institution strictly follows the service rules according to Kerala Service rules and AICTE norms. The teaching and non-teaching faculty have the benefits of PF, ESI, Casual Leaves, Earned Leaves , Medical Leaves and Maternity leaves etc., Recruitment is taken place according to the norms of the AICTE and University. The recruitment is done through a competitive exam and interview. The appointment is made purely on merit basis. Merit scholarships are given to the meritorious students in each semester.

Grievance Redressal Mechanism: The grievance redressal mechanism for students as well as faculty members, non teaching staffs, and supporting staffs are in force.

Internal Compliance cell is functioning in the college to take care of the grievances of female employees.

Grievance drop boxes are there in administrative block.

File Description	Documents
Paste link for additional information	https://cetkr.ac.in/Circulars.php
Link to Organogram of the Institution webpage	https://cetkr.ac.in/downloads/aqar/organization%20chart.pdf
Upload any additional information	**No File Uploaded**

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	**A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning)Document	**No File Uploaded**
Screen shots of user interfaces	View File
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

College of Engineering Trikaripur has effective welfare measures in place for its teaching and non-teaching staff. The various welfare schemes are as follows:

1. Maternity and paternity benefits as per norms

2. Quality Improvement Programme

3. Career Advancement Scheme

4. EPF5. Group Insurance Scheme (GIS)

6. State Life Insurance (SLI)

7. Festival allowance/ Bonus

8. Festival advance

9. Group Personal Accident Insurance Scheme (GPAIS)

The following facilities are also provided to employees for efficient functioning:

1. Medical leave

2. Casual Leave

3. Half pay/Commuted Leave

4. Earned Leave

5. Compensatory Leave

6. Yoga classes

7. Psychological counselling

8. Wi-Fi facility.

9. Workspace

10. Computing facility

11. Canteen and Cafeterias

12. Identity cards

13. Cooperative society (Books, stationeries and other essential commodities)

14. Sports facilities

15. Transportation facilities

16. Facility of providing loans from leading financial institutions under state and central government.

File Description	Documents
Paste link for additional information	https://cetkr.ac.in/Circulars.php
Upload any additional information	**No File Uploaded**

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

3

File Description	Documents
Upload any additional information	**No File Uploaded**
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

2

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

15

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The performance of each employee is assessed annually after completion of one year of service. The objective is not only to objectively evaluate the performance as per established norms, but also to identify potential aspects for improvement that can

eventually lead to further progress and growth of the employee. The salient features of the performance appraisal system are as follows:

Teaching Staff

a) The performance of each faculty member is assessed according to the Annual Performance Appraisal Form collected from feedback of students.

b) Promotions are based on the PBAS proforma for AICTE/UGC Career Advancement Scheme (CAS) that is based on the API score.

c) The Annual Appraisal proforma filled by the Faculty Member is checked and verified by the Heads of the Departments, followed by the Principal and passed for annual increment.

Non-Teaching Staff:

All non-teaching staff are also assessed through annual confidential reports and annual performance appraisal. The various parameters for staff members are assessed under different categories i.e. Character and Habits, Departmental Abilities, Capacity to do hard work, Discipline, Reliability, Relations/Co-operation with superiors, subordinates, colleagues, students and public, Computer knowledge, Power of Drafting (where applicable), efficient organization of documents (in case of Ministerial Staff) and technical abilities (in case of workshop staff).

The comprehensive Annual Confidential Report comprises of 10 parameters. Each one of them is graded on a 10 point scale.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every

year to ensure financial compliance. Internal audit is conducted h yearly by the internal audit committee constituted by CAPE. External audit is conducted once in every year by an external agency. The mechanisms used to monitor effective and efficient use of financial resources are as below:

Before the commencement of every financial year, principal submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management. College budget includes recurring expenses such as salary, electricity, etc., and non – recurring expenses

Process of the internal audit: All vouchers are audited by an internal financial committee on yearly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of the Principal.

Process of the external audit: The accounts of the college are audited by chartered accountant regularly as per the government rules. The audited statement is duly signed by the authorities of the management and chartered accountant.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	**No File Uploaded**

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Sources of funds are as follows: Fees: Fees charged as per the university and government norms from students of various courses. Government Grants: The College receives plan and non plan funds from the State Government. For this, we prepare and send an annual budget to the state government through Director CAPE. Our resource mobilization policy and procedures are as follows: The institution set up different Committee asper the directions of the AICTE The AICTE Committee, in close coordination with the CDC and the IQAC, monitors the mobilization of funds and makes sure that the funds are spent for the purpose for which they have been allocated. The Purchase Committee takes care that purchases are done properly and in accordance with the rules. The College Development Committee takes a review of the mobilization of funds and the utilization of these sources periodically in their meetings. Regular internal audits from the Charted Accountant and external audits from the government make sure that the mobilization of the resources is being done properly.

