YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution	**Kumaraguru College of Technology**
• Name of the Head of the institution	**Dr. M. Ezhilarasi**
• Designation	**Principal**
• Does the institution function from its own campus?	**Yes**
• Phone No. of the Principal	**04222661122**
• Alternate phone No.	**04222661111**
• Mobile No. (Principal)	**9487700830**
• Registered e-mail ID (Principal)	**principal@kct.aci.in**
• Address	**Chinnavedampatti post,**
• City/Town	**Coimbatore**
• State/UT	**Tamilnadu**
• Pin Code	**641049**

2.Institutional status

• Autonomous Status (Provide the date of conferment of Autonomy)	**25/07/2007**
• Type of Institution	**Co-education**
• Location	**Urban**

- Financial Status   **Self-financing**

- Name of the IQAC Co-ordinator/Director   **Dr.S.Selvanayaki**

- Phone No.   **04222661315**

- Mobile No: **9600989004**

- IQAC e-mail ID   **iqac@kct.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)   https://www.kct.ac.in/iqac/

4.Was the Academic Calendar prepared for that year?   **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: https://www.kct.ac.in/academic-calendar/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.67**	**2009**	**29/12/2009**	**28/12/2014**
Cycle 2	**A**	**3.21**	**2016**	**02/12/2016**	**01/12/2021**
Cycle 3	**A++**	**3.62**	**2022**	**02/08/2022**	**01/08/2027**

6.Date of Establishment of IQAC   **09/06/2009**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Kumaraguru College of Technology	UGC-2f	UGC	15/12/2003	–
Kumaraguru College of Technology	UGC-12B	UGC	18/12/2014	–
Kumaraguru College of Technology	FIST	DST	20/12/2018	60,00,000
Kumaraguru College of Technology	SIRO	DSIR	23/03/2022	–
Kumaraguru College of Technology	Aeronautics R and D Board	Ministry of Defence	24/04/2023	46,82,000
Kumaraguru College of Technology	IKS Division	AICTE	13/12/2022	13,20,000

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI   View File

9.No. of IQAC meetings held during the year   4

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?   Yes

- If No, please upload the minutes of the meeting(s) and Action Taken Report   No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during   No

the year?

- If yes, mention the amount

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

1. Kumaraguru College of Technology (KCT) achieved an A++ grade with a CGPA of 3.62 in the third cycle of accreditation by the National Assessment and Accreditation Council (NAAC). 2. KCT received the GOLD Band with an A grade for outstanding performance in Outcome-Based Education from R.World Institutional Ranking, Mumbai. 3. The college actively participated in national educational ranking and assessment processes, including AISHE and NIRF. 4. KCT conducted comprehensive academic and administrative audits to ensure quality and performance standards. 5.The final-year project review process was restructured to enhance effectiveness and improve outcomes.

12.Plan of action chalked out by IQAC at 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
NAAC Accreditation	A++ with 3.62 CGPA in the third cycle(02/08/2022 to 01/08/2027)
NBA Accreditation – BE Automobile Engineering, ME Structural Engineering	Expert Team visited during 19th – 21st May 2023.Received Accreditation : 6 years for Automobile Engineering and 3 years for Structural Engineering
International Collaboration	MoU with PKFokam Institute of Excellence, Cameroon for student and faculty exchange
Sustainable Green Campus initiatives	Recognition from TamilNadu Government , Certificate of excellence for practicing sustainable education by R.world Institutional Ranking, Mumbai.
Multidisciplinary and interdisciplinary courses offered	Through Edge, Edge +, more than 50 courses were offered in each semester courses

13.Was the AQAR placed before the statutory body?   Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	**29/01/2024**

14.Was the institutional data submitted to AISHE ?   **Yes**

- Year

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during the year?	
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- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	29/01/2024

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
Academic Year 2021-22	19/01/2023

15.Multidisciplinary / interdisciplinary

UG and PG Programmes are introduced in both multidisciplinary and interdisciplinary fields in the last 5 years, which include (i) Information Science and Engineering, (ii) Artificial Intelligence and Data Science, (iii) Data Sciences and (iv) Technology Management. Minor Specialisations are offered in the domains of (i) Cyber Security, (ii) 3D Printing, (iii) Internet of Things, (iv) Data Sciences and (v) Network Programming. In addition, 54 courses of 3 credits are offered to the students of all the branches as a part of Open Electives to encourage the interdisciplinary approach and culture among the students.

16.Academic bank of credits (ABC):

In order to facilitate the transfer of credits into Academic Bank, data capturing of credits completed by individual students, every semester, has been implemented with suitable ERP system. KCT has expressed the willingness to be a part of National Academic Depository to the University, which is the essential step towards ABC.

17.Skill development:

Skill development at Kumaraguru College of Technology (KCT) is promoted through a comprehensive curriculum and extracurricular activities, focusing on both hard and soft skills. Here is a

summary of the approach: Early Skill Development: KCT has integrated skill development courses from the first semester to build a solid foundation in both soft and hard skills through the Engineering Clinics program. Hard Skills Enhancement: The curriculum includes various one-credit courses, value-added courses, and internships that provide students with industry-relevant knowledge and technical expertise. Soft Skills Enhancement: KCT has broadened its soft skills training with: Additional language courses, including Hindi, German, Japanese, and French. Problem-solving-focused courses in the 6th and 7th semesters. Activities through over 35 student clubs and forums, aimed at developing skills in teamwork, advocacy, and conflict resolution.

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

Kumaraguru College of Technology (KCT) has integrated Indian knowledge systems into its curriculum by offering a variety of value-based courses and electives that emphasize Indian culture, language, and tradition. Value-Based Courses: From the first to the seventh semesters, KCT offers courses focused on universal human values, including: Universal Human Values - I Universal Human Values - II Heritage of Tamils Constitution of India Culture and Tradition: KCT provides open electives that focus on Indian culture and tradition, giving students a broader understanding of India's rich heritage. Indic Culture: A course on "Indic Culture" is mandatory for students enrolled in the newly introduced program on Artificial Intelligence and Data Sciences, highlighting the connection between technology and Indian cultural knowledge. Through these courses, KCT emphasizes the importance of integrating Indian knowledge systems into modern education, allowing students to connect with their cultural roots while pursuing contemporary academic and professional goals.

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

KCT introduced Outcome Based Education (OBE) in 2014 and Choice Based Credit System (CBCS) in 2015, which emphasized on honing the skills and knowledge of the graduates. The courses of all the programmes are categorised into Humanities and Social Sciences (HS), Basic Sciences (BS),Basic Engineering Sciences (ES),Professional Core (PC) and Cluster Courses, Professional Electives (PE), Open Electives (OE) and Project Work (PW) . Programme Educational Objectives (PEO), Programme Outcomes (POs - also known as Graduate Attributes), Programme Specific Outcomes

(PSO) are framed, considering the following features. The course outcomes (CO's) are designed to align with the Programme Outcomes (PO's) and Programme Educational Objectives (PEO's) . Accordingly, every students learns to demonstrate skills and attitude with concepts at the end of every course.

20.Distance education/online education:

KCT, as an Autonomous and affiliated Institution, is not eligible to offer distance education and online education. However, KCT encourages the students and faculty members to register online courses offered by NPTEL and SWAYAM platforms and provide credit equivalence to the students and suitably recognize in the case of faculty members in their performance appraisal system.

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	**29**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1 Total number of students during the year:	**6091**

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2 Number of outgoing / final year students during the year:	**1639**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	**6088**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	**865**
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	**342**
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	**342**
Number of sanctioned posts for the year:	

4.Institution

4.1	**786**
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	**135**
Total number of Classrooms and Seminar halls	
4.3	**1819**
Total number of computers on campus for academic purposes	
4.4	**3444.867**
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Kumaraguru College of Technology (KCT) provides 15 undergraduate and 14 postgraduate programs in Engineering, Technology, Applied Science, and Management. Aligned with its vision, KCT emphasizes Outcome-Based Education (OBE) through an autonomous status, allowing dynamic curriculum design and mid-course adjustments. The institute focuses on 21st-century skills, incorporating Core Fundamentals, real-time applications, and principles in its programs.

