



# **YEARLY STATUS REPORT - 2021-2022**

## **Part A**

### **Data of the Institution**

#### **1.Name of the Institution**

**KATHIR COLLEGE OF ENGINEERING**

• Name of the Head of the institution **DR. R. UDAIYAKUMAR**

• Designation **PRINCIPAL**

• Does the institution function from its own campus? **Yes**

• Phone no./Alternate phone no. **04222203787**

• Mobile no **9626273374**

• Registered e-mail **kathirce@gmail.com**

• Alternate e-mail **principal@kathir.ac.in**

• Address **WISDOM TREE, AVINASHI ROAD,  
NEELAMBUR**

• City/Town **COIMBATORE**

• State/UT **TAMILNADU**

• Pin Code **641062**

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

• Affiliated /Constituent **Affiliated**

• Type of Institution **Co-education**

• Location **Rural**

- Financial Status **Self-financing**
- Name of the Affiliating University **Anna University**
- Name of the IQAC Coordinator **Dr. B. Prabakaran**
- Phone No. **04222203778**
- Alternate phone No. **04222203787**
- Mobile **9894158701**
- IQAC e-mail address **iqac@kathir.ac.in**
- Alternate Email address **prabakaran@kathir.ac.in**

**3. Website address (Web link of the AQAR (Previous Academic Year))**

[https://kathir.ac.in/wp-content/uploads/2022/files/AQAR\\_2020\\_2021.pdf](https://kathir.ac.in/wp-content/uploads/2022/files/AQAR_2020_2021.pdf)

**4. Whether Academic Calendar prepared during the year?**

**Yes**

- if yes, whether it is uploaded in the Institutional website Web link:

<https://kathir.ac.in/academic-calendar/>

**5. Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B</b>	<b>2.59</b>	<b>2016</b>	<b>25/05/2016</b>	<b>24/05/2021</b>
<b>Cycle 2</b>	<b>A+</b>	<b>3.49</b>	<b>2023</b>	<b>28/02/2023</b>	<b>27/02/2028</b>

**6. Date of Establishment of IQAC**

**25/04/2016**

**7. Provide the list of funds by Central / State Government**

**UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,**

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>

**8. Whether composition of IQAC as per latest NAAC guidelines**

**Yes**

- Upload latest notification of formation of IQAC

[View File](#)

**9.No. of IQAC meetings held during the year 2**

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

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

**10.Whether IQAC received funding from any of the funding agency to support its activities during the year? No**

- If yes, mention the amount

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

Seamless Teaching Learning activities through Tech Enabled Learning (Theory : through online assessment platforms & Practical: through Virtual Labs)

MoUs with Industries to reduce Industry - Institution gap and enhance Industry driven education ecosystem

Orientation Program for students as per AICTE guidelines

Conducted more events and special programs

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

Plan of Action	Achievements/Outcomes
Tech Enabled Teaching Learning Process	Improved academic performance through Practice Oriented Learning
MoUs with Industries	Faculty interaction with Industry experts and identifying emerging areas and invited lectures from Industry experts
IQAC Meetings	adherence to quality initiatives in Teaching, learning and assessments
It has been planned to use ICT tools by all faculty for teaching learning process	Better learning by students through effective content delivery by faculty members
Planned for the faculty members to file Patents	five numbers of Patents are filed and published
Planned for the faculty members to write Books/Chapters	Some Faculty members wrote books
Planned to submit SSR for NAAC Cycle 2 Accreditation	SSR for Cycle 2 was prepared

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

- Name of the statutory body

Name	Date of meeting(s)
Management	14/04/2023

**14. Whether institutional data submitted to AISHE**

## Part A

### Data of the Institution

<b>1.Name of the Institution</b>	<b>KATHIR COLLEGE OF ENGINEERING</b>
• Name of the Head of the institution	<b>DR. R. UDAIYAKUMAR</b>
• Designation	<b>PRINCIPAL</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone no./Alternate phone no.	<b>04222203787</b>
• Mobile no	<b>9626273374</b>
• Registered e-mail	<b>kathirce@gmail.com</b>
• Alternate e-mail	<b>principal@kathir.ac.in</b>
• Address	<b>WISDOM TREE, AVINASHI ROAD, NEELAMBUR</b>
• City/Town	<b>COIMBATORE</b>
• State/UT	<b>TAMILNADU</b>
• Pin Code	<b>641062</b>
<b>2.Institutional status</b>	
• Affiliated /Constituent	<b>Affiliated</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Rural</b>
• Financial Status	<b>Self-financing</b>
• Name of the Affiliating University	<b>Anna University</b>
• Name of the IQAC Coordinator	<b>Dr. B. Prabakaran</b>