The Library Advisory Committee takes care that the resources in library are utilized optimally. Campus cleanness and its utilization is monitored by the Staff Club. To ensure the optimum utilization of resources, the Principal issues directions.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The IQAC Cell of the college works towards improving and maintaining the quality of education, identifying and suggesting new ways of using teaching aids, developing suitable infrastructure, and offering suggestions for the new courses. IQAC is an effective and efficient internal coordinating and monitoring mechanism. The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality enhancement measures to be adopted. The IQAC meets every quarterly to plan, direct, implement and evaluate the teaching, research, and publication activities in the College. The sub-committees dealing with various activities and departments implement the IQAC guidelines and report the feedback. The IQAC strives to spread quality culture through quality enhancement initiatives and best practices. Significant improvements in quality have been made by institutionalizing the following IQAC initiatives: Strategic planning of key areas and assigning responsibilities – 1. Academic results 2. Student technical training 3. Student soft skills development 4. Placement support 5. Faculty development programs 6. Research and development

7. Interaction with industry 8. NBA accreditation Monitoring and mentoring of academic and administrative activities. Academic inspections are carried out periodically to assess the quality of academics. The inspections involve: 1. Review of healthy academic practices 2. Mechanisms to identify and reform academic practices 3. Review of departmental facilities 4. Facilitate implementation of innovative methods in the departments 5. Self-development of faculty member

File Description	Documents
Paste link for additional information	https://cetkr.ac.in/aqar.php
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The Academic Calendar is prepared in advance at par with the APJ Abdul Kalam Technological University, displayed and circulated in the Institute and strictly followed. Commencement of classes, holidays, summer and mid-term vacations, examination schedule and declaration of results are notified in the Academic Calendar. All newly admitted students have to compulsorily attend the

Orientation Programme, in which they are made aware of the philosophy, the uniqueness of the Education system, the teaching learning process, the system of continuous evaluation, mandatory core courses, non credit courses, various cocurricular activities, activity points, discipline and culture of the Institute. All students are also given a guided tour of the campus and the various facilities. Students are apprised of the Time-Table, Programme structure, syllabi of the courses before the semester commences. Important announcements are made in the campus management software and notice board and attendance and conduct of classes are monitored by the HODs and staff advisors of various classes. The Discipline Committee members make random visits to ensure smooth functioning of classes. Class and Course Committees are regularly conducted with students to take feedback and appropriate steps are taken to enhance the teaching learning process. Feedback from students is also taken individuallby teachers for their respective courses directly through IQAC. Students are also free to approach the Principal of the Institute for feedback and suggestions. Feedback is properly analyzed and shared with the Principal, HODs and individual faculty members. The teaching-learning processes are reviewed, and improvements implemented, based on the IQAC recommendations.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

| 6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA) | B. Any 3 of the above |

File Description	Documents
Paste web link of Annual reports of Institution	https://cetkr.ac.in/aqar.php
Upload e-copies of the accreditations and certifications	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The college organizes several programme mainly in association with NSS to support the girl students in the college.

A seminar on eco-friendly menstruation, titled: GREEN THE RED, was conducted by NSS units 611 & 682 of College of Engineering Trikaripur in cooperation with Rotary club Cheruvattur on 27.05.2022 Friday in the college. The program started at 11.00 am which was inaugurated by district governor (3204 faculty),Dr.Rajesh Subhash , principal Dr Vinod Pottakulath did the presidential address and welcome speech was given by NSS program officer Mr.Anoop P V. The seminar to aware the students about having a hygienic and eco-friendly menstruation, included 150 students ,which was handled by Dr. Sruthi Pandit. It was an interactive, fun and informative class, after which one of the volunteer secretaries, Sreelakshmi Rajan thanked every personalities and the volunteers for being a part of it, on behalf of NSS and Rotary club.

NSS unit Colleg also conducted a programme on Breast cancer awareness.

File Description	Documents
Annual gender sensitization action plan	**Nil**
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Separate Ladies room available in the college. Service of the counselor is made available weekly

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**D. Any 1 of the above**

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	**No File Uploaded**

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

A well built separate area is provided for waste management system at an isolated place in the campus. An insinuator is provided with in the shed to burn sanitary napkins etc. Plastic covers, plastic bottles and chemical items are separately collected. Another compartment is provided of biomedical waste. Degradable bio wastes are collected in a well protected compartment to avoid pests. The waste collected are disposed with the help of health department and Panchayath authorities. The college has a systematic procedure for disposing obsolete computers and electronic equipments in a regular basis.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	**No File Uploaded**
Geo tagged photographs of the facilities	https://cetkr.ac.in/campus.php
Any other relevant information	**No File Uploaded**

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	**No File Uploaded**

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	**No File Uploaded**

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit

D. Any 1 of the above

3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	**No File Uploaded**
Certification by the auditing agency	**No File Uploaded**
Certificates of the awards received	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen   reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Policy documents and information brochures on the support to be provided	**No File Uploaded**
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

Celebrates most of the festivals of all communities with in the campus.Student organizations are actively involved in the matters

related to the campus. Elected college union leads all the student's activities.