Program Educational Objectives (PEOs), Programme Outcomes (POs), and Programme Specific Outcomes (PSOs) are formulated, considering industry-demanded skills. Stakeholder feedback from students, faculty, alumni, and employers is actively considered by statutory bodies like the Board of Studies and Academic and Governing Councils.

The curriculum addresses global, national, regional, and local needs, integrating emerging trends such as Battery Technology, Smart Cities, and Design and Manufacturing. Policies from DST, UGC, AICTE, and Professional Bodies guide skill development, employability, and innovation integration into the curriculum.

POs are set based on NBA guidelines, and PSOs are designed aligning with graduate profiles recommended by Professional Bodies like ASME, IEEE, and ACS. Curriculum development involves benchmarking with premier institutions, adopting national and international best practices, and revising syllabi regularly to stay current.

The curriculum includes practical elements like Innovation Practicum, Internships, and Capstone Projects, along with mandatory courses in Ethics, Environmental Science, and Entrepreneurship Development. Oversight by PAC, DAB, BoS, and the Academic Council ensures compliance and periodic audits.

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	https://naac.kct.ac.in/1/ssr/1_1_1/1.1.1%20PEOs-POs-COs%20%20Needs%20and%20relevance.xlsx

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

2

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	[View File](#)
Details of syllabus revision during the year	[View File](#)
Any additional information	**No File Uploaded**

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

863

File Description	Documents
Curriculum / Syllabus of such courses	[View File](#)
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	[View File](#)
MoUs with relevant organizations for these courses, if any	[View File](#)
Any additional information	**No File Uploaded**

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

863

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

29

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Kumaraguru College of Technology (KCT) ensures a dynamic education by integrating issues like Professional Ethics, Gender, Human Values, Environment, and Sustainability into its curriculum. Regular updates reflect these priorities in both core and elective courses. Program Outcomes highlight Disciplinary Outcomes, Transferable Skills, Complex Engineering Problems, and Contextual Knowledge, emphasizing Ethics, Environment, and Sustainability.

KCT offers dedicated courses on Ethics, Human Values, and Gender Issues, addressing global challenges aligned with UN SDGs such as global warming, pollution, and gender equity. From the first to the seventh semester, the Autonomous Regulation includes Gender and Human Values courses, promoting values like truth, justice, love, peace, and non-violence.

In line with Ministry of Education initiatives, KCT's mandatory Student Induction Program includes a Universal Human Value Course. Courses on Indic Culture, Technologies, Human Rights, RTI Act, and Entrepreneurship Development broaden students' understanding of culture, rights, and entrepreneurship.

Ethics and Leadership Development courses within a Flexible Comprehensive Learning Framework focus on humanities, social sciences, management, and leadership, fostering responsible citizenship. Environmental awareness is promoted through courses and practical activities like establishing Green Corridors, Ahimsa Vanam, and Resource Recovery Park, emphasizing sustainability, water harvesting, and recycling.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	**No File Uploaded**

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

46

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	**No File Uploaded**

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

3378

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1473

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	**No File Uploaded**

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	**A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	https://aqar.kct.ac.in/AQAR_22-23/1/Files/1_4_1/1.4.1_FeedbackSystem.docx
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	**No File Uploaded**

1.4.2 - The feedback system of the Institution comprises the following	**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	https://aqar.kct.ac.in/AQAR_22-23/1/Files/1_4_2/1.4.2_FeedbackSystem.docx
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1887

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

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

733

File Description	Documents
Any additional information	[View File](#)
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

KCT aims to foster diversity by welcoming students from various socio-economic, communal, linguistic, and geographical backgrounds, as well as those with different abilities, including those with disabilities and athletes. The institution is committed to providing a comprehensive education to all students. Assessments are conducted to understand individual learning needs, allowing for tailored course delivery.

Additional coding sessions are provided to biology students to bridge any gaps in technical skills. Remedial classes are offered for subjects like Mathematics, Programming Languages, and others where performance is lacking. Summer/Winter Tracks are available for students needing extra support, overseen centrally through Controller of Examinations and respective Department Heads.

Fast learners are grouped for specialized learning experiences such as science projects, design thinking, exposure to intellectual property rights etc.

Also Minor specialization is offered to students on Data Science, Cyber Security, Data Science and 3-D printing.Students with CGPA greater than 8 are provided w Online courses on platforms like Coursera, Great Learning, Udemy, and NPTEL are encouraged. Language courses in Hindi, French, German, and Japanese are

offered to enhance academic profiles.

Exceptional students are sponsored to join professional bodies (IEEE, IE,FPSI, AIDAT, CMA, NHRD) relevant to their fields. Mentors and department heads identify these individuals for further development opportunities.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2023	**6091**	**342**

File Description	Documents
Upload 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:

Student-centric learning methods are introduced as a hub-spoke model in KCT, where teaching – learning activities to meet curricular requirements are carried out by academic departments, while Re, iQube, Garage, CLED, KCIRI and Forge to involve students in co-creation of various learning modules, delivering additional lectures/courses through peer-learning and build confidence levels of the students.

Experiential learning

1. Embedded courses

2. Simulation based experiments in laboratories, industry sponsored facilities with commercial scale experiments

3. Workshops with computer-based learning

4. Industrial visits/field visits / Internships

Participative learning

1. Students joining with faculty members in executing projects funded by the industries, Government agencies thereby providing opportunity to understand higher level concepts in their domains, get hands-on experience in handling equipment, instruments and machines.

2. Handling the classes to the junior students by seniors, mentoring by alumni, laboratory courses, preparation for competitive examinations,

3. Short courses, lectures, workshops and demonstration sessions.

Problem Solving

1. Offering courses that leads to diagnosing a problem and providing solutions

2. Tutorial component is introduced in the analytical courses, wherever required.

3.Intramural hackathons a to enhance the learning experience, implement the understanding and improving abilities of students to provide solutions to complex problems.

4. Designing and developing new products to participate in various competitions

5. Pre-placement internships in companies to solve problems and executing capstone projects

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

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

To enhance the learning experience, to provide better user-experience, state-of-the-art educational technologies are employed

in the teaching-learning process. KCT has laid the optical fibre cable connecting every part of the campus for quick and easy access of contents from the Intranet / Internet, WiFi connectivity in the classrooms. All the faculty members of KCT own personal laptops. Students are encouraged to use the facilities available in the institution and needy students are supported through financial assistance schemes of the Institute / facilitating bank loans to purchase computing systems.

Software required for simulation, analysis and animation are purchased and students are permitted to use them remotely also. All the classrooms are equipped with LCD projector, system connectivity and Internet. Besides, every academic block is equipped with Interactive Smart Board with wider features for enhancing the teaching. Video conferencing, Skype facilities are made available for interacting with experts, alumni and peer groups for value added discussions related to emerging topics.

KCT has signed an Institute-wide license with Microsoft (A1 License) Teams for email communications,conducting on-line classes and,the portal combiningMS Teams with Learning Management System, further facilitates, uploading course materials, video lectures created by faculty members, automatic capturing of student attendance, posting of continuous assessment questions and marks, semester-end marks and processing of the results and awarding the grades.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.mycamu.co.in/#/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

342

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The planning of activities for the upcoming Academic Year is a meticulous process, incorporating inputs from various stakeholders such as the Academic Section, Controller of Examinations, Student Affairs, Statutory Bodies, Government (considering holidays), Accreditation-related activities, Support Systems, and Clubs and Societies. This collaborative effort results in a comprehensive calendar for the institution, allowing KCT to optimize resource utilization and strategically plan events at the institutional level, including sports day, techno-cultural events, graduation day, and other significant occasions. The Academic Calendar serves as a crucial tool for planning and optimizing common facilities, laboratories, institute-wide electives, internal assessments, and semester-end examinations.

