



## YEARLY STATUS REPORT - 2022-2023

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>	Kongu Engineering College
• Name of the Head of the institution	Dr.V.Balusamy
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04294220583
• Alternate phone No.	04294226555
• Mobile No. (Principal)	9942820583
• Registered e-mail ID (Principal)	principal@kongu.ac.in
• Address	Perundurai RS Road, Thoppupalayam, Perundurai
• City/Town	Erode
• State/UT	Tamil Nadu
• Pin Code	638060
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	25/07/2007
• Type of Institution	Co-education
• Location	Rural

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr.N.Senthilnathan**
- Phone No. **04294226549**
- Mobile No: **9842783745**
- IQAC e-mail ID **accreditation@kongu.ac.in**

**3.Website address (Web link of the AQAR (Previous Academic Year))** [https://kongu.ac.in/igac/aqar/AQAR\\_2021\\_22.pdf](https://kongu.ac.in/igac/aqar/AQAR_2021_22.pdf)

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

- if yes, whether it is uploaded in the Institutional website Web link: <https://coe.kongu.edu/acschedule.php>

### 5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A+</b>	<b>3.13</b>	<b>2016</b>	<b>19/02/2016</b>	<b>18/02/2021</b>
<b>Cycle 2</b>	<b>A++</b>	<b>3.52</b>	<b>2022</b>	<b>29/03/2022</b>	<b>28/03/2027</b>

**6.Date of Establishment of IQAC** **02/06/2015**

**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
<b>EEE</b>	<b>SIRE</b>	<b>SERB</b>	<b>23/08/2022</b>	<b>1739024</b>
<b>Mechatronics Engineering</b>	<b>TDT-AMT</b>	<b>DST</b>	<b>04/10/2022</b>	<b>12784315</b>
<b>Mechanical Engineering</b>	<b>TARE</b>	<b>SERB</b>	<b>24/11/2022</b>	<b>1830000</b>
<b>Chemical Engineering</b>	<b>Student Project</b>	<b>IICHe</b>	<b>24/11/2022</b>	<b>10000</b>

Artificial Intelligence	DHR	ICMR	01/02/2023	1966880
Mechatronics Engineering	DHR	ICMR	23/02/2023	1481880
Mechanical Engineering	Student Project	TNSCST	03/03/2023	7500
Food Technology	Student Project	TNSCST	03/03/2023	7500
Food Technology	Student Project	TNSCST	03/03/2023	7500
Chemical Engineering	Student Project	TNSCST	03/03/2023	7500
Chemical Engineering	Student Project	TNSCST	03/03/2023	7500
Computer Science and Engineering	Student Project	TNSCST	03/03/2023	7500
Civil Engineering	Student Project	TNSCST	03/03/2023	7500
Electronics and Communication Engineering	Student Project	TNSCST	03/03/2023	7500
Electronics and Instrumentation Engineering	Student Project	TNSCST	03/03/2023	7500
Computer Science and Engineering	Minor Research Project	ICSSR	23/03/2023	427000
Mechatronics Engineering	R&D Project	IEI	23/03/2023	87000
Civil Engineering	RFRS	TNSCST	27/04/2023	300000

### 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**      **2**

- 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 the year?**      **No**

- If yes, mention the amount

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

Orientation for newly joined faculty

NBA Accreditation for Automobile Engineering and Management Studies

ISO recertification

**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
To improve the research publications	Publication count increased
To improve the faculty industrial training	Active MoUs with industries and training through industrial experts are in progress
To strengthen the industrial consultancy activities	More number of consultancy and revenue through consultancy is improved
ERP for CO, PO attainment calculation	Various vendors are considered and the purchase of new software which is common for all administrative activities is in pipe-line.
Organize refresher training programmes on OBE	Orientation and OBE awareness program for newly joined faculty was done.

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council Meeting	20/05/2023

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

- Year

**Part A****Data of the Institution**

<b>1.Name of the Institution</b>	<b>Kongu Engineering College</b>
• Name of the Head of the institution	<b>Dr.V.Balusamy</b>
• Designation	<b>Principal</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone No. of the Principal	<b>04294220583</b>
• Alternate phone No.	<b>04294226555</b>
• Mobile No. (Principal)	<b>9942820583</b>
• Registered e-mail ID (Principal)	<b>principal@kongu.ac.in</b>
• Address	<b>Perundurai RS Road, Thoppupalayam, Perundurai</b>
• City/Town	<b>Erode</b>
• State/UT	<b>Tamil Nadu</b>
• Pin Code	<b>638060</b>
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	<b>25/07/2007</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Rural</b>
• Financial Status	<b>Self-financing</b>
• Name of the IQAC Co-ordinator/Director	<b>Dr.N.Senthilnathan</b>

• Phone No.	04294226549
• Mobile No:	9842783745
• IQAC e-mail ID	accreditation@kongu.ac.in
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://kongu.ac.in/iqac/aqar/AQAR_2021_22.pdf">https://kongu.ac.in/iqac/aqar/AQAR_2021_22.pdf</a>
<b>4.Was the Academic Calendar prepared for that year?</b>	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://coe.kongu.edu/acschedule.php">https://coe.kongu.edu/acschedule.php</a>

**5.Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.13	2016	19/02/2016	18/02/2021
Cycle 2	A++	3.52	2022	29/03/2022	28/03/2027

**6.Date of Establishment of IQAC**

02/06/2015

**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
EEE	SIRE	SERB	23/08/2022	1739024
Mechatronics Engineering	TDT-AMT	DST	04/10/2022	12784315
Mechanical Engineering	TARE	SERB	24/11/2022	1830000
Chemical Engineering	Student Project	IICHe	24/11/2022	10000
Artificial Intelligence	DHR	ICMR	01/02/2023	1966880

Mechatronics Engineering	DHR	ICMR	23/02/2023	1481880
Mechanical Engineering	Student Project	TNSCST	03/03/2023	7500
Food Technology	Student Project	TNSCST	03/03/2023	7500
Food Technology	Student Project	TNSCST	03/03/2023	7500
Chemical Engineering	Student Project	TNSCST	03/03/2023	7500
Chemical Engineering	Student Project	TNSCST	03/03/2023	7500
Computer Science and Engineering	Student Project	TNSCST	03/03/2023	7500
Civil Engineering	Student Project	TNSCST	03/03/2023	7500
Electronics and Communication Engineering	Student Project	TNSCST	03/03/2023	7500
Electronics and Instrumentation Engineering	Student Project	TNSCST	03/03/2023	7500
Computer Science and Engineering	Minor Research Project	ICSSR	23/03/2023	427000
Mechatronics Engineering	R&D Project	IEI	23/03/2023	87000
Civil Engineering	RFRS	TNSCST	27/04/2023	300000

### 8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the [View File](#)



composition of the IQAC by the HEI		
<b>9.No. of IQAC meetings held during the year</b>	<b>2</b>	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10.Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
Orientation for newly joined faculty		
NBA Accreditation for Automobile Engineering and Management Studies		
ISO recertification		
<b>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:</b>		

Plan of Action	Achievements/Outcomes
To improve the research publications	Publication count increased
To improve the faculty industrial training	Active MoUs with industries and training through industrial experts are in progress
To strengthen the industrial consultancy activities	More number of consultancy and revenue through consultancy is improved
ERP for CO, PO attainment calculation	Various vendors are considered and the purchase of new software which is common for all administrative activities is in pipe-line.
Organize refresher training programmes on OBE	Orientation and OBE awareness program for newly joined faculty was done.
<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name of the statutory body	Date of meeting(s)
Academic Council Meeting	20/05/2023
<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Year</li> </ul>	
Year	Date of Submission
2022-2023	14/03/2024
<b>15. Multidisciplinary / interdisciplinary</b>	
Kongu Engineering College, one of the foremost multi professional research-led Institutions is internationally a recognized leader	

in professional and career-oriented education. It provides an integral, inter-disciplinary education - a unique intersection between theory and practice, passion and reason. The College offers courses of study that are on the frontiers of knowledge and it connects the theoretical and practical dimensions of intellectual life, in a stimulating environment that fosters rigorous scholarship and supportive community. The college offers undergraduate and postgraduate courses under technical, science, and management disciplines like B.Tech, B.Sc., M.Tech and MBA.