• Phone No.	04222203778				
• Alternate phone No.	04222203787				
• Mobile	9894158701				
• IQAC e-mail address	iqac@kathir.ac.in				
• Alternate Email address	prabakaran@kathir.ac.in				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://kathir.ac.in/wp-content/uploads/2022/files/AQAR_2020_2021.pdf">https://kathir.ac.in/wp-content/uploads/2022/files/AQAR_2020_2021.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://kathir.ac.in/academic-calendar/">https://kathir.ac.in/academic-calendar/</a>				
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Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
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Cycle 2	A+	3.49	2023	28/02/2023	27/02/2028
<b>6.Date of Establishment of IQAC</b>			25/04/2016		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
NIL	NIL	NIL	NIL	NIL	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			Yes		
• Upload latest notification of formation of IQAC			<a href="#">View File</a>		
<b>9.No. of IQAC meetings held during the year</b>			2		

<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	Yes	
<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. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No	
<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>		
Seamless Teaching Learning activities through Tech Enabled Learning (Theory : through online assessment platforms & Practical: through Virtual Labs)		
MoUs with Industries to reduce Industry - Institution gap and enhance Industry driven education ecosystem		
Orientation Program for students as per AICTE guidelines		
Conducted more events and special programs		
<b>12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>		

Plan of Action	Achievements/Outcomes
<b>Tech Enabled Teaching Learning Process</b>	<b>Improved academic performance through Practice Oriented Learning</b>
<b>MoUs with Industries</b>	<b>Faculty interaction with Industry experts and identifying emerging areas and invited lectures from Industry experts</b>
<b>IQAC Meetings</b>	<b>adherence to quality initiatives in Teaching, learning and assessments</b>
<b>It has been planned to use ICT tools by all faculty for teaching learning process</b>	<b>Better learning by students through effective content delivery by faculty members</b>
<b>Planned for the faculty members to file Patents</b>	<b>five numbers of Patents are filed and published</b>
<b>Planned for the faculty members to write Books/Chapters</b>	<b>Some Faculty members wrote books</b>
<b>Planned to submit SSR for NAAC Cycle 2 Accreditation</b>	<b>SSR for Cycle 2 was prepared</b>

<b>13.Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name	Date of meeting(s)
<b>Management</b>	<b>14/04/2023</b>

<b>14.Whether institutional data submitted to AISHE</b>	
Year	Date of Submission
<b>2021-2022</b>	<b>13/01/2023</b>

<b>15.Multidisciplinary / interdisciplinary</b>
<b>In line with New Education Policy and being an affiliated institution to Anna University, we have used the common</b>



curriculum during I semester of study across all branches to mixed programs representation in each section and allowing students to choose simple problem statements for their microproject works which demand representation of more than one discipline specialization. Anna University has initiated steps in providing open elective courses which allow students to choose courses from curriculum of other programs. We encourage our students to choose inter disciplinary project ideas.

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

Since we are affiliated to Anna University and a non-autonomous institution, we are awaiting for the implementation of ABC at University level. Anyhow, we have registered for ABC through NAD.

#### **17.Skill development:**

Our institution has registered with NASSCOM Future skills Prime Program which is an initiative of MEITY- NASSCOM digital skilling initiative and our students are registering and pursuing various skilling programs offered in the portal. Our Institution has initiated efforts for skill development programs in line with Tamilnadu Skill Development Corporation (TNSDC) guidelines and we are part of AICTE-KARMA project. Enhancing essential qualities such as humanistic, ethical, constitutional and Universal Human Values for our students is achieved through conducting guest lectures and conducting workshops. Being a Tech-enabled institution hybrid way of learning is followed though keeping students practice with the available Ed-tech platform.

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

Being an affiliated institution since Indian Knowledge system has not been included as part of the curriculum, we have organized more events related to Indian Knowledge system. We celebrate functions during traditional days to inculcate crossstate cultures into our students to keep them aware of the traditions of other states. In addition, we provide training on Spoken Hindi to our students to keep them communicative with all whom they meet. We encourage students to travel across states to participate in various events to understand the tradition of other places.

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

Our affiliating University has framed the curriculum since 2017 based on Outcome Based Education. Since Course Outcomes are framed by University and offered we use them for calculation of attainment of Course Outcomes. When it comes to Program Outcomes we have a very clear strategy of using cocurricular and extra-curricular activities to help the students acquire all attributes such as Knowledge, Skill and attitude so that attainment of all POs and PSO at expected levels. Each Program has a welldefined set of PEOs to measure the outcomes of our alumni during their professional career after successfully graduated. We train our students by providing problems to acquire Higher Order Thinking Skills as per revised Blooms Taxonomy.