In terms of teaching plans, course planning is undertaken well in advance of each semester and requires approval from the module coordinator and Head of the Department. The course plan encompasses details such as faculty name, designation, program offering, semester, regulation, academic year, course category (theory/lab/theory with lab), and credit allocation. For common courses and electives, course plans are collaboratively developed by the Course Committee, providing essential information like prerequisites, course outcomes aligned with Bloom's Taxonomy levels, and the assessment scheme. The syllabus is logically organized into sessions, incorporating formative assessments, assignment topics, and self-study components if applicable. In cases involving e-content, decisions regarding synchronous and asynchronous modes are made, and relevant materials are prepared and shared for easy student access.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

342

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

208

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

12

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

26

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

751

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

The Office of the Controller of Examinations, established post-autonomous status, plays a pivotal role in introducing reforms in scheduling, assessments, evaluation, and result publication, ensuring transparency. The implementation of these reforms involves automation, IT infrastructure integration, and tools such as MS Excel, KITE, and KOED for accuracy and reliability. KCT's choice-based curricular system, integrated with the KITE portal, empowers students to select courses, faculty, and timetables during enrollment, with online attendance tracking ensuring eligibility for final exams.

The examination process, managed through a secure software system, guarantees transparency and confidentiality from calendar preparation to result declaration. Information dissemination, including personalized exam schedules, hall arrangements, and hall tickets, is accessible through the web portal. The mapping of questions to Course Outcomes and Levels of Cognition follows Bloom's Taxonomy, aiding in assessment and syllabus redesign.

Online examinations utilize robust software support, video, and AI-based proctoring to prevent malpractices, instilling confidence in

KCT's examination system. The process is reviewable and auditable digitally with continuous screen captures. The ERP System provides easy access to course information, credits, and grades for students and parents, enhancing communication and transparency.

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

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Mechanism of Dissemination PEO, POs and PSOs

Once the PEO, POs, PSOs and COs are approved, they are disseminated to create awareness among the stakeholders, to understand by students and facultyso that they respond to expectations and develop their capabilities (Knowledge, Skills and Attitude). These outcomes are disseminated in multiple ways – discussions, information, and publication – to different stakeholders, using printed and e-sources, as given in the Table.

Table2.6.1 Dissemination of the PEOs, POs and PSOs

Sl. No.

Stakeholders

Process of Dissemination

1

Management and Members of Governing Council

Published in Regulations

Department Newsletter

Website

2

Faculty/ Staff/ Students

Discussed in Induction Programmes

Published in Regulations & Curriculum book

Department Newsletter

Posters in Teaching Venues

Website

3

Parents

Published in Website

Dissemination of COs

Course Outcomes of each course are given as a pre-reading material in the curriculum, placed before the syllabus to enable the students and others to understand and appreciate the expectations from them at the end of the course – the capabilities the students will be able to perform / demonstrate. While framing assessment and evaluation questions, course outcomes are considered to allocate the proportion of marks, to justify their mapping strength POs and PSOs.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	[View File](#)
Upload any additional information	[View File](#)
Link for additional Information	https://www.kct.ac.in/our-programmes/

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

As stated in 2.6.1,the evaluation of Program Outcomes (POs) and Program Specific Outcomes (PSOs) employs a bottom-up approach. This involves the systematic calculation of individual Course

Outcomes (COs), their alignment with relevant POs/PSOs, and subsequent assessment of overall PO and PSO achievement against predetermined targets.

Each course is equipped with specified course outcomes, a cognitive process-based course plan (aligned with Bloom's Taxonomy), and a defined assessment pattern outlined in the curriculum. Data collection involves a comprehensive array of evaluations, including tests, assignments, and other academic assessments tailored to the course content.

Evaluation incorporates both direct and indirect measures. Target levels for POs and PSOs are established beforehand, and the meticulous calculation of actual outcomes forms the basis for continuous improvement initiatives. A CO-PO Mapping Matrix illustrates the alignment between Course Outcomes and Program Outcomes, facilitating a clear visualization for instructors.

In instances where POs/PSOs fall short of targets, collaboration between the Department Advisory Board (DAB) and course coordinators ensues. Strategies for enhancing student performance, covering content preparation, delivery, and assessment, are identified and implemented. Indirect methods such as program exit surveys, alumni surveys, and employer surveys contribute to a holistic assessment. Average scores from these surveys serve as indirect indicators, guiding discussions in Board of Studies and Academic Council Meetings. The provided Additional Information includes a sample calculation, offering clarity on the assessment process for COs, POs, and PSOs.

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

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1496

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://aqar.kct.ac.in/AQAR_22-23/2/Files/2_6_3/COE_ANNUALREPORT_2022-23.pdf

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://aqar.kct.ac.in/AQAR_22-23/2/Files/2_7/SSS_22-23.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

KCT has created different institution-wide research facilities to foster research and innovation culture among students and faculty members.

Research Facilities:

iQube helps tech enthusiasts to convert their innovative ideas into commercially viable and technically challenging prototypes.

Garage is a student involved Product Development – Research Centre of the automotive sector. Students here design and construct vehicles that include terrain vehicle, supra vehicle, quad bike, dirt bike, go – kart and solar karts.

Research and Exploration (Ré) instigates a research culture among the student support in provide engineering solutions to world problems by mentoring, guiding and incubating students' research projects.

Kumaraguru Centre for Industrial Research and Innovation(KC.IRI) is a focused Research & Innovation ecosystem in symbiotic collaboration with Industries for the promotion of industry-

specific applied research, innovative product development, advanced learning and skill development programmes. It connects Industry with KCT academia to facilitate research, development, and process improvement in industries.

Coimbatore Innovation and Business Incubator (CIBI) provides a platform to students, faculty members and public to incubate new ideas into new products/processes.

KCT has established 11 collaborative laboratories, with industries to understand concepts, modify and develop new processes and products , and 12 Department Research Centres to facilitate Ph.D programmes.

Research Policy:

KCT has a well-defined policy for promoting research within an institution which creates a culture of innovation and excellence with impactful research.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.kct.ac.in/policy/
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

25.54

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

9

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	**No File Uploaded**

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

67.78

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	**No File Uploaded**

3.2.2 - Number of teachers having research projects during the year

15

File Description	Documents
Upload any additional information	[View File]
Paste link for additional Information	**Nil**
List of research projects during the year	[View File]

3.2.3 - Number of teachers recognised as research guides

65

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	[View File]
Institutional data in Prescribed format	[View File]

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

8

File Description	Documents
Supporting document from Funding Agencies	[View File]
Paste link to funding agencies' website	**Nil**
Any additional information	[View File]

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The campus cultivates a robust research culture through academic initiatives like Focused Research Groups, student bodies (Re`, iQube, Garage), and research as a key vertical in the Students' Leadership Council. A dedicated Centre for Research, focused laboratories, and recruitment of student interns contribute to this environment. The Super-60 program sponsors fast learners for

specialized training, enhancing their research skills.

Co-curricular activities include a stream with clubs related to research. The Research Cell oversees activities for students and faculty, while the IPR Cell handles filings resulting from collaborations. A committee of Senior Leaders facilitates MoU and NDA signings for research.

KCT's Research Policy addresses needs and means, facilitates activities, disseminates information, and manages post-project activities. The HR Policy incentivizes research-related activities, supporting faculty with grants, travel, on-duty availability, publications, career progression, and lab visits.

Recognition and rewards for faculty achievements drive further research. The Kumaraguru Center of Industrial Research and Innovation collaborates for funding, and the KCT-DST funded Incubator (Forge Accelerator) boosts innovation.