The Institute follows Outcome Based Education (OBE) and the courses are categorized as follows:

i. Humanities and Social Sciences (HS) including Management Courses

ii. Basic Science (BS) Courses

iii. Engineering Science (ES) Courses

iv. Professional Core (PC) Courses

v. Professional Elective (PE) Courses

vi. Open Elective (OE) Courses includes inter-disciplinary courses among various disciplines

vii. Employability Enhancement Courses (EC) like Project work, Professional Skills/Industrial Training, Comprehensive Test & Viva, Entrepreneurships/Start ups and Internship in Industry or elsewhere

viii. Audit Courses (AC)

ix. Mandatory Courses (MC) like Induction Training Program and Environmental Science.

x. Honours Degree Courses (HC)

The institute established different Cell/Clubs in order to develop the multidisciplinary projects and research works at student's level, thereby establishing a learner centric model approach. To delineate flexible and innovative curricula the institute offers Environmental science in I Year, Universal human values in II year and Skill based training to face placement drives in III year.

**16.Academic bank of credits (ABC):**

Academic Bank Credits (ABC) will digitally store the academic credits earned by the students from Higher Educational Institutions. To fulfill the requirements of ABC, details of the students and their academic documents are collected and kept ready for uploading in the digilocker/ABC login. Also the benefits of implementing ABC will be communicated to the students. Kongu Engineering College has registered under Digilocker/ABC. The details are given below:

NAD ID: NAD012880

Institution Title: Kongu Engineering College

Institution Address:

Perundurai Railway Station Road, Thoppupalayam, Perundurai,  
Erode-638060

Email Address: [coe@kongu.ac.in](mailto:coe@kongu.ac.in)

Registered Phone Number: 9842939403

Registered Aadhar No.: 805290871809

Registered Name: Shanmugam P

Input on Curriculum and Syllabus from faculty members are collected and discussed in the internal Board of Studies (BoS) meeting, which is attended by all members of faculty with minimum five years of experience. Draft Curriculum is framed in the internal BoS meeting with domain experts. This draft curriculum is reviewed by the Programme Assessment Committee (PAC) and subsequently are finalized in the BS meeting. The recommended Curriculum and syllabus is approved in the academic council meeting. In all the three levels of meeting faculties are encouraged to play an active role.

To implement ABC, the institute has already registered in the portal. Admin role allotted in the institute login to upload the student's credit details. Institute admin browse through [www.abc.gov.in](http://www.abc.gov.in) and get familiarized with the details of uploading in the portal. In the institute login, verification of the account is pending from DigiLocke/ Academic Bank Credits end. Only after the verification process, it will be possible to

upload the student's details and relevant documents. The mail regarding the "Verification of the account pending" was communicated to nad.support@digitalindia.gov.in for which the reply is yet to be received.

### 17.Skill development:

Kongu Engineering College strives to provide holistic development for the students by offering value-based quality multi-disciplinary education.

- In order to prepare the students towards industry revolution 4.0, computer programming knowledge, coding skills, skills on design tools, IoT and Artificial Intelligence are provided to all the students.
- Practice based teaching, learning and evaluation methods with software tools are followed to enhance the skills.
- Courses on Value Education / Yoga and Values for Holistic Development and Professional Ethics and Human Values / Universal Human Values are included in the curriculum to ensure the value-based education.
- Faculty members of KEC have been trained through AICTE - FDPs on Universal Human Values
- Specific students-centric clubs such as NSS, NCC, Yoga and Meditation Club, Cultural Club etc. provide active forums to develop ethical and human values. In addition, helping children of orphanages is one of the activities through which students directly practice the learnt values.
- To enhance the multidisciplinary skills, 15% to 25% of the curriculums of various programmes consist of Professional Electives and 3 to 4 Open Elective courses that include foreign language courses such as Japanese/German/ French/ Spanish, NCC, and Online courses from NPTEL, SWAYAM etc.
- One/Two credit courses with industry experts are provided to bridge the gap between the industry and academic institution.
- Professional Skill Training Phase-I and Phase-II with minimum 80 hours each and 2 credits each are provided to all UG programmes.
- To enhance the practical knowledge, students are encouraged to complete 2 or 3 projects as part of the curriculum.
- Students are provided with the flexibility of taking additional courses in the early semesters and earn more credits under the scheme titled "Fast-track". Such students, in the final year, are permitted to undergo one year/one semester full time internship.

- Four Credits can be earned by the students' start-ups/ entrepreneurial activities.
- In order to improve the coding skills, a coding platform has been formulated and actively functioning which conducts a minimum one contest per month.
- Training in soft skills, analytical, logical reasoning and verbal reasoning for about 300 hrs are provided.

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

Kongu Engineering College located in a rural area admits students from rural background and mostly from local tamil medium schools. In curriculum, a course on 'Arivial Tamil' is introduced during the first year Engineering from the academic year 2022-23. To promote their skills in different cultures it operates a student club called cultural and music club where students act as office bearers and mentored by faculty coordinators. Round the year activities are conducted as per the plan. Every year, a two-day intercollegiate event called "SKETCH" and a two-day intramural event titled "ENTHUSIA" are held where various performances showcasing Indian culture are staged. In total 25 clubs are actively functioning in Kongu Engineering College to promote such activities. 'Tamil Mandram' is one such club to nurture the local language among youths by conducting oratorical and traditional events bringing experts from various institutions and firms.

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

Academics has always been the major focal point in Kongu Engineering College (KEC) since its inception in 1984. Well defined academic policies, expert sessions by industry experts and senior academicians, use of ICT to ensure effective delivery of quality teaching and knowledge dissemination are a hallmark of KEC. The National Board of Accreditation (NBA), a body for promoting international quality standards for technical education in India has started accrediting only the programmes running with Outcome Based Education (OBE) from 2013. The motivation for implementing OBE at KEC is to transform a skilled graduate to a competent graduate. The transition of OBE at KEC involved three groups. OBE from the Core team has been transformed to select faculty members across each department called Transformational Agents (TAs). Each faculty transferred their learning experience on OBE to their department colleagues to impart the same to the learners. Each faculty in turn transformed the same to the learners in the classroom in various forms. OBE from the Core

Team was delivered over the course of a four-phase residential session. The workshop was carefully designed to impart the necessity of OBE. The first phase insisted on the importance of the Outcome Based Learning Teaching (OBLT) and certain activities were performed to make them understand the importance of OBE and its benefits. The second phase concentrated on the details of imparting the knowledge on Outcome Based Curriculum design (OBCD) and Outcome Based Assessment and Evaluation (OBAE) for effective implementation of the OBE at the campus. With these acquired knowledge and experiences, TAs conducted sessions for the faculty and transferred the knowledge. Every year, newly joined faculties are given orientation programs in which the faculty members are given awareness about OBE.

## 20.Distance education/online education:

At present we encourage Faculty and Students to register courses in NPTEL, Coursera, Future skills by NASSCOM, Digital skills by AICTE, AWS, Microsoft AZUR and many other online courses. Recently the Tamilnadu Government launched a scheme called Naan Mudhalvan. Through this scheme many courses are offered in the emerging area and skills required for students to get placement in reputed companies or become an entrepreneur. Students are encouraged to enroll the courses by means of credit transfer in VII and VIII semester.

In addition to Naan Mudhalvan scheme, Nalaiya Thiran professional training for innovation, employability and entrepreneurship are being implemented under blended mode of teaching and learning to provide experiential based learning. This experiential based learning is provided for all the final year students of CSE, IT & ECE. This course is being organized in collaboration by Anna University, Chennai, IBM, ICT Academy and Government of Tamilnadu.