#### 20.Distance education/online education:

Our institution has all the necessary infrastructure and ICT tools to offer virtual education. Students from rural areas where internet bandwidth was not good were not able to attend online classes though latforms such as Zoom, Teams and G-meet. Since our Teaching Learning process is based on AI blended Edu-Tech platform, all our lectures are recorded and posted to the students and students download the lectures when they get internet connectivity and continue their learning. We are authorised to use Virtual labs of NIT-Suratkal which help our students to gain practical knowledge remotely. The effectiveness of these facilities were witnessed during Covid-19 pandemic.

### Extended Profile

#### 1.Programme

1.1 338

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

File Description	Documents
Data Template	<a href="#">View File</a>

#### 2.Student

2.1 823

Number of students during the year

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

2.2

261

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

File Description	Documents
Data Template	<a href="#">View File</a>

2.3

172

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

### 3.Academic

3.1

87

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2

87

Number of sanctioned posts during the year

## Extended Profile

### 1.Programme

1.1 338

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

File Description	Documents
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### 2.Student

2.1 823

Number of students during the year

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

File Description	Documents
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Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

### 3.Academic

3.1 87

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2	87
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	30
Total number of Classrooms and Seminar halls	
4.2	332.70
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	403
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

The Kathir College of Engineering is affiliate of Chennai Anna University. Our institution adheres to the Anna University curriculum and uses a methodical approach to assure that the teaching, learning, and assessment processes are efficient. The academic calendar, which the institution developed in prior to the commencement of the semester in accordance with the schedule advised by the university. Department academic calendar is also prepared adhering Institutional calendar.

Individual class timetables are prepared and circulated to the students, before the commencement of classes.

The online classes are conducted with the help of e-box platform which ensures upskilling of students along with their regular classes. E-box is an AI driven Technology Enabled Active Learning platform.

Course plans are created for each course to achieve the course objectives, course outcomes, and programme outcomes in order to guarantee successful curriculum delivery.

A course file is created for each course to keep track of the course's design, delivery, assessment, achievement of the outcomes, and corrective actions done.

The evaluation is carried out in accordance with university regulations, and the pattern includes a university examination with a 80% weighting and a continual internal assessment with an 20% weighting.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/1.1.1_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/1.1.1_21-22.pdf</a>

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

The institution adheres to the academic calendar including for the conduct of Continuous Internal Assessment (CIA)

The timetable is developed in accordance with the academic calendar and sent to the students as well as posted on the department notice board. The institution completes the required coursework on the calendar. The institution strictly adheres to the academic calendar, and any changes are made in accordance with the AICTE's and, if applicable, the affiliated university's announcements.

The conduct of the Continuous Internal Assessment (CIA) is regulated by the instruction given by Anna University in the form of Assessment Notification.

The assessment have three major categories report period, test period and report entry period.

During report period the regular class activities will be carried out along with department and institutional events.

During test period the CIA will be conducted.

During report entry period all the CIA scripts will be evaluated and subject marks along with attendance for the report period will be entered in Anna University web portal.

The evaluation is carried out in accordance with university regulations, and the pattern includes a university examination with a 80% weighting and a continual internal assessment with an 20% weighting.

The Anna University in Chennai oversees conducting the final exams for the semester.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/1.1.2_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/1.1.2_21-22.pdf</a>

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

**B. Any 3 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## **1.2 - Academic Flexibility**

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

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

10

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

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

12

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

420

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

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

The curriculum of Anna University efficiently incorporates cross-cutting themes such as gender, environment and sustainability, human values, and ethical standards, resulting in a strong value-based holistic development of students.



## Gender Sensitivity

Students are informed about gender justice and inspired to work towards it from a multicultural perspective. Free counselling is available from a counselling cell. In rural areas, gender awareness programmes are held that address issues like equal emancipation, human rights, children's rights, gender justice, and gender equality.

## Environment and Sustainability

The strong sense of community that permeates KCE's workplace extends to the areas of water quality, air quality, education and healthcare, agriculture and dairy practices, innovation, and human values.

It is intended to hold camps for environmental workshops, talks, industry visits and field trips.

## Human Values and Professional Ethics

All UG programmes at Anna University offer Human Values and Professional Ethics as an optional subject, and students are encouraged to sign up for it.