Each department has a research lab, and KCT partners with international universities for joint research and conferences. Notably, students and faculty receive recognition for research achievements. Various support systems contribute to the success of research activities at KCTare provided in the attachment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.kct.ac.in/intellectual-property-rights-ipr-cell/

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

39

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

183

File Description	Documents
URL to the research page on HEI website	https://www.kct.ac.in/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

446

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

60

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://aqar.kct.ac.in/AQAR_22-23/3/Files/3_4_4/3.4.4_DetailsOf_BooksEdited_Volumes.xlsx

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

22505

File Description	Documents
Any additional information	[View File](#)
Bibliometrics of the publications during the year	[View File](#)

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

58

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View File](#)
Any additional information	[View File](#)

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

138.86

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	**No File Uploaded**

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

93.55

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	**No File Uploaded**
Any additional information	**No File Uploaded**

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

KCT actively engages in outreach activities to support and uplift neighboring communities, focusing on basic needs, improved lifestyles, and awareness on health and education issues. Below are key initiatives undertaken by KCT to promote social development among students and the local community.

NamadhuPangu (NP)

- **Adopted five village panchayats to extend ongoing support. Distributed milk to 780 schoolchildren every Friday.**
- **Rural Learning Centre provides classes to 30 schoolchildren,**

Monday to Friday. Additionally, annual vacation camps are held to nurture and enhance the talents of schoolchildren.

National Service Scheme (NSS)

- Organized a range of voluntary activities, including eye camps, blood donation drives, tree plantation, and a seven-day special camp in villages.

National Cadet Corps (NCC)

- Conducted Swachh Bharat activities, lake cleaning, and tree plantation drives.

Rotaract Club

- Focused on tree plantation, eye camps in villages, blood donation drives, and raising awareness on plastic eradication.

Microcosm

- Specialized in upcycling products such as plastics, clothes, and slippers.

Social Immersion Project (SIP)

- Facilitated student projects in collaboration with NGOs and other nodal partners.

Clubs and Societies

- Youth Red Cross provided training in first aid and disaster management. The Red Ribbon Club supported AIDS awareness programs.
- Road Safety Patrol held awareness programs on road safety, impacting public lives.
- Nature Club, PudhuPaavai, UYIR Club, Gandhian Youth Movement, and ABLE Club worked on grassroots initiatives in the community.

These activities aim to sensitize students to social issues, encourage holistic development, and foster a sense of social responsibility among students while positively impacting the wider community.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.kct.ac.in/social-consciousness-and-outreach/

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

3

File Description	Documents
Number of awards for extension activities in during the year	[View File](#)
e-copy of the award letters	[View File](#)
Any additional information	**No File Uploaded**

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

82

File Description	Documents
Reports of the events organized	[View File](#)
Any additional information	[View File](#)

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

3528

File Description	Documents
Reports of the events	[View File](#)
Any additional information	[View File](#)

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

1077

File Description	Documents
Copies of documents highlighting collaboration	<u>View File</u>
Any additional information	**No File Uploaded**

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

98

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<u>View File</u>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<u>View File</u>
Any additional information	**No File Uploaded**

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 equipments, etc.

KCT has a total land space of 156.61 acres of 1.33 lakh sq.m.built-up area. Buildings are constructed with natural ventilation,aeration and have ramps for differently abled students and haswell connected footpath. Lifts are available in high-risebuildings. Playgrounds have been established in an area of 23acres.

Facilities Available@KCT 1.Land area (Acres) -156.61 2.Instructional Area(sq.m.) -34983 3.Administrative Area(sq.m.) -2855 4.Amenities Area(sq.m.) -2773 6.Total Classrooms and Area-130no. & 10760 sq.m 7.Total Tutorial Rooms and Area-17no.& 984 sq.m 8.Laboratories and Area-123no.& 16307 sq.m 9.Drawing Hall(sq.m.) -448 10.Seminar Halls-5 no.& 1548 sq.m 11.Auditorium(sq.m.) -1457 12.Innovation Centres -Garage (520 sq.m),iQube (256 sq.m),Re`(208 sq.m) 13.Student Activity Centre-

Available (590 sq.m) 14.Library Books-111094 books
15.Computers(no.) -1624 17.Innovation Lab -KC.IRI(754 sq.m),
KC.AIR(134.54 sq.m) 18.IPR Cell-Available 19.Industry Sponsored
Labs -16

20.Incubation Centre-1 Centre 21.Library to promote Language and
Culture-70000 books Other physical facilities include: power
generation anddistribution, space for PV power (250kWp), sewage
treatment, ROplant, resource recovery park, temple, vehicle
parking, gymnasiumand indoor games, rain water recharging and
collection pond, residential complex for students and staff, guest
house, open-airtheatre, transport station, Garage-Innovation
Centre and halls for cultural activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	www.kct.ac.in

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

KCT has spaces earmarked for sports, games, yoga and
culturalactivities.

S.No.

Sports Facility

Area sq.m.

1.

Playground Total Area

93070

(23 Acres)

2.

Hockey Field (1no)

6324

3.

Standard Athletic 400mts Track (1no)

11315

4.

Cricket Field(1no)

11315

5.

Cricket Practice Net (2 no's)

300

6.

Football Field(1no)

9200

7.

BasketballCourt (3 no's) with Floodlight

3500

8.

VolleyballCourt (3 no's) with Floodlight

2100

9.

Ball Badminton Court (2 no's) with Floodlight

1000

10.

KabaddiCourt (4 no's)

Including 2 no's Pavers with Floodlight

920

11.

Tennis Court (1 no)

1002

12.

Handball Court with Floodlight (1no)

1500

13.

Kho-Kho Court with Floodlight(1no)

860

14.

5's Football court Turf with Floodlight(1no)

1500

15.

Throwball Court(1 no)

500

16.

Table Tennis Board (3 no)

135

17.

Archery Practice Area

2100

18.

Chess Academy

380

19.

Synthetic Badminton court (6 no's)

2566 sq.m

20.

Karate and Fencing for Men/women

451 sq.m

Yoga and Meditation: Meditation Hall/ Gnanasabai (219sq.m.), Dhyana Mandapam (193sq.m.) and Yoga Hall (250sq.m.) are established for students to practice yoga and meditation, facilitated by trained set of faculty members.

Cultural Activities and Clubs: Air-conditioned auditorium (1457sq.m.) of capacity 1500 seats, Five Seminar Halls with seating capacity ranging from 70 to 480 and 16 Conference Halls in academic blocks are available for events. Yugam Techno-cultural event features 130+ events, 60+ workshops, cultural performances, inspirational talks, competitions and contests, witnessed by 10,000+ audience annually

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	www.kct.ac.in

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

135

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

1545.47

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

Mahatma Gandhi Central Library (MGCL) is the hub of KCT, housed onthe first floor of Mahalingam Vigyan Bhavan, with a built-up area of 1714 sq.m. It is a Learning Resource Centre and offers Library services to all the Students, Research scholars, Faculty members, and all other staff members of the KCT.The library follows an open-access system (library.kct.ac.in). The Central Library has a collection of 111806 printed books, 31,510 E-journals including IEEE ASPP, Springer, ASCE, ASME, J-Gate,Elsevier Science Direct, and EBSCO Business Elite, EBSCO Textile Technology, 1268 e-books, N-LIST and 250 print journals and magazines. Remote access is provided to all the KCT users through INFED - INFLIBNET for accessing all the subscribed e-resources of MGCL. It has a collection of 7918 CDs and DVDs. NPTEL online courses (400 web and 500 video courses), hosted in one local server.The library is fully computerized and automated using Koha Librarysoftware, integratedwith RFID and Barcode Technology. An interactive touchscreen KIOSK facility is also available.A WebOPAC (Online Public Access Catalogue) facility is available. A Braille collection of Books are added to the MGCL Collection. NVDA (Non-Visual Desktop Access)-Screen reader software is installed in

the Digital Library to hear the audio of soft copy books and documents. KCT MGCL holds institutional membership with DELNET (Developing Library Network) for ILL (Inter Library Loan) and Document Delivery Services.KCT MGCL also holds a membership with the National Digital Library of India.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	[https://www.kct.ac.in/the-campus/]()