## Extended Profile

### 1.Programme

1.1

26

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 2.Student

2.1 7845

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 2067

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3 7751

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

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

**3.Academic**3.1 1669

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2 570

Number of full-time teachers during the year:



## Extended Profile

### 1. Programme

1.1 26

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 2. Student

2.1 7845

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 2067

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3 7751

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

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 3. Academic

3.1 1669

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2 570

Number of full-time teachers during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	<a href="#">View File</a>	
3.3	<b>570</b>	
Number of sanctioned posts for the year:		
<b>4.Institution</b>		
4.1	<b>914</b>	
Number of seats earmarked for reserved categories as per GOI/State Government during the year:		
4.2	<b>198</b>	
Total number of Classrooms and Seminar halls		
4.3	<b>3590</b>	
Total number of computers on campus for academic purposes		
4.4	<b>3802.04</b>	
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.

The local, national, regional and global developmental needs are clearly reflected in POs, PSOs and COs of all the programmes. Courses offered under various categories, namely Humanities and Social Science, Basic Science, Engineering Science, Professional Core, Professional Elective, Open Elective Courses and Employability Enhancement Courses, provide holistic and multidisciplinary education. Courses on Value Education / Yoga and Values for Holistic Development and Professional Ethics and Human Values / Universal Human Values ensure value-based

education. To enhance the multidisciplinary skills, 15% to 25% of the curriculums of various programmes consist of Professional Electives and Open Elective courses, including foreign language courses such as Japanese / German / Spanish / French and online courses on NPTEL, SWAYAM etc.

To impart knowledge about the literature, paintings, sculptures, folk arts, heroic games, doctrines, Indian culture and related technologies, the relevant courses in regional language such as Heritage of Tamils and Tamils and Technology are introduced under Regulations 2022.

To showcase the practical knowledge gained, students are made to complete 2 or 3 projects as part of the curriculum. Projects address the issues of the local/ national/ global community and such projects have been converted to products. A few of them have also been patented.

Research work associated with the projects has been published in indexed journals. In regulation R2020 / R2022, 4 credits are provided for students' Start-ups entrepreneurial activities. BE/BTech Honours degrees are offered to the students in emerging areas listed by AICTE.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://academic.kongu.edu/2022/">https://academic.kongu.edu/2022/</a>

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

26

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

1507

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

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

146

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

32

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 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

**Gender Equality:** A course on Professional Ethics and Human Values [PEHV] / Universal Human Values [UHV] has been included in the curriculum in which gender equality is taught to all UG students. In KEC, boys and girls are treated equally in all respect, be it curricular or co-curricular activities.

**Environment & Sustainability :** In order to inculcate the importance of environment and sustainability, courses such as Air Pollution Management, Environmental Impact Assessment, Renewable Energy Sources, Energy Auditing and Energy Management, Green Computing, Wastewater Treatment, Energy Management in Process Industries, Industrial Wastewater Treatment, Bio Energy Conservation Technologies and Environmental Studies are offered as open elective courses to all students in the curriculum. A course on Environmental Science is provided as a mandatory course for all UG programmes.

**Human Values and Professional Ethics:** To ensure holistic development and value based education, courses on Value Education and Professional Ethics and Human Values / Universal Human Values have been included in curriculum. 106 faculty members of KEC have been trained through AICTE-FDPs on Universal Human Values. As mentioned in the Vision and Mission statement of the institution, value-based holistic education is an important objective of the institution.

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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

71

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.3 - Number of students enrolled in the courses under 1.3.2 above****3159**

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.4 - Number of students undertaking field work/projects/ internships / student projects****3761**

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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	<a href="https://academic.kongu.edu/feedback/">https://academic.kongu.edu/feedback/</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://academic.kongu.edu/feedback/">https://academic.kongu.edu/feedback/</a>
Any additional information	<a href="#">View File</a>

## 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

**2181**

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

##### 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)

**880**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

### 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.

**Response:** The institution periodically assesses the students' performance through continuous assessment tests, assignments, tutorials, other assessment and end semester examination. Based on their performance, slow and advanced learners are identified and the programmes are planned to fulfill their needs.

**Programmes for Advanced Learners:** Advanced learners are further excelled by encouraging them to do value-added courses and NPTEL/SWAYAM online courses, and motivated to prepare for competitive examinations like GATE, CAT, UPSC, GRE, TOFEL, IELTS etc., to achieve their career interest. Other language coaching classes are also offered to them to learn Hindi and foreign languages like Japanese and German. Students with good academic records are allowed to do Eighth semester courses in fast track mode or course exemption through acceleration scheme, in order to carryout full-time internship/industrial projects in various reputed industries/institutions.

**Programmes for Slow Learners:** Additional inputs are given to slow learners by conducting remedial classes and open book tests. Mentoring System is in practice to resolve the difficulties faced by them in academic and personal, and to clarify their doubts. They are regularly monitored and counseled by the mentors. In addition, arrear coaching classes are also conducted for the existing students who need more attention to clear their arrears.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://naac.kongu.edu/aqar/2022_23/cr2_2_1/">https://naac.kongu.edu/aqar/2022_23/cr2_2_1/</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
02/05/2023	7845	570

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 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:

#### Experiential Learning:



- Apart from the regular laboratory sessions, mini projects in theory courses enable the students to develop working models demonstrating the skills of learning.
- Industrial visits are regularly arranged to enhance the practical knowledge of the students.

**Participative Learning:**

- Students at KEC showcase their self-learning capability by taking one credit courses, value added courses, Swayam/NPTEL courses and competitive examinations. Students have successfully completed the NPTEL courses with many Silver and ELITE certification.
- Innovative and Activity based teaching-learning methods followed at KEC: Model-based, Interactive Session, Jig Saw, Role Play, Video based, Story Board, Demonstration and Think Pair Share enable the students to shift from competitive to competent environment

**Problem Solving Methodologies:**

- Objective type questions in higher level of thinking are given as tutorial / other assessment to focus on critical thinking.
- Real time assignments and case studies enable the students to provide the solutions for real world problems.
- Simulation tools and Virtual labs are effectively used to provide hands on experience to students in analytical/Problem Solving approaches

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://naac.kongu.edu/aqar/2022_23/cr2_3_1/">https://naac.kongu.edu/aqar/2022_23/cr2_3_1/</a>

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

The members of faculty of KEC, make use of Information &

Communication Technology (ICT) enabled tools (including online resources) for teaching learning process.

- Classrooms are furnished with LCD projectors to facilitate technical presentations (seminars /workshops) and telecast educational videos.
- Laboratories, Seminar Halls, Auditorium, Senate conference Room and other conference rooms are equipped with ICT tools and enabled Wi-Fi 24x7.
- Computer laboratories with high speed internet connection are available for research paper presentation, seminars, debates, group discussions, assignments, quiz / tests / viva and laboratory work
- ORELL Digital Language software is installed for enhancing communication skills
- Google classrooms are used to post course contents, conduct quizzes, maintain lab records and assignments
- Online drawing tools like concept maps and mind maps are used for student centric activities
- Smart classroom is available as additional learning resource to create video lectures and uploading the same for knowledge sharing among the students
- Digital and Jam boards are utilized to conduct online classes for mathematics and problem-oriented courses
- Online e-resources like National Programme on Technology Enhanced Learning (NPTEL) and you tube lectures are exploited for effective teaching-learning process
- Advanced Digital Library is highly active

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://kongu.ac.in/igac_student_survey.php">https://kongu.ac.in/igac_student_survey.php</a>
Upload any additional information	<a href="#">View File</a>

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

**2.3.3.1 - Number of mentors**

570

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

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

##### Academic Calendar and Teaching plans by the institution

The college adheres to academic calendar provided by the Controller of Examinations (CoE) office for Conduction of continuous internal evaluation system. The CoE Office is responsible for the announcement of academic schedule, preparation of question papers, conduct of examinations, evaluation of answer scripts and declaration of results and issuing of grade sheets. Every academic year, students take up End Semester Examinations (ESE) in November and April. The Controller of Examination also ensures a smooth functioning of the Continuous Assessment Tests (CATs).