The course comprises of,

- Understanding Human Values
- Ethics in Engineering
- Engineering as Social Experimentation
- Safety, Responsibilities and Rights
- Global Issues

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

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

92

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View File</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View File</a>
Institutional Data in Prescribed Format	<a href="#">View File</a>

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

238

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

### 1.4.1 - Institution obtains feedback on the syllabus and its transaction at the

A. All of the above

<b>institution from the following stakeholders</b> <b>Students Teachers Employers Alumni</b>	
File Description	Documents
URL for stakeholder feedback report	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/1.4.1_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/1.4.1_21-22.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/1.4.2_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/1.4.2_21-22.pdf</a>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of students admitted during the year</b>	
<b>286</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)</b>	
<b>2.1.2.1 - Number of actual students admitted from the reserved categories during the year</b>	

174

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The affiliating university announces the conduct of three continuous assessment test for each semester. The internal assessment marks are calculated based on the above three tests. This is forwarded to the university. The university conducts the end semester examination and the marks obtained by the students are taken as external assessment marks. The total of both internal and external assessment marks is declared as result by the university.

This forms the basis for the assessment of learning levels of the students. Based on the university marks the students are categorized as advanced and slow learners.

Special curriculum related programs are arranged for the slow learners. This would help them to improve their pace of learning and help achieve academic standard. As for advanced learners, special programs are conducted for them to improve their skills and help them achieve academic excellence.

A comprehensive schedule is prepared in advance for the advanced and slow learners. Based on the schedule, the programs are conducted for the respective category of students. An assessment is planned in each program for slow learners. The students are given the assessment and outcome is mapped with their improvement in performance.

The Advanced learners are provided with seminars on latest topics, workshops with hands on sessions/mini projects, and competitions. They are made to participate in such events and their outcomes are mapped with respective skills.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/2.2.1.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/2.2.1.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
823	87

File Description	Documents
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

Kathir college of engineering offers the students an ambience of Academic excellence. The students are exposed to various types of learning methods. This academic year, our institution has subscribed to an academic platform called Ebox. This platform is an AI driven technology enabled platform. It automates the assessment of learning ability of the student. The above technology platform enables the student to participate/interact with the faculty members, thus ensuring participative learning. Further, the components included in the practice sessions of the topics helps them experience the learning while helping them solve the problems in the topics of the respective subjects. However, the students are also provided with real time experience by facilitating industrial visits to enable them to gain hands on experience relevant to their topics of study.

In addition to this, they are also allowed to undergo internship in companies which gives them required live practice sessions. Students are made to work along with their peers in the industry which helps them acquire real time exposure and hone their skills. Students are encouraged to do their projects in industry which provides them an opportunity to obtain expert project inputs. This project experience provides them with problem solving skills. Overall the various learning methodologies help the students in enhancing their learning experiences.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/2.3.1.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/2.3.1.pdf</a>

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

In order to be industry ready, students must acquire and master the most up-to-date technology today. As a result, teachers are merging technology with conventional teaching methods to keep them engaged in lifelong learning. In order to assist, enhance, and optimise the delivery of education, KCE employ information and communication technology (ICT) in education.

KCE uses the following ICT Tools to provide skilling and assessment to the learners.

1. Projectors are available in different classrooms/labs/seminar halls
2. Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.
3. Printers are installed at Labs, HOD Cabins and all prominent places.
4. Photocopier machines - Multifunction printers are available at all prominent places
5. Scanners & Multifunction printers
6. Seminar Rooms- Three seminar halls are equipped with all digital facilities.
7. Smart Board- Installed in the campus.
8. Auditorium- It is digitally equipped with mike, projector, cameras and computer system.
9. Online Classes through E-Box, Zoom, Google Meet, Microsoft Team, Google Classroom
10. Digital Library resources

Use of ICT by Faculty

1. PowerPoint Presentations: Faculty members are encouraged to use LCDs and projectors to provide power-point presentations in their classes. They may also create successful presentations with the use of a digital

library, internet search engines, and websites.

2. Virtual labs: Faculty members conduct simulation based experiments through remote access.
3. Industry Connect: Guest lectures, professional discussions, and other contests are often conducted for students in the seminar and conference rooms, which are technologically equipped.
4. Online Quiz/Competitions
5. Video Conferencing
6. E-Box Platform

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

86

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<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

87

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

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

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

**23**

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

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

##### **2.4.3.1 - Total experience of full-time teachers**

**372**

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

#### **2.5 - Evaluation Process and Reforms**

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



The effective and seamless administration of examinations, as well as the timely announcement of results, can only be achieved with the collaboration of all stakeholders, including KCE teaching, non-teaching, and administrative employees. Invigilators are requested to acquaint with the following procedures:

#### END SEMESTER EXAMINATION

1. The invigilator is not permitted to carry a cell phone or other reading material. The invigilator is required to remain watchful and to make several passes through the test hall.