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	[View File]()
Upload any additional information	**No File Uploaded**

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

43.64

File Description	Documents
Audited statements of accounts	[View File]()
Any additional information	**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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

2661

File Description	Documents
Upload details of library usage by teachers and students	[View File](#)
Any additional information	**No File Uploaded**

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

KCT provides campus-wide Internet, wired / Wi-Fi facilities (60 access points) and ERP software for campus management connected through 1 Gbps Internet bandwidth. KCT has IT Policy that governs, subscription (connection), usage and termination of usage by students, faculty members, technical and administrative staff members for teaching-learning, research and consultancy services, support services, security and surveillance inside campus. Policy includes (i) Rights and Responsibilities, (ii) Staff Responsibilities, (iii) User Responsibilities, (iv) Acceptable Uses, (v) Confidentiality and IP Agreement, (vi) Disclaimers and (vii) User Agreement.

IT facilities of KCT includes (i) hardware and (ii) software facilities to connect various facilities and provide necessary facilities, services and supports. Entire Campus is connected through optical fibre cable (OFC) spanning over a length of 5950 Meters. Hardware facilities of the Campus include 1624 computers, 77 printers, Optical Character Recognition (OCR) machine, Dummy Number Preparation Machine, RFID / Barcode systems for campus entry and exit for both students and faculty members. 693 IP Cameras are installed at various locations in the campus for safety and surveillance. 70 Nos of Biometric devices are installed at various points to capture the fingerprint / facial recognition of the faculty and hostel students to mark their attendance.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
6094	**1819**

File Description	Documents
Upload any additional information	[View File]()

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	**A. ?50 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	[View File]()
Upload any additional information	**No File Uploaded**

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	**A. All four of the above**

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	**Nil**
List of facilities for e-content development (Data Template)	[View File]()

4.4 - Maintenance of Campus Infrastructure

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

3279.85

File Description	Documents
Audited statements of accounts	[View File](#)
Upload any additional information	[View File](#)

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

The development and maintenance of infrastructural facilities inthe campus has been one of the priority areas of activities at KCT. The management is committed to maintain and develop the campus as a user – friendly and eco – friendly space. The campus resources are administered by well established functional divisions with defined responsibilities. The physical infrastructure of each department is taken care by a faculty Infra Coordinator.Electrical maintenance, network-related repair & maintenance works, Air-conditioning (AC) maintenance are registered through an online portal with a ticket number through online portal(www.smartapps.kct.ac.in). The closure of the work is communicated to the faculty/staff member who registered the work in the portal.A well-staffed housekeeping division is available for maintain ambience, cleanliness, & hygiene in all the classrooms,laboratories, libraries, administrative offices, and rest rooms.

S.No

Functional Division

Responsibilities

Officer Responsible

1.

Civil Maintenance

Campus maintenance

Head-Infra

2.

Electrical and Solar Facilities

Maintenance of electrical installations

Manager

3.

AC Maintenance

Maintenance of AC, WaterCooler

Manager

4.

House Keeping

General cleanliness

Head – Facilities & Operations

5.

Water Supply and Plumbing

Maintenance of water lines

Engineer

6.

Water Management System

Reverse Osmosis and

Sewage Plant

Head – F&O

7.

Technical Support

Maintenance of Networks, Servers, PCs, peripherals, Bandwidth

Chief Technology Officer- DTS

8.

Security System

Security Service

Head — F&O

9.

Transport System

Transport Services

Asst Manager

10.

Hostels

Hostel Services

Deputy Head — Hostel

11.

Medical Centre

Healthcare Services

Doctor and Staff Nurse

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2303

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	[View File]()
Upload any additional information	[View File]()

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

1356

File Description	Documents
Upload any additional information	[View File]()
Institutional data in prescribed format	[View File]()

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	**A. All of the above**

File Description	Documents
Link to Institutional website	https://kct.ac.in/placement/
Details of capability development and schemes	[View File]()
Any additional information	[View File]()

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

1188

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

1182

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

117

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	**No File Uploaded**

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

75

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

80

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Student Leadership Council of Kumaraguru College of Technology isan advisory body comprising 30 student presidents of all academicdepartments, heads of student clubs and forums, sports captains,and NCC student officers. The purpose of the Council is tofacilitate students in curricular, co-curricular,

andextracurricular activities, ideate, design programmes & policies,introduce, enhance processes and resolve student challenges.Student Leadership Council members work for the student's wellbeingand for overall progress through continuous development andstrive to enhance students' experience and expectations leading topersonal success. They represent their fellow mates in college andbring their needs to the table for discussions and ideations.Student leadership skill can be divided into two parts, first oneis leadership role in administration: student members in thehostel, mess committee, cultural event organization, DepartmentAssociation members, and in various events based on their fieldsof interest.The second responsibility is academic leadership in the curriculumdevelopment process, which includes Board of Studies meetings,Department Advisory Board meetings, Department Associationmembers, placement representatives, class representatives, studentcoordinator, class, and course committee meetings. Exchange ofperceptions and suggestions from different domains helps avertical and the team to grow together. They are in IQACcomposition as per NAAC and they attend IQAC meetings and express their opinions.

File Description	Documents
Upload any additional information	<u>View File</u>
Paste link for additional information	<u>https://www.kct.ac.in/office-of-student-affairs/</u>

5.3.3 - Number of sports and cultural events / competitions organised by the institution

46

File Description	Documents
Report of the event	<u>View File</u>
List of sports and cultural events / competitions organised per year	<u>View File</u>
Upload any additional information	**No File Uploaded**

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

- **Alumni Association :**Registered as Kumaraguru College of Technology Alumni Association under the Tamil Nadu Societies Registration Act 1975 (Tamil Nadu Act 27 of 1975).
- **Global Reach:** Boasts a network of 30,000+ alumni worldwide.

Objectives: The KCT Alumni Association aims to bring together the alumni of Kumaraguru College of Technology for:

- Exchange of experience.
- Dissemination of knowledge and talents.
- Fellowship and advancement of scientific knowledge.
- Conducting seminars, conferences, workshops, endowment lectures, and other academic activities.
- Providing financial support to deserving students.

Activities: The association engages in various activities to achieve its objectives:

- Creation of Alumni endowments for scholarships, prizes, and medals.
- Interacting with accrediation bodies
- Facilitating interaction between alumni and the College for advice on technical problems and job opportunities.
- Maintenance of camaraderie and fraternity through social and cultural associations.

Reunions: Reunions play a crucial role in strengthening the alumni network. Various reunion events are

- Global Alumni Meet — Every 2 years.
- Silver Jubilee Meet — Annual event in July.
- Other Reunions at 5, 10, 15, 20, and 30 years intervals.

Alumni Support:

- Alumni contribute during crises such as Gaja cyclone, Kerala Flood, and Covid-19 pandemic.
- Alumni mentor students based on common interests, providing insights into career choices and opportunities.
- Alumni at the pinnacle of their careers contribute to academic development and international exposure.
- Regularly seeks and values alumni feedback on academic functions.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.kctalumni.com

5.4.2 - Alumni's financial contribution during the year	**A. ? 15 Lakhs**

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

KCT has a governance system, driven by Vision, Mission,Values and aims to become one of the best-known entities in the sphere ofeducation.Over these years,top leadership has introduced many policy-oriented,system-based approaches that has led KCT to be oneamong the Top 100 Institutions in India at present.