Academic plan issued by CoE includes the dates of commencement and closure of classes, schedules of internal exams end semester examination, tentative dates for practical exams, viva-voce and theory examinations. The teacher uses the academic plan for preparing course plans and follows the guidelines issued by CoE. The schedule of external examination will be fixed by the CoE and displayed on common / departments notice board and posted in CoE web portal (<http://coe.kongu.edu/>) for easy access. After the assessment of answer scripts, the scripts were distributed to the students for clarifying their doubts.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

#### 2.4 - Teacher Profile and Quality

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

570

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
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

249

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	<a href="#">View File</a>
Any additional information	No File Uploaded

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

6010

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

48

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

369

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

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

All the examination and evaluation process are carried out with the help of in-house developed software.

Processes integrating IT:

1. An exclusive web server in demilitarized zone with firewall security
2. Authorized access by the Controller of Examinations to the web portal
3. Data storage and uninterrupted power supply backup
4. Student's daily attendance and Marks for Continuous Assessment test are entered using an automation system
5. Previous question papers as archives, examination schedule and ESE results are published in the website for easy access
6. Photo copier machine interfaced with computer

7. A3 & A4 size Colour Printer for printing the Grade Sheets
8. Student's verification is done through online and digital mode.
9. Online transcript system is implemented for the passed out students.
10. Online selection of elective courses across all BE/BTech branches is implemented in students web portal.
11. A mobile app "Clocktos" is implemented for managing students attendance of all programmes.
12. Recent regulations, curriculum and syllabi are made available in our college website at <http://academic.kongu.edu>

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://academic.kongu.edu/">https://academic.kongu.edu/</a>

## 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

The institution implements "Outcome-Based Education" in accordance with the guidelines set by the National Board of Accreditation (NBA). This approach entails defining 12 Program Outcomes (POs) outlined by the NBA, along with crafting 2 to 4 Program-Specific Outcomes (PSOs) for each program. The curriculum is meticulously designed to achieve these defined POs and PSOs.

Moreover, Course Outcomes (COs) are formulated for all courses, with 5 or 6 COs for theory courses, a minimum of 3 COs for practical courses, 7 COs for theory cum practical courses, and 5 COs for project works. These COs are mapped to appropriate levels of Knowledge, Skill, and Attitude domains (KSA) according to Bloom's Taxonomy. Subsequently, they are aligned with the relevant POs on a 3-point scale, signifying their significance.

The COs undergo approval by the Board of Studies and are communicated to students at the onset of each unit by the course faculty. Furthermore, they are integrated into continuous assessment tests and end-semester examination question papers, alongside their corresponding knowledge levels.

The POs, PSOs, and COs are transparently published on the college website and in the syllabus book. The dissemination of this information to stakeholders such as faculty, students, alumni, parents, and employers is facilitated through various channels:

1. Display on the College Website.
2. Distribution of Course Plans to students at the beginning of each semester, outlining POs, PSOs, and COs.
3. Discussion during the Induction Programme.
4. Placement in prominent locations within departments, including the HOD Room, Classrooms, Laboratories, Display Boards, Faculty Cabins, Seminar Hall, and the College Calendar.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://academic.kongu.edu/">https://academic.kongu.edu/</a>

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

Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) are assessed directly and indirectly.

Direct assessment:

Courses offered

Evaluation tools

Frequency of evaluation

Theory courses

Cumulative Internal Assessment (CIA)

Continuous assessment test (CAT)

Three per semester

Assignments

One/two per semester

Seminar/tutorial/quiz/practical oriented assessment/mini project etc.

One per semester

Semester End Examination (SEE)

End semester examination

One per semester

Laboratory courses

Continuous assessment (CA)

Continuous for each experiment

Model examination

One per semester

Design project and project work

Continuous assessment through reviews and report

Periodic reviews and final viva at the end of semester

Value added courses/ one credit courses

Assessment test

One per semester

Various tools and frequencies are used, with COs evaluated based on set knowledge levels.



The overall CO attainment includes both CIA and SEE:

Overall COs (Theory) = 0.4 CIA + 0.6 SEE

For labs:

Overall COs (Practical) = 0.75CA + 0.25Model Exam

POs and PSOs are assessed per course:

PO & PSO attainment = (Overall COx Attainment) \* (Mapping value of PO/PSO for CO x)

Indirect assessment:

Utilizes survey results and other activities to gauge PO attainment.

Overall POs and PSOs Attainment:

Combines 80% direct and 20% indirect assessments.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://academic.kongu.edu/">https://academic.kongu.edu/</a>

### 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

2009

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://naac.kongu.edu/aqar/2022_23/cr2_6_3_1_COE_Report.pdf">https://naac.kongu.edu/aqar/2022_23/cr2_6_3_1_COE_Report.pdf</a>

## 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://kongu.ac.in/igac\\_student\\_survey.php](https://kongu.ac.in/igac_student_survey.php)

## 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

The Research and Development (R&D) activities at Kongu Engineering College are accomplished by young, energetic and experienced faculty members. All the faculty members are motivated to do research along with their academics.

#### Objectives:

- To acquire new scientific knowledge
- To design novel methodologies in all fields of Engineering and Technology
- To develop new tools and techniques to expedite problem solving with special emphasis on rural and socially relevant issues

The faculty members are encouraged to apply proposals to various funding agencies for research project and to conduct programs. Financial support is provided to faculty members for attending/presenting papers in National/International Conferences. Ithenticate plagiarism software packages are utilized for checking plagiarism before submitting proposals to funding agencies and manuscripts to journals. Apart from funding

agencies, the Institution also provides SEED money to potential faculty members to carry out internal projects and encourage them in their research activities. Collaborative research is also encouraged with other higher education institutions in India and abroad.

The financial assistance is being provided to faculty/students for filing of patents/other IPR related activities/Journals.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://rnd.kongu.edu/research_policy.php">https://rnd.kongu.edu/research_policy.php</a>
Any additional information	<a href="#">View File</a>

### 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)

14.69

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

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

4

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
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)

206.93

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.2.2 - Number of teachers having research projects during the year

27

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://naac.kongu.edu/aqar/2022_23/cr3_2_2_proof_R&amp;D_projects.pdf">https://naac.kongu.edu/aqar/2022_23/cr3_2_2_proof_R&amp;D_projects.pdf</a>
List of research projects during the year	<a href="#">View File</a>

#### 3.2.3 - Number of teachers recognised as research guides

161

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

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

13

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://rnd.kongu.edu/funding_agency.php">https://rnd.kongu.edu/funding_agency.php</a>
Any additional information	<a href="#">View File</a>

### 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.

Institution's Innovation Council (IIC)@KEC has created an ecosystem for supporting young minds toward innovation and entrepreneurship. It provides assistance for successful start-ups of faculty and students. They are encouraged to convert innovative ideas into working prototypes.

Entrepreneurship and Management Development Centre (EMDC)@KEC launched in 2003 also promotes entrepreneurship via organizing Sponsored Entrepreneurship Awareness Programme, Start-up Mania, Workshops etc.

The Technology Business Incubator, (TBI@KEC), formally inaugurated in 2004, as a joint initiative by KEC with support of National Science and Technology Entrepreneurship Development Board, DST, Govt. of India at cost of Rs.3.95 crore. It promotes innovation and entrepreneurship in cutting edge technology areas. The DST under NIDHI-PRAYAS scheme sanctioned Rs.7 Crore to TBI@KEC. TBI has established NIDHI PRAYAS Shala - Rapid Prototyping lab at cost of Rs.1 Crore. 10 Products have been

developed and 28 Incubatees have been provided financial support (soft loan/ grant) of Rs.1.52 Cr in total. Totally 3 patents have been granted and 8 Awards were won by Incubatees.