- On Engineers Day (September 15) we conducted a online Technical Quiz in Online manner.
- A district level IT Cell –Covid 19 vaccination campaign was conducted on September 22
- On September 24 NSS day was observed and related programs were organized. Riddle competition was conducted (state level) and a cultural night was there (online) by our volunteers.
- On October 5, Cyber crime awareness class was conducted by Sreejith sir (ASI cybercell. Computer hacking forensic investigation cyber forensic) and Dr. V. Balakrishnan (DYSP, Kanjarangad)
- On December 4, conducted a program – "Oorjakiran - go electric campaign ". A rally was organized and a signature campaign too. Also an oath was taken by the NSS volunteers.
- We observed other important dates such as Ozone day (September 16), World Peace day (September 21), Voluntary Blood donors day (October 1), Students day (October 15), World food day (October 16), Kerala Piravi (November 1), National cancer awareness day (November 7), Children's day (November 14), Aids day (December 1), International volunteers day (December 4) and other National days such as Independence day, Republic day, Gandhi Jayanthi, etc.
- Apart from these, our volunteers went for Covid vaccination duties at Family Health Center Kayyur. They helped to enter the vaccination details in the web portal.
- College union celebrates Onam, Christmas and Fresher's Day in the campus

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

A district level IT Cell –Covid 19 vaccination campaign was conducted on September 22

On October 5, Cyber crime awareness class was conducted by Sreejith sir (ASI cybercell. Computer hacking forensic investigation cyber forensic) and Dr. V. Balakrishnan (DYSP, Kanjarangad)

NSS volunteers College of Engineering Trikaripurwent for Covid vaccination duties at Family Health Center Kayyur. They helped to enter the vaccination details in the web portal.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	**B. Any 3 of the above**

File Description	Documents
Code of ethics policy document	**No File Uploaded**
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<u>View File</u>
Any other relevant information	**No File Uploaded**

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

- ○ **Day observations**

We observed important days and conducted some programs. On important days we made posters with apt messages/quotes and shared via social networks such as whatsapp, facebook, instagram,etc. Also we organized some Competitions such as Quiz, Essay Writing, Debate, Drawing, Poster designing, Letter writing, Selfie contest, etc. Awareness classes also done including webinars.

Important Days

- June 5 - Environmental Day
- June 14 - World Blood Donor Day
- June 19 - National Reading day
- June 21 - International Yoga Day (Yoga at home)
- June 26 - Anti Drug Day
- July 11 - World Population day
- August 6 - Hiroshima day
- August 15 - Independence day
- September 5 - Teachers day
- September 15 - Engineers Day
- September 16 - Ozone day
- September 24 - NSS Day
- October 1 - National voluntary blood donation day
- October 2 - Gandhi Jayanthi
- November 14 - Children's Day
- December 1 - AIDS day
- December 10 - Human Rights Day
- January 12 - National Youth Day
- January 26 - Republic day
- March 8 - Women's Day
- March 22 - World Water Day

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	[View File](#)
Geo tagged photographs of some of the events	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

BEST PRACTICES

Best Practice 1 1.Title of the practice: Systematic online coaching for lateral entry test (LET) for engineering diploma holders. Enable socially and financially backward students to appear competitive examinations for professional education.

Best practice 2 1.Title of the practice Enhancing public support for blood donation during COVID pandemic by encouraging younger generation. 2.Goal To enhance social commitment among younger generation by donating blood in the COVID pandemic period to compensate the acute shortage in blood banks.

File Description	Documents
Best practices in the Institutional web site	[View File](#)
Any other relevant information	**No File Uploaded**

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The goal of best practice is to appreciate the work done by the teaching staff, nonteaching staff and students of the institute and motivate them to excel in their areas of expertise. This practice would ensure continuous improvement in their performance as per the quality policy to achieve the Vision and Mission of the institute. The student who ranks first in the class in the University examinations is declared as Topper of the Class.

The college follows an outcome based education by developing course plans with objectives and outcomes. The learning styles of the students are evaluated through learning style test. Though the college is affiliated KTU, curriculum gaps are plugged through design based experiments, additional labs other than the curriculum and evaluated systematically through different assessment tools.

The college has launched Alumni Portal to connect with the alumni and utilize their services, like Guest Lectures, Internship opportunities, placements, etc. Regular training placement is imparted in the area of communication skill and aptitude to the

students to make them employable. The college regularly encourages the students to compete in external competitions (tech fests, paper presentations and idea and innovation contests) for which students projects are certified. Parents meet are conducted to take the regular feedback about the progress of their ward and overall development of the college. A unique counseling process is followed wherein every week the students are provided a slot to meet the counselor. College has a good tutoring and mentoring system

File Description	Documents
Appropriate web in the Institutional website	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.3.2 - Plan of action for the next academic year

1. Energy auditing It is decided to conduct energy auditing with the assistance of NSS unit and this will definitely help to improve energy efficiency and reduce power consumption.

2. Green auditing This audit will help to impart awareness about the conservation of environment, waste reduction and pollution.

3. Rain water harvesting It is decided to construct a pond near the play ground to collect the rain water to improve ground water level.