Vision:To become a Technical University of International Standards through continuous improvement.

Mission: KCT is committed toproviding quality Education and training in Engineering and Technology to prepare students for life and work equipping them tocontribute to technological,economic and social development ofIndia.The College pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set students on the path to leadership.

Values KCT strives to imbibe ethical practices among youth, value based education with emphasis on personal values, family values,professional values, social values, national values and international values.Values and value systems have been established around single core value "Character is Life".

Perspective Plan: Based on theVision,Mission and Values of KCT, a perspective plan has been drawn with contributions received from

stakeholders.Plan envisionsKCT to be among the Top 50 Institutions by the year 2025, to be achieved through sustained developments towards (i)Teaching learning,(ii)Faculty quality,(iii)Outreach activities,(iv)Graduation outcomes and (v)Perception of stakeholders.These are divided into goals and targets,assigned to relevant teams and evaluated through performance review systems.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional Information	https://aqar.kct.ac.in/AQAR_22-23/6/Files/6_1_1/6.1.1_Committees.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Office of Student Affairs (OSA) was established to facilitate the needs and aspirations of students on academic, co-curricular, extra-curricular, campus life, well-being, conflict management, grievance redressing and nation building. Earlier, the activities were handled individually and did not extract advantages offered with coordinated efforts. Sub-systems shown in Criterion 6.1.1, involve smaller workgroups that carry out activities independently within specified scope, with defined roles and responsibilities. This manifest decentralised and participative management approach.

Decentralisation and Participative Management: Though dedicated manpower is employed at every stage, involvement of faculty members and students in every service is evident inimplementation and decision making. This has resulted in ability of faculty members to influence the system positively towardsLearning Culturewith transparency.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.kct.ac.in/wp-content/uploads/2023/03/KI_KRA_Website-Copy.pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Strategic Plan of KCT, which includes Equity and Access as one of the focus areas, aims to support the students with financial incentives, scholarships and stipend through various options, thereby improving the inclusive growth as detailed.

KCT is one of the preferred engineering colleges by the students and parents and it stands as one of the top 3 institutions in the State, in terms of admissions (Criterion 2.1.1.1). Every year, students from different communities and socio-economic backgrounds are admitted into various programmes. About 10% of the students belong to First Graduate category, 23 % of students belong to low income and middle-income categories, who many a time look for certain financial help.

Admission Scholarships

KCT, on its own and through philanthropic NGOs (Maatram, Agaram), identify meritorious students and provide admission scholarship, ranging up to 100%. Besides, KCT applies for Tuition Fee Waiver (TFW) scheme under AICTE to encourage meritorious, economically deprived students to join engineering programmes.

Merit Scholarships

Students of UG and PG programmes are encouraged to perform better in academics, research, extra/co-curricular and outreach activities, and those who actively participate in organising various academic events in the Campus. Students from these categories are selected and provided scholarship to excel in their domains.

Financial Incentives

Students, who excel in academic activities, participate in extra-mural events are encouraged with financial incentives to meet their expenses towards design and development of prototypes, registration and travel, disseminating their findings in terms of publications in conferences and IP rights.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://www.kct.ac.in/wp-content/uploads/2023/03/KI_KRA_Website-Copy.pdf
Upload any additional information	**No File Uploaded**

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

KCT has defined organisation structure and roles that are transparent, documented and implemented according to Institutional guidelines or as per statutory requirements. Calendars of events / activities are prepared for efficient functioning of academic Departments, Centres and Offices.

KCT has laid-down Policies, Procedures/SoPs for every major function for ensuring the effectiveness. Implementation of policies, procedures and functioning of different work systems with relevant feedback are reviewed and suitable remedial actions are taken by IQAC. Based on Roles and Responsibilities involved 'positional allowances/honorarium' are given to faculty members. Also, Members / Committees that gives significant contribution are recognized and rewarded suitably.

In order to have the smooth functioning, following Policy / Process Documents are available:

1. **Admission Policy**
2. **HR Policy**
3. **Probation Policy**
4. **Promotion Policy**
5. **Emergency Management Policy**
6. **Email Usage Policy**
7. **Referral Policy**

8. **Residential Accommodation Policy**
9. **Examination and Evaluation Policy**
10. **Research Policy**
11. **IPR Policy**
12. **IT Policy**
13. **WiFi Policy**
14. **Purchase Process**
15. **Paper Usage Policy**
16. **Green Campus/Waste Management Process**
17. **Revenue Sharing (Consultancy) Process**
18. **SoP for Faculty Awards**
19. **OSA – SoPs**
20. **SoP for Scholarships**
21. **Adjunct Faculty Policy**
22. **SoP for Industrial/Field Visits**
23. **Students Grievance Redressal Policy**
24. **Transportation Policy**
25. **Disabled friendly policy**

Based on the feedback received, changes in the policies / guidelines issued by various agencies, these policies are reviewed and amended/revised.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.kct.ac.in/wp-content/uploads/2022/04/Mandatory-Disclosure.pdf
Upload any additional information	View File
Paste link for additional Information	https://naac.kct.ac.in/6/ssr/6_2_2/6.2.2%20policy%20new.pdf

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	**No File Uploaded**

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

KCT has HR Policy, which encompasses welfare measures and career development opportunities for both faculty members and support staff. KCT adopts different measures to empower the faculty members and staff to realise their potential and improve their functions, performance in teaching-learning, research, outreach, personal/institutional developments and personal life. Both faculty and staff members are appraised about the scope and opportunities available for their career growth and avenues for career development, as a part of the Induction Programme.

Performance Appraisal System for faculty members has been implemented to provide transparent, unbiased evaluation of faculty members, receive feedback from faculty, Head of the Department and revise the system of appraisal thereby providing scope for planning the career progression to every member.

Welfare Measures - Faculty and Staff Members

1. **Flexible Working Hours**
2. **Admission to Wards**
3. **Sabbatical for Higher Education**
4. **Residential Facilities**
5. **PhD Allowance)**
6. **PositionalAllowance**
7. **Seed Grant for Projects**
8. **Yearly Performance - Special Incentives**
9. **Incentive for Publications**
10. **Reimbursement of IPR Filing Expenses**
11. **Recognition during Teachers' day**
12. **Reimbursement of NPTEL Exam Fees**
13. **Conference/Project Presentation - TA,Registration,**

```
       Accommodation
 14. Laptop Scheme with interest-free EMI
 15. Subsidized Transport Facility
 16. Gift Voucher for Marriage
 17. Financial Support to attend FDP, Workshop and Conferences
 18. Travel Grant to receive Awards and Prizes
 19. Counselling (one-to-one and online)
 20. Hospital with Bed facilities
 21. Loan facility
 22. Provident Fund
 23. Gratuity
 24. Medical / Accident Insurance
 25. Six Months Maternity Leave
```

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

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

215

File Description	Documents
Upload any additional information	View File
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 programmes organized by the Institution for its teaching and non-teaching staff during the year

30

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

241

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

KCT's Finance Section, led by a qualified Chartered Accountant as the Chief Finance Officer, oversees financial transactions with the support of Accountants and Assistants. Robust controls are in place to safeguard assets, ensure accurate record-keeping, and define clear roles and responsibilities for effective information flow. The Financial Committee reviews activities, suggesting improvements to processes and procedures.

Independent internal and external audit firms assess controls and financial records, with audits focusing on specific objectives. Stakeholders are involved throughout the audit process, and findings are addressed by relevant authorities. The annual review, encompasses budgetary control, internal audits of resources, and statutory audits. The outcomes include equitable budget provisions, adherence to policies, and efficient resource utilization.