The institution has created an excellent and well-balanced ecosystem for innovation, creation and transfer of knowledge supported by IIC, EMDC and TBI

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://kongu.ac.in/ief.php">https://kongu.ac.in/ief.php</a>

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

66

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

49

File Description	Documents
URL to the research page on HEI website	<a href="https://rnd.kongu.edu/">https://rnd.kongu.edu/</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

1.57

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

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

1.45

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://rnd.kongu.edu/books.php">https://rnd.kongu.edu/books.php</a>

### 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

2107

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 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

33

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.5 - Consultancy

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

71.72



File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
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

To spruce our students with social responsibility, we encourage them to serve the nearby community living around our campus. Our college has 3 NSS units with 600 active student members. In addition, the institute comprises a vibrant NCC with strength of 104(Army wing) and 50(Air wing). The institute also has many clubs and cells which provide extension activities in the neighborhood community. Some of the significant social activities conducted for the benefit of nearby communities are:

1. Tree Planting Activity was conducted as awareness about tree

planting on World Environment day.

2. Quiz competition was conducted on Environmental day and Yoga day to create awareness on Yoga.

3. Cadets of KEC NCC composed Jingle for the International Yoga Day (2021), Jingle Composition Competition.

4. Pledge on Integrate and Encourage Yoga through Life.

5. Poster creation Competition.

6. Drawing Competition on Yoga day.

7. Commemoration on 22nd Anniversary of Kargil Vijay Diwas.

8. A Guest Lecture was given by Wing Commander K. Jayandan on the topic of "Career in Indian Air force for engineering graduates".

9. 75th Independence Day was organized with Flag hosting and special drill performance by cadets.

10. Pledge on Fit India Freedom run

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://naac.kongu.edu/aqar/2022_23/cr3_6_1_Additional.pdf">https://naac.kongu.edu/aqar/2022_23/cr3_6_1_Additional.pdf</a>

### 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

12

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
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)**

79

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

5726

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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**

1059

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
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)**

49

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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.

KEC has the state-of-the-art pertaining to teaching-learning process.

- All the classrooms have Wi-Fi connectivity and most of the classrooms have LCD Projectors.
- Each Department has Seminar Hall for conducting Department level programs. Totally 16 Seminar Halls are available. Maharaja auditorium with a seating capacity of 630 is available.
- In order to conduct College level programs, 'Kongu Convention Centre' with a seating Capacity of 4500 is available.
- Each Department has well-equipped laboratory facilities over and above the mandatory requirements as per the curriculum.
- Central Library, with adequate number of titles and volumes of text and reference books, is available for students and faculty members. Apart from Central Library, each department has Department Library.
- Totally 3590 computer systems, connected to internet through a leased line with a bandwidth of 1.5Gbps with Fortinet firewall 1100E, QNAP Backup storage service, 525 CCTV Cameras, are available in the campus.
- In order to support ICT based teaching-learning process, each building, including hostels, has Wi-Fi facility. The number of Wi-Fi access points available in the campus is 496.

• Study materials and online video lectures are posted in the Google Classroom for each subject for improving the teaching-learning process.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://kongu.ac.in/pages/ug.php">https://kongu.ac.in/pages/ug.php</a>

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

KEC gives utmost importance to instill the spirit of sportsmanship in technical students, to help them learn discipline, leadership quality, team work and also encourage them to participate in Sports & Games, in order to lead a healthy life. The institute has more than adequate infrastructure for such activities.

#### Indoor Facilities

There is a multipurpose Indoor Stadium housing 3 Badminton Courts, one Volleyball Court and 6 Table Tennis Boards. An Indoor Gallery with 250 seating capacity is available.

#### Outdoor Facilities

Total area of play field - 8 acres. Following Outdoor Sports and Games facilities are available.

1. Athletic Track - 400 MTS 01
2. Ball Badminton with Flood Light 01
3. Basketball Court with Flood Light 03
4. Cricket Field 01
5. Cricket Nets (Concrete) 02
6. Football Field 01
7. Hockey Field 01
8. Handball Court 01
9. Kho - Kho court 01
10. Kabaddi Court with Flood Light 01
11. Obstacle Race 01
12. Tennikoit court 03
13. Tennis Clay Court with Flood Light 02
14. Tennis Wall Practice 01

**15. Volleyball Court with Flood Light 03****Other Sports and Fitness Facilities**

- Acupressure Walk Way
- Parallel Bars
- Horizontal Bar
- Roman Ring
- Rope Climbing

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://kongu.ac.in/facilities/sports.php">https://kongu.ac.in/facilities/sports.php</a>

**4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities****198**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

**4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)****1154.68**

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**4.2 - Library as a Learning Resource**

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

Library is automated using Integrated Library Management System (KOHA-RFID) software available since 2022. Koha is free software and database has been used in mysql.

**Book Entry**

The various details of the books like Accession number, Title, Authors etc are added to ILMS Database. In addition, back volumes, Projects, Thesis reports and CDs, DVDs details also entered.

**Number of Books Issued**

First year UG Students can borrow 4 books per semester; other UG and PG Students can borrow 6 books. The Students can retain the books for one month. Faculty, Research Scholars, Non-Teaching staffs can avail 6, 6 and 2 books respectively.

**Self Issue & Return**

Books are self issued & returned through computerized KOHA with RFID ID card and Biometric process.

**WEB OPAC**

The users can search the books through the website Online Public Access Catalogue.

**Digital Library**

7620 digital copies of sources like GRE, GMAT are available. 535 Audio and Video Cassettes are available in the department Libraries. It provides Online Electronic Database like IEEE, ASME, SPRINGER, ELSEVIER, ASCE etc. All e-journals and e-books purchased

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://kongu.ac.in/facilities/library.php">https://kongu.ac.in/facilities/library.php</a>

<b>4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources</b>	<b>A. Any 4 or more of the above</b>
---	--------------------------------------

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>

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

**72.7**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### **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**

**1115**

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

#### **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

##### **Internet, Networking and Surveillance Facilities**

**An uncompressed bandwidth of Leased Line Internet Connection**



upgraded to 1 Gbps bandwidth at the cost of Rs.30,77,517/- is provided for all the computers available inside the campus. These are connected through 1Gbps LANOFC connections with TCP/IP backbone. Networking distribution switches were upgraded at the cost of Rs.59,90,819. To increase surveillance area of the campus additionally 47 cameras with dedicated storage along with NVR were installed at the cost of Rs. 6,77,271/-. Symantec endpoint protection was renewed at the cost of Rs.2,32,106/-.

Totally 3590 computer systems, connected to internet through a leased line with a bandwidth of 1.5Gbps with Fortinet Firewall1100E, QNAP Backup storage service, 525 CCTV Cameras, are available in the campus. In order to support ICT based teaching-learning process, each building, including hostels, has Wi-Fi facility. The number of Wi-Fi access points available in the campus is 496.

#### Software Up-gradation

College has Microsoft campus agreement which was renewed for the year 2022,2023 at the cost of Rs.9,06,134/- to enable the students to work and develop projects using Microsoft related tools and technologies. MATLAB campus suite was purchased in the year 2022 and renewed in the year 2023 at the total cost of Rs.32,07,830/.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://naac.kongu.edu/aqar/2022_23/cr4_3_1_IT_Infrastructure.pdf">https://naac.kongu.edu/aqar/2022_23/cr4_3_1_IT_Infrastructure.pdf</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
7845	3590

File Description	Documents
Upload any additional information	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution and the number of students

A. 750 Mbps

on campus	
File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded
<b>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</b>	A. All four of the above
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://kongu.ac.in/igac.php#">https://kongu.ac.in/igac.php#</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>
<b>4.4 - Maintenance of Campus Infrastructure</b>	
<b>4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)</b>	
1154.68	
File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
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.	
<ul style="list-style-type: none"> <li>Adequate in-house staff is employed to maintain hygiene, cleanliness and infrastructure on the campus to provide a congenial learning environment. Classrooms, Staff rooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by Non-teaching staff assigned for</li> </ul>	

each floor. Wash rooms and rest rooms are cleanly maintained. Master Dustbins are placed in every floor in addition to waste bin in each class rooms. The Green Cover of the campus is well maintained by a full-time gardener.

- Chief civil engineer and Chief electrical engineer and their teams are involved in the maintenance of infrastructure facilities. These teams look after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and housekeeping.
- Building-wise engineers have been assigned to all construction work, and they are responsible for all civil works, plumbing, water supply, furniture, electrification, and other maintenance activities. A web portal maintained by Kongu ERP team is available to register and monitor the maintenance activities
- link to the relevant document:  
<https://kms.kongu.edu/maintenance/login.php>
- Tracking mechanism is available to view the job status.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://naac.kongu.edu/aqar/2022_23/cr4_4_2_Maintanance.pdf">https://naac.kongu.edu/aqar/2022_23/cr4_4_2_Maintanance.pdf</a>

## 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

3878

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

606

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**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	<a href="https://kongu.ac.in/placement.php">https://kongu.ac.in/placement.php</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

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

1923

File Description	Documents
Any additional information	<b>No File Uploaded</b>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**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**

**A. All of the above**

**submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**5.2 - Student Progression**

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

**1426**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**5.2.2 - Number of outgoing students progressing to higher education**

**86**

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**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**

48

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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**

60

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

The institution has an active Student Council that functions with the prime aim of improving and enhancing the standard of the learning environment in the campus. The functions of the council are to address the grievances of the students, consider the suggestions of the students and plan for further improvement. The council comprises of male and female students from each department and two male and two female students from the first year BE / B.Tech Programmes. The council meets once in a semester. The minutes are recorded and actions are taken on the points discussed.

The college also has a separate committee for the hostel students with student members from both boys' and girls' hostels to take care of the general activities of the inmates, monitor the mess proceedings and maintain the basic amenities in the hostels. Various Students' Forums / Clubs / Cells function in the College through which the students enthusiastically take part in different activities. The students conduct seminars, career guidance and quality improvement programs throughout the year by inviting resource experts from industries and other institutions. Industrial visits to various industries are also

arranged by the students as a part of their curricular activities.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

6

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
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

KEC Alumni Association is a Registered Society. The first batch of Kongu Engineering College Alumni bloomed in April 1988. KEC Alumni Association was formally inaugurated on 8th February 1997. The visions of the Alumni Association are: to act as a bridge between the students, management, faculty and alumni of Kongu Engineering College for mutual benefit and synergy; to build a better interaction through application of strengths and resources of alumni, student and faculty to improve the quality of society and to actively work for the relationship of the alumni for their career growth.

In addition, KEC parent chapter has also been formed in the college with an advisor and representatives from each department. There are 4 local chapters and 3 global chapters functioning at Erode, Chennai, Bangalore, Coimbatore, North America, UK and South East Asia. The Alumni engage themselves in contributing to the college through various activities like delivering guest lectures, acting as chief guest for various events at the college, mentoring junior students and acting as

Board of Studies members and expert members apart from providing industrial and placement linkages. The alumni association organises Silver Jubilee Meet, Decade Meets and reunion meetings every year.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://alumni.kongu.edu/">https://alumni.kongu.edu/</a>

**5.4.2 - Alumni's financial contribution during the year**

E. <2 Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## 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

#### Vision of the College:

To be a centre of excellence for development and dissemination of knowledge in Applied Sciences, Technology, Engineering and Management for the Nation and beyond.

#### Mission of the College:

We are committed to value-based Education, Research and Consultancy in Engineering and Management and to bring out technically competent, ethically strong and quality professionals to keep our Nation ahead in the competitive knowledge intensive world

#### Nature of Governance:

- The Institute follows the guidelines from UGC, AICTE and Anna University and aims for continuous improvement through the implementations of ISO 9001 and IQAC norms and participating in NBA, NAAC, NIRF, ARIIA, etc.
- A Governing Council has been formulated with members from



The Management, nominees from AICTE, UGC, DOTE, State Govt., Industry, External and Internal faculty members and convened by the Principal.

- Development of various policy decisions are done through Academic Council and are percolated to departments through Board of Studies, CCO's & HOD's meetings and Department Meetings.
- Implementation of National Education Policy (NEP) and National Innovation and startup Policy (NISP) within the institute.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://kongu.ac.in/pages/vmq.php">https://kongu.ac.in/pages/vmq.php</a>

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

**Decentralization:**

- Effective decentralization of responsibilities is enforced within the campus. All the activities within the campus are categorized as Academic, Planning, Programme Implementation & Ranking, Industry relations, R&D, Student Affairs, Accreditation, Placement Training, Science & Humanities, Public Relations and Alumni
- For instance, all the cells, clubs and professional bodies of our institution comes under the head of Student Affairs (<https://kongu.ac.in/student.php>)

**Participative Management:**

- Participative management is encouraged by including faculty members in statutory bodies such as the Governing Council, Academic Council, Finance Committee, Board of Studies, Disciplinary Committee, Anti Ragging Committee, and other Institutional level committees.
- Course monitoring committees are formed at the department levels to monitor the teaching-learning process and also to fine-tune the activities. Strategies to improve teaching teaching-learning process and the academic environment are discussed.
- In the Students' council, representatives from all

departments take part. For each semester a meeting is convened by the Principal to discuss the general issues relating to academics, placement, co-curricular activities, infrastructure facilities, etc.

- In Department-level Student Associations, a number of co-curricular activities are planned and executed. Several Clubs with Student-centric activities are functioning in the college.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://kongu.ac.in/">https://kongu.ac.in/</a>

## 6.2 - Strategy Development and Deployment

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

Taking into account the path traveled (History of the institution, Growth Pattern, Present Status), a detailed SWOT Analysis was done. Based on the analysis and deliberations, a strategic plan (2020-2025) has been devised considering the following aspects:

- Teaching - Learning Process
- Research and Development
- Human Resource Planning and Development
- Industry Interaction
- Community Engagement Internationalization

A system of monitoring and midcourse correction is also envisaged.

The accomplishment of those plans is evident through NIRF Ranking, Publications and R & D projects etc.

A simple case study on Research and Development activities is discussed below:

At present 259 faculty members are Ph.D. holders. The number of publications in Scopus, SCI, SCIE indexed journals are increased

to 3243. On an average 200 papers were published per year before the implementation of strategic plan and now it is increased to 900 per year. Number of sponsored R&D projects is increased from 65 to 84. A sum of Rs. 3272.26 Lakhs was received as grant from various funding agencies. Seed money proposals are sanctioned worth Rs.109,44,000/- for deserving research projects and full time scholars are provided stipend from the Institution.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://kongu.ac.in/docs/KEC_StrategicPlan2020-25.pdf">https://kongu.ac.in/docs/KEC_StrategicPlan2020-25.pdf</a>
Upload any additional information	<a href="#">View File</a>

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.

Kongu Engineering College is a great possession of The Kongu Vellalar Institute of Technology Trust(KVITT). Correspondent interacts with Trust to frame directive principles and policies, amend and approve them from time to time and review the functioning of the college. Trust provides necessary funding to develop, maintain, and improve the quality of infrastructure, faculty, teaching-learning process, and research. Correspondent regularly reports the trust through regular monthly meetings about the regular academic and administrative works that are carried out in the Institution.