Audit findings, objections, and suggestions undergo a comprehensive review at the department, center, or institution level. Awareness programs and training sessions ensure implementation of best practices. The Annual Review by Statutory Auditors supplements internal audits, with reports submitted to regulators in a timely manner. KCT maintains a proactive approach to financial oversight, fostering accountability and continuous improvement.

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

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Financial status and viability of the Institute are monitored andreported by Accounts Section of the Institute, and through thirdparty auditors (Internal Audit and Statutory Audit) to theInstitute / Trust Office. Budget preparation process, at KCT, itself provides an opportunity to the Heads of Departments /Centres to understand the financial worthiness / viability, by capturing both possible revenue and expenses, thereby inculcatingfinancial consciousness in their operations.

While there is an overall long term Institutional strategy foroptimization of resources, an annual plan for mobilization of funds and optimal allocation thereof are determined prior to thestart of each academic year. Together with revenue income,possibilities of extending the use of various facilities withrestoration / repair and amalgamating different operations arealso considered to reduce the financial burden to the possible extent.

Being a self-financed educational institution, major source (~90%) of the income that comes from collection of tuition fee only.However, efforts are taken to reduce the dependency / risk ondepending purely on tuition fee collected from the students, everyyear and increase the income from other relevant

activities.Accordingly, policies, processes are established to explore neweravenues like offering short courses, industry-driven dedicatedprogrammes, alumni network, philanthropists, accumulating surplus revenues wherever and whenever possible to create reserve corpus.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.kct.ac.in/financial-statements/

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Kumaraguru College of Technology(KCT) has implemented significant quality assurance strategies and processes to achieve incremental improvements, demonstrating commitment to academic excellence and institutional development.

- **NAAC Accreditation: In the second cycle, KCT earned an A grade with CGPA 3.21 on a 4.0 scale. The third cycle marked a significant milestone byreceiveingan A++ grade with CGPA 3.62,after NAAC Peer Team visit in July 2022.**

- **NBA Accreditation: KCT's commitment to quality is further evidenced from NBAaccreditation for all 13 eligible undergraduate programs and 3 PG Programmes. Notably, Automobile Engineering Programmeachieved six-year accreditation, reinforcing the institution's high academic standards.**

- **Higher Studies: There has been a remarkable increase in the percentage of students pursuing higher studies, growing from 2% in 2020-21 to 10% in 2022-23. This reflects KCT's efforts to foster academic growth and encourage lifelong learning.**

- **Innovations in Teaching and Learning: KCT transitioned to a fully digital teaching model, making all content accessible online for students. This paved the way for blended**

learning,

- **Library Engagement: By conducting regular webinars and awareness campaigns, KCT significantly increased library usage, encouraging students to utilize resources for their academic development.**

- **Awards and Accolades: KCT's students achieved notable success in various competitions, including the Smart India Hackathon and other events organized by AICTE and various universities, highlighting the institution's quality and competitiveness.**

- **Research publication: Consistent increase in research paper publications by faculty and students as given in Criterion III**

- **GU Ranking : KCT is recognised as one among the Top 100 Institutions by GU Ranking, London.**

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

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Quality assurance through academic audits is a vital process aimed at enhancing the academic system and ultimately contributing to student success. Managed by the Internal Quality Assurance Cell (IQAC), the audit involves self-study, peer reviews, and site visits, fostering self-reflection and faculty improvement to elevate the overall education quality.

The Principal appoints an Audit Head who, in consultation with Heads, forms the audit team. The audit process occurs biannually internally and once externally. Audits encompass various checkpoints, including timetables, syllabus coverage, assessment patterns, and faculty workload. The findings are communicated to faculty through Heads, and a comprehensive report is discussed in

IQAC meetings to identify gaps.

Feedback from students was considered, prompting necessary actions like adjusting the timetable for final year Automobile Engineering students facing difficulties attending placement training sessions. This proactive approach ensures ongoing improvement and adaptability to evolving circumstances.

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

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	https://aqar.kct.ac.in/AQAR_22-23/6/Files/6_5_3/KCT_AnnualReport_2022-23.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	**No File Uploaded**

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

KCT has undertaken proactive measures to promote gender equity and create an environment that fosters equal opportunities for all.

The campus provides a safe environment for the girls by providing multi-layer safety features with physical and electronic security systems. 582 IP surveillance cameras and 32 biometric systems were installed.

I. Gender-Inclusive Policies: KCT has a comprehensive set of gender-inclusive policies to address issues related to recruitment, promotion, and retention of faculty and staff (HR Policy, Career Advancement Schemes, Performance Assessment Systems). To ensure a workplace and study environment free from discrimination, KCT has an internal compliance committee and a grievance redressal committee.

II. Women's Leadership Development Programs:

To encourage and empower women in academia, the institution has established leadership development programs specifically tailored for female faculty and staff through the Women Empowerment Cell.

III. Student Forum:

Pudhu Paavai Club (New-Age Woman Club) is an exclusive club for girl students at KCT. They go through a series of activities to get to their inner selves and to unwind their minds.

The Leadership Council actively encourages student leaders by providing equal opportunity in leadership roles based on their talents and skills, irrespective of gender.

IV. Campus Resources and Support Services:

The institution has developed dedicated resources and support services for individuals facing gender-related challenges. These resources include physical facilities, counselling services, and support services.

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

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	[View File](#)

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

KCT has well-laid policies and processes to handle solid, liquid, biomedical, and e-waste. KCT has established Microcosm, which plays a major role in formulating policies related to wasteprevention and waste handling and elimination, thereby moving towards a "sustainable, green campus".The Departmentof Facilities, with the dedicated manpower, takes care of the safe collection, segregation, and disposal of waste. Wherever possible, suppliers are advised / negotiated to use a minimum amount of packing materials, thereby reducing waste generation. Manures produced using biocomposting (Yard Capacity (1.5 Tons)) of waste are used in the kitchen garden to produce vegetables to the extent of (90 tons per year. Resource Recovery Park is an integrated solid waste management facility created within KCT with an area of 50 cents within KCTcampus. Waste generated on campus is segregated and disposed of responsibly through composting, upcycling, recycling, incineration, and scientific land filling through this facility. Wastewater collected on campus is treated in the Sewage Treatment Plant, which has an installed capacity of 10 LLPD and a storage capacity of 2 lakh liters and is used for gardening and irrigating thelandscapes. KCT does not use any radioactive waste in any form, so the handling and disposal of these wastes do not arise. With respect to the biomedical wastes that arise out of the campus-clinic (hospital), safe collection and disposal are ensured through the local municipal waste collection system.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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	**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

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**	**A. Any 4 or All of the above**

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.	A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
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, socio-economic and other diversities (within a maximum of 200 words).

The institutional efforts and initiatives at Kumaraguru College of Technology aims at cultivating an inclusive environment that promotes tolerance and harmony across various dimensions of diversity.

KCT has implemented a multifaceted approach to ensure inclusivity within our higher education institution. Admission policies have been revised to embrace diversity, focusing on creating a student body that reflects a rich tapestry of backgrounds. Our commitment to inclusivity is also evident in the curricula, with a deliberate effort to incorporate diverse perspectives, fostering cultural competency and understanding among our students.

The establishment of a dedicated Office of Student affairs underscores our commitment. This office provides a range of support services, mentorship programs, and counseling to students from diverse backgrounds. Recruitment practices prioritize the hiring of a diverse faculty and staff, contributing to the creation of a more inclusive academic community.

Also KCT actively engages in campus-wide events and forums that celebrate cultural festivals, heritage months, and awareness campaigns. These activities not only promote understanding but also create opportunities for open dialogue and shared experiences.

Recognizing the importance of addressing socio-economic disparities, KCT has implemented scholarship programs, financial aid initiatives, and outreach programs to underprivileged communities. This ensures that economic factors do not serve as barriers to accessing higher education.

Our collective efforts aim to create an environment that not only tolerates but actively celebrates diversity. By embedding inclusivity in our institutional policies, practices, and academic frameworks, KCT is dedicated to preparing students to thrive in a globalized world.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)

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

The fundamental duties of the Constitution to create and promotingculture and enforcing the duties vis-à-vis the fundamental rights arefollowed at every level in the institution. Founder of theInstitution was awarded the highest civilian award, PadmaBhusan by the President of India for his contribution andfollowing values, duties, and responsibilities relentlessly.Indian Constitution, as a mandatory course, is taught to allstudents of UG thereby bringing an awareness on constitutionalvalues, rights, duties, and responsibilities among everyone.Activities of NCC, NSS, Celebrating Independence Day & RepublicDay emphasise the importance of National Flag and National Anthem,cherish and follow noble ideals like Mahatma Gandhi, SwamiVivekanandha, Bharathiar and events related to freedom struggle.KCT maintains equity among the students and employees, regardlessof their regions, religions, and linguistic backgrounds, andmaintains the dignity of everyone, in particular women students andemployees. Courses related to heritage, culture, and values areoffered as open (FCLF) electives for students withdifferent backgrounds in the same classroom. Courses related toEnvironment, activities of Microcosm, NSS, NCC, Clubs & Societies have the focus to protect and improve the natural environment likeforests, lakes, rivers and promoting the presence of differentflora and fauna inside the campus in addition to different kindsof birds including the National Bird – peacocks thereby abidingthe Constitutional Values of India.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	[View File](#)
Any other relevant information	[View File](#)

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the Code of Conduct are organized	**A. All of the above**

File Description	Documents
Code of Ethics - policy document	[View File](#)
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	[View File](#)
Any other relevant information	**No File Uploaded**

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

KCT, functions with a motto "Character is Life", plans toinculcate different values among faculty members and students.Founder of the Institution, Late Padma Bhusan N Mahalingam himself was an ardent follower of Gandhian Principles and Swami Vivekanandha's ideologies and facilitated publication of the Biography of Mahatma Gandhi. Through systematic approach Clubs and Societies, NSS, NCC, Microcosm and Professional Chapters organiseand celebrate (i) Cultural Festivals, (ii) Important Days, (iii) Religion-Independent Festivals, (iv) Commemorative Days, and (vi) International Days.

Week-long celebrations are also organised during Gandhi Jayanthi,Literary Festival, Sarvodaya Week, Road Safety Week and Yugam(Techno-cultural Events). During nationally important dayslike Independence Day, Republic Day, Teachers Day, Chairman, Correspondent, and joint correspondent address the faculty members andstudents to showcase their commitment in such value-based eventsand nurture patriotism, commitment, and dedication to the profession and country. In order to continuously reinforce thecontributions of national leaders, among the young students,common facilities are named after the leaders, like - MahatmaGandhi Study Centre, Vivekananda Student Centre, Seminar Halls named after Vikram Sarabhai, Vishveshwarya and full-body statue of Swami Vivekananda has been installed in the institution.

Gandhi Jayanthi is celebrated every year to commemorate the doctrine of nonviolence, and special gathering is arranged for faculty and students with a special speech.Pongal is a traditional festival celebrated to acknowledge the sun, rain, soil, water, and cattle.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best Practice - I: Project-Based Learning for B.E./B.Tech Students

Purpose Project-Based Learning (PBL) aims to create a more dynamic, student-focused educational experience for engineering students. The approach centers on practical, real-world projects to foster a deeper understanding of engineering principles and their social relevance.

Key Goals

• Encourage a student-driven learning process where learners

actively participate in their own education.
- **Develop engineering projects that address societal needs, instilling a sense of social responsibility in students.**
- **Align project work with industry standards to provide students with practical exposure to real-world engineering challenges.**
- **Equip students with the technical expertise and skills necessary for successful job placement after graduation.**
- **Improve communication skills and soft skills alongside technical competencies.**

Best Practice – II: ProtoSem – Prototype Semester

Purpose ProtoSem is an innovative fellowship program crafted by the KCT-Forge Academy. It adopts an open innovation model within engineering education, promoting creativity and practical problem-solving among students.

Key Goals

- **Encourage students to engage in open innovation, allowing them to think creatively and collaboratively to solve real-world problems.**
- **Provide a platform for students to develop technology-driven solutions that meet the needs of various industries, corporations, startups, and society at large.**
- **Foster the acquisition of practical skills and competencies, giving students the confidence to tackle industry-related challenges.**
- **Create a collaborative environment where students work together to transform ideas into tangible prototypes, promoting hands-on learning and teamwork.**

File Description	Documents
Best practices in the Institutional website	https://www.kct.ac.in/iqac/
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Kumaraguru College of Technology(KCT) stands out for its robust

focus on research and innovation, providing a unique ecosystem for students and faculty to turn innovative ideas into commercially viable products. The institution has established several research centers dedicated to different areas, fostering industry partnerships and promoting applied research.

KC.IRI—Kumaraguru Centre for Industrial Research and Innovation: Connects industries with KCT's academia to facilitate research, development, and process improvement. This center supports industry-specific applied research and innovative product development, contributing to KCT's increased research output.

- iQube aims to bridge the gap between student skills and industry demands, helps students build technical expertise to develop practical solutions for real-world problems.
- Garage is a product development research center focused on automotive engineering. It allows students to design, construct, and compete with vehicles in various motorsport events worldwide.

- Ré(Research and Exploration Cell) promotes a research-oriented culture, mentoring students and providing engineering solutions to global problems.
- Forge serves as an incubation center, supporting innovation and start-ups, making KCT a hub for entrepreneurial growth.

Achievements: KCT has made significant strides in research, with 64 patents published in 2023 and 6 design patents granted over the past 5 years.

- Smart India Hackathon: Consecutive winners in the hardware edition showcase our problem-solving capabilities.
- Monaco Energy Boat Challenge: Team Sea Sakthi from our institution triumph in international challenges, which highlights our innovation.

Research paper publications:

- Scopus: 424(2019), 261(2020), 394(2021), 524(2022), 538(2023).
- Web of Science: 9(2019), 135(2020), 110(2021), 168(2022), 122(2023).

These achievements highlight KCT's commitment to fostering a research-driven environment that encourages innovation, industry collaboration, and continuous improvement.

File Description	Documents
Appropriate link in the institutional website	https://www.kct.ac.in/wp-content/uploads/2024/04/Institution-Distinctiveness.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Kumaraguru College of Technology (KCT) has outlined several key initiatives for the upcoming year aimed at enhancing academic quality, expanding global reach, and embracing innovative teaching methods. Here is an overview of their plans:

- **Problem-Based Learning (PBL):** KCT aims to implement Problem-Based Learning as a core teaching approach, encouraging students to develop critical thinking and problem-solving skills through real-world challenges.

- **Generative AI for Teaching Materials:** The college plans to raise awareness and explore the use of generative AI to create and improve teaching materials. This innovative approach will help faculty deliver more engaging and personalized content.

- **Increased Intake in Computer Cluster:** KCT intends to increase student enrollment in computer-related programs, reflecting the growing demand for computer science and information technology professionals.

- **International Accreditation:** To strengthen its global recognition, KCT plans to pursue international accreditation, ensuring its programs meet or exceed global standards.

- **Lab Upgradation:** The college is committed to upgrading its laboratory facilities, providing students with access to cutting-edge technology and equipment for hands-on learning.

- **Participation in International Competitions:** KCT encourages greater participation in international competitions, giving students opportunities to showcase their talents on a global stage and gain valuable experience.

- **NIRF Ranking:** KCT aims to improve its ranking in the

National Institutional Ranking Framework (NIRF) by focusing on quality enhancements and strategic initiatives that boost academic excellence and institutional reputation.

Through these planned initiatives, KCT seeks to solidify its position as a leading educational institution and enhance its contributions to the academic community and society at large.