The principal is the authority for all academic-related activities and regular administrative functions. He interacts with the Correspondent and raises proposals to provide the necessary resources to achieve the said goals, vision, and mission. He is assisted by The Chief Coordinators (CCOs) and The Head of Departments (HoDs) in implementing the policies and ensuring the achievement of the goals. CCOs assist Principal to execute administrative and policy-based activities related to affiliation, student affairs, planning, R&D, curriculum design, accreditation and ranking of the Institution. Hods are given autonomy in carrying out their academic functions. Different committees, cells and professional societies are actively functioning in the Institution with the participation of faculty members.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://kongu.ac.in/docs/KEC_Organization_Structure.pdf">https://kongu.ac.in/docs/KEC Organization Structure.pdf</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://kongu.ac.in/docs/rules_hr_policy.pdf">https://kongu.ac.in/docs/rules_hr_policy.pdf</a>

### 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	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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

The following are the welfare measures extended to the teaching and non-teaching staff of the Institute:

### Faculty (Teaching Staff)

1. Group Insurance
2. Leave
3. EPF - Applicable to all faculty members
4. Gratuity
5. Sponsorship for Higher Studies - Ph.D. Full Time / Part Time, PDF
6. Sponsorship to attend FDP /Seminar / Paper Presentation / Conference - in India & Abroad
7. Revenue sharing with faculty in Consultancy / Testing

8. Cash incentive for Paper Publications, R&D work
9. Free Lodging facility to Faculty members who are staying in hostels
10. Residential Quarters facility for Faculty
11. Gold coin for Best Faculty award
12. Cash prize for Best Researcher award, Best Placement Co-ordinators, Best IIPC Co-ordinators, Best performing Researcher (R&D Projects)

#### Staff (Non-Teaching)

1. Group Insurance
2. Leave
3. EPF - Applicable to all eligible staff members
4. Gratuity
5. Revenue sharing with staff in consultancy / testing
6. Free Lodging facility to staff members who are staying in hostels
7. Residential Quarters facility for Staff
8. Free Uniform and Shoes
9. ESI - Applicable to all eligible staff members
10. Gold coin for Best supporting staff (Technical, Non-Teaching, Maintenance, Transport)

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://kongu.ac.in/docs/rules_hr_policy.pdf">https://kongu.ac.in/docs/rules_hr_policy.pdf</a>

#### 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

228

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

**6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year**

12

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**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.)**

401

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**6.4 - Financial Management and Resource Mobilization**

## 6.4.1 - Institution conducts internal and external financial audits regularly

Institution conducts internal and external financial audits regularly.

**External Audit**

- Management-appointed External Auditor audits the annual accounts regularly Internal audit.
- The income and expenditure of the institution will be verified by the Registrar and the Principal on daily basis.
- Office Superintendent and Accountant will check cash ledgers on daily basis.
- Internal auditor Mr. C. Velumani appointed by the

Management audits all the financial transactions of the college.

- For the regular maintenance of accounts, the Staff members are also assigned duties.
- The expenses of the college are incurred in accordance with the budget approved by the College Finance Committee every year.
- Books of Accounts maintained in the college are audited annually by External Qualified Chartered Accountants appointed by the Management and the final audited report is discussed in the Annual Meeting of the Management Committee for further actions and suggestions.

#### Audit for Government Funds

The expenses made for the various grants received from Central, State governments and other funding agencies under various schemes including R&D projects and Funding/Sponsored Programmes. These accounts are audited by the Chartered Accountant appointed by the college and relevant Utilization certificate are duly signed by both the Principal and the Chartered Accountant.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://kongu.ac.in/docs/auditreport/AuditReport_%202022-2023.pdf">https://kongu.ac.in/docs/auditreport/AuditReport_%202022-2023.pdf</a>

#### 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)

2.66

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

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

Kongu Engineering College is a great possession of the committed Trust called 'The Kongu Vellalar Institute of Technology Trust' in Erode District, Tamilnadu. The noble trust has taken the institute to greater heights since its inception in 1983 and has established the college as a self-finance college. The mobilization of funds is not an issue, though the college is being managed by a team of 41 philanthropists who are leading industrialists.

The institution is mobilizing funds and using optimum resources of the fund effectively throughout the years. The funds are mainly self-sufficient for the academic and research-related activities of the Institution. The source of income is mainly generated from the students' fees. The fees collected from students are used for many academic development activities of the College. The hostel fee is collected from hostel students and used for operations and maintenance of Hostel.

Apart from these, other sources of fund mobilization is provided in additional information.

KEC has a separate finance committee headed by the Principal, which sanctions the financial budget every year and allocates the funds effectively to the needy. The committee also decides about various Income and Expenditure norms as well as programme approval norms.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://kongu.ac.in/docs/auditreport/AuditReport_%202022-2023.pdf">https://kongu.ac.in/docs/auditreport/AuditReport_%202022-2023.pdf</a>

## 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)

The IQAC is continuously ensuring various quality assurance steps at all levels of the institution functioning as mentioned below:



1. Teaching Learning process - Outcome Based Education (OBE)
2. Institute Innovation Council (IIC)
3. Utilization of ICT Tools
4. Industrial tie-ups
5. Learning Resources
6. Research Publications and Patents

**Example 1:**

**Teaching Learning process - Outcome Based Education (OBE)**

Outcome based education (OBE) system has been implemented to strengthen the learning potential of students. The implementation of Outcome Based Education in the teaching-learning process produced the following benefits in comparison to the traditional teaching-learning process.

- Flexible and holistic curriculum development process with stakeholders' participation
- Significant skill development among the learners
- Learner-centered classroom approach rather than Teacher-centric
- Activity-based curriculum in which the teacher performs and the learner manipulates
- Collaborative and blended learning Emphasis on much-needed soft skills

**Example 2:**

**Institute Innovation Council (IIC)**

The main objective of functioning of IIC includes, conducting various innovative and entrepreneurial activities, Identifying and rewarding new innovations, Organizing regular workshops, seminars, interactions through successful entrepreneurs, investors and offering a mentoring support for student innovators, Conducting project expo among various domain students and Organizing Hackathons, idea competition, startup ideas, mini-challenges etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://kongu.ac.in/igac.php">https://kongu.ac.in/igac.php</a>

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

IQAC has introduced an Online Faculty Appraisal System towards evaluating the performance of all faculty members. Similarly, a student feedback system is also introduced to collect feedback from all the students after completing a particular semester. In addition, IQAC conducts internal and external academic and administrative audits during every academic year.

#### Example 1: Academic and Administrative Audit

The Academic and Administrative Audit were carried out by TUV management Service during 01.03.2023. The audit team concentrated the following parameters in teaching learning processes.

- Programme Structure and Content
- Curriculum Design
- Teaching and Learning Strategy Assessment methods / Student Evaluation Staff Development Activities
- Student Feedback Stakeholders Feedback Stakeholders Satisfaction

#### Example 2: Internal Audit

Internal Audit is carried out at the end of each semester. Last internal audit was carried out during November 2023 towards ensuring the readiness to take up the external audit. The following is the audit findings and sample action taken report by individual departments.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://kongu.ac.in/iqac.php">https://kongu.ac.in/iqac.php</a>

**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,**

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

**national or international agencies (such as ISO Certification)**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://kongu.ac.in/igac/insdist/annual_report_2022_23.pdf">https://kongu.ac.in/igac/insdist/annual_report_2022_23.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**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

- A Gender Equity club details are published in the college website and awareness is created among the students.
- Women Development Cell (WDC) and Gender Equality Club organize Women empowerment lectures, awareness programs and various competitions for motivating the young female students.
- In every class, one girl student is made the class representative. The girl students are encouraged to be top-level executives of various cells and clubs. To promote women leaders, the female faculties are appointed as heads of different departments, cells and clubs.
- Girl students are encouraged to serve the society and the nation by actively participating in NSS and NCC. Their participation in NSS is around 40- 50% and NCC is 30 - 40%.
- To encourage the girl students in curricular, co-curricular as well as extracurricular activities, KEC offers two special awards every year - "Best Outgoing Student (Girl)" and "Best overall Sports Person (Girl)".

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://naac.kongu.edu/aqar/2022_23/cr7_1_1/">https://naac.kongu.edu/aqar/2022_23/cr7_1_1/</a>

**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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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)

#### **Solid Waste**

Campus Solid Waste Management program is implemented to segregate and recycle organic waste, paper, cartons, paper cups, soft drink tins, plastic, pet bottles, e-waste, biowaste, etc. Solid waste is segregated into degradable and non-degradable and handed over to the authorities concerned.

#### **Liquid Waste**

Sewage treatment plant of capacity 1,20,000 liters per day at a cost of Rs 49,50,000 has been established. A screening chamber and an aerator which supplies oxygen in the aeration tank for effective growth of microbes, secondary settling tank to remove the bio flocs and chlorination tank to destroy the pathogenic microbes in the treated effluent are installed in the campus and properly maintained.

The wastewater originating from the bathrooms and toilets were collected by two pipe system, where the one pipe carries wastewater due to batching, washing of clothes, cleaning was collected in one pipe and the other one carries human faces and night soil.

**E Waste**

The E-waste management has been given due focus and all electronic goods are put to optimum use, the minor repairs are done to set right the equipment by the staff and the Laboratory assistants and the major repairs, by the professional technicians, and reused.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

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

<p><b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3.Environment audit</b></li> <li><b>4. Clean and green campus recognitions/awards</b></li> <li><b>5. Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>A. Any 4 or all of the above</b></p>
---	--

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
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).

KEC caters to the inclusive environment with diversity in terms of culture, region, linguistic, communal, socioeconomic and other aspects and is a big promoter of diversified environment in various ways.

#### Cultural diversity

KEC accommodates the culturally diversified students by encouraging the exchange of cross-cultural ideas and celebration of the festivals of different culture. The students from the other states are motivated to participate in the cultural festivals of Tamil Nadu also. The institute is much famously known for discipline and cultured behaviour of the faculty and students as stated by a student from Bihar. "KEC made me more responsible. I am being more disciplined and mannered. Moreover, this college made me treat all equally and show love on everyone."

#### Regional diversity:

Apart from various districts of Tamil Nadu, the institute has got 46 students from the other states of India like Telangana, Andhra Pradesh, Jammu and Kashmir, Bihar, Kerala, Pondicherry, and Karnataka. The students of all regions are provided with equal chances to participate in the co-curricular activities including clubs/cells and extra-curricular activities like sports, cultural events and yoga. The students from different

parts of Tamil Nadu and the country share their region-specific attributes by mingling with the others.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

The values are inculcated through courses in the curriculum namely Value Education, Yoga & Values for Holistic Development, Universal Human Values: Understanding Harmony and Professional Ethics & Human values. In addition, Yoga and meditation club conducts regular programs to make our students to understand the value of being humane. Through NSS, NCC, Roctract club, Self-Development Cell, Youth Red Cross, Energy-Environment club and Consumer Citizen clubs' various programs are organized to make the students to realize their rights, duties and responsibilities. Various programs organized are:

- Environmental awareness programs- planting trees, campus cleaning
- Pasumai vanam - planted trees and created awareness about global warming
- Blood donation camps by NSS and other clubs along with the hospitals
- Aadhar Registration Camp - For the benefit of public

Independence Day, Republic Day and Constitutional Day are celebrated to create awareness among the students about our Constitution, freedom struggle and our nation's history.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The institution has a prescribed code of conduct for students, teachers,**

**A. All of the above**



**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**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

Kongu Engineering College provides outstanding supports towards celebrating national and international commemorative days, events, and festivals. 24 cells and clubs are active in KEC for the benefit of students' community. These clubs and cells join together and celebrate various events; for example, National-level events such as Independence Day, Republic Day, Teacher's Day, Engineers Day, National Unity Day, Armed Forces Flag Day, Swachhata Pakhwada, NSS Day, NCC Day, Eye Donation Week and so on like World Health Day, International Yoga Day, International Women's Day, World Environment Day, Science Day, IPR Day, World Youth Day, and so on. Further, regional festivals like Thai Pongal and Mattu Pongal are also celebrated. KEC contributes huge resources in terms of manpower, money, facilities and material for celebrating above kinds of events.

National events such as Republic day and Independence Day aid to increase the unity among the students, promote the feelings of pride of our own country, which helps to raise the patriotic spirit among young minds. National and international

leaders/scientists' commemorative days are celebrated to acknowledge their contribution towards the nation/society and to make students be aware of their services. Region-specific events are conducted to promote and protect the cultural values among the students.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
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

### 1. TITLE OF THE PRACTICE:

Industry oriented Curriculum Design and Teaching - Learning Process.

### 2. OBJECTIVES OF THE PRACTICE:

To promote direct industry linkages with the departments and enhance In-plant training, Industry visits, field/site visits, Industry projects and Internship's opportunities to the students and also to train the faculty in the recent advancements

### 3. THE CONTEXT:

Providing provision in curriculum to accommodate Employability Enhancement Courses (EC) and industry oriented advanced courses satisfying both statutory body requirements and Programme specific demands

### 4. THE PRACTICE:

MoUs are signed with reputed industries and Government organizations to enhance technical expertise of faculty and students.

**5. EVIDENCE OF SUCCESS:**

Renowned industries have collaborated with KEC for Centre of Excellence (CoE) establishment: CoE in Robotics and Automation with Fanuc, Bengaluru, CoE in Energy and Building Automation with Schneider Electric India, Bengaluru, CoE in Product design and development for Automotive interior parts with Macbro, Erode, CoE in Data Sciences with Nvidia, Bengaluru and CoE in Energy Studies with Fluke Corporation.

**6. PROBLEMS ENCOUNTERED:**

Finding slots with industries for student /faculty training during summer and winter vacations and for field visits are becoming difficult.

File Description	Documents
Best practices in the Institutional website	<a href="https://kongu.ac.in/igac/best_practices.p hp">https://kongu.ac.in/igac/best_practices.p hp</a>
Any other relevant information	<a href="https://kongu.ac.in/igac/best_practices.p hp">https://kongu.ac.in/igac/best_practices.p hp</a>

**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)

"Transform Yourself" for Holistic Development The theme of the institute is "Transform yourself" which is an umbrella term that covers major implications for everyone to set his or her mind to transform the self from one level to another level. Though KEC is located in a rural area, it offers opportunities for students at 360° for transforming themselves at various levels, from their admission to a particular course in the institute to the exit, leading to their holistic development, i.e., physically, mentally and emotionally. After admission, the students are given a platform to develop themselves in terms of knowledge, skills, behaviour and attitude. The institute facilitates knowledge enhancement through various teaching learning methods and through making students to participate in various activities. Using the knowledge gained, the students are able to define a problem, conduct investigations and develop solutions.

The word 'Kongu' in Kongu Engineering College stands for the organized sector of people belonging to south India, who are known exclusively for their discipline and humaneness.

The achievements of the students during 2022-23 can be viewed at [https://kongu.ac.in/docs/2022-23\\_student\\_achievement.php](https://kongu.ac.in/docs/2022-23_student_achievement.php)

The achievements illustrate the success of KEC in implementing its core principle "Transform yourself" for the holistic development of students.

File Description	Documents
Appropriate link in the institutional website	<a href="https://kongu.ac.in/achievement_student.php">https://kongu.ac.in/achievement_student.php</a>
Any other relevant information	<a href="#">View File</a>

### 7.3.2 - Plan of action for the next academic year

#### Plan of action for the next academic year:

1. Activities for centre of excellence to be strengthened
2. Training for faculty, staff (DEO & Lab Asst ) to be improved
3. Industrial consultancy to be enhanced
4. Organize more training programme related to Outcome based education
5. Strengthen the industry sponsored Labs