#### INTERNAL EXAMINATION

1. The university regulations governing course-specific examination patterns are given to students. The university circulars in this respect are distributed to faculty members and administrative personnel on a regular basis, and they are also placed on notice boards for students.

#### Mechanism of internal assessment

1. The schedule of Continuous Internal Assessment (CIA) and Model Examinations, as well as assignments, is provided at the start of each session.

#### Model Examination

1. Valuation is done by the respective course instructor within two days of Examination.

#### Assignments

1. Assignments are provided in every course to enhance the learning process.

#### Internal Assessment Marks

1. Internal Assessment Marks which comprises of CIA-1, CIA-2, CIA-3/model examination and Assignments and model exam marks are conveyed to students.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/2.5.1 AQAR.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/2.5.1 AQAR.pdf</a>

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

A transparent, time-bound and efficient method is being followed at KCE in terms of dealing with internal examination related grievances.

#### College Level

1. If a student is unable to attend for an examination due to medical or other legitimate reasons, an examination is held for that student in accordance with the rules, provided he or she makes an application with all required documentation.
2. If a student receives less than a passing grade in a subject and wishes to improve, he or she may take the improvement test.
3. Students' concerns about evaluation are addressed by displaying their performance on the answer sheet.
4. In the presence of the student, the faculty assesses the student's answer sheet once more. Faculty members correct any errors in the total of marks or in the evaluation of answer booklets that students have noticed.
5. Any student who is dissatisfied with the assessment and award of grades should contact the concerned HOD, who can intervene and seek the advice of another course teacher.
6. The Institute uses an open assessment approach in which student performance is posted on the notice board and

parents are notified.

#### University level

1. In terms of assessment, if a student receives a lower grade than predicted, he or she can request a revaluation of his or her answer script by paying the required fee.
2. In the event that a student has a grievance about an evaluation, the university will give a photocopy of the answer sheet.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/2.5.2_2.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/2.5.2_2.pdf</a>

## 2.6 - Student Performance and Learning Outcomes

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

Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs) are framed by the department delivering the concerned programme after extensive consultation with all faculty and stakeholders, in strict conformity with the objectives of Outcome Based Education (OBE). Following the establishment of unanimity, the information is extensively disseminated and promoted via different methods, such as display and/or communication, as described below. ? Website ? Curriculum /regulations books

Class rooms ? Department Notice Boards ? Laboratories ? Student Induction Programs ? Meetings/ Interactions with employers ? Parent meet ? Faculty meetings ? Alumni meetings ? Library The HODs create awareness of POs, PSOs, and COs when speaking to the learners. Faculty members, mentors, course coordinators, and programme coordinators also provide information to students, raise awareness, and highlight the role of meeting the objectives.

Specified skill criteria and accomplishments to be met by students at the micro level and at the conclusion of the programme are known as programme specific outcomes (PSOs). The PSOs, which are normally 2 - 3 in number, are prepared by the programme coordinators in cooperation with the course coordinators. The Head of Department and subject specialists from each department will debate it and approve it after it has been approved by the Programme Advisory Committee of the department.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/2.6.1.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/2.6.1.pdf</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

The Choice based credit system adopted by Anna university has mandated all the institutions under it to follow suit. Thus Outcome based education has become mandatory for all the institutions. Kathir college of engineering, being affiliated to Anna university, followed the curriculum prescribed by the University. The course outcomes and program articulation matrix was provided by the university. Our institution followed the prescribed COs and POs. As per the university regulation, 3 Continuous internal assessments shall be conducted and the internal marks are calculate based on the marks scored. An End semester examination is conducted by the university to provide the external component. The marks scored by the student include both the internal and external component. The attainment of CO - PO is evaluated based on a process evolved by the institution.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/2.6.2 AQAR.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/2.6.2 AQAR.pdf</a>

**2.6.3 - Pass percentage of Students during the year****2.6.3.1 - Total number of final year students who passed the university examination during the year****139**

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/Annual-Day-Report-21-22_AQAR.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/Annual-Day-Report-21-22_AQAR.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)**<http://kathir.ac.in/wp-content/uploads/AQAR/2.7.1.pdf>**RESEARCH, INNOVATIONS AND EXTENSION****3.1 - Resource Mobilization for Research****3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****5.32**

File Description	Documents
Any additional information	<a href="#">View File</a>
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)****3.1.2.1 - Number of teachers recognized as research guides****4**

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

**3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year****3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year****1**

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="http://www.powerlabinstruments.com/">http://www.powerlabinstruments.com/</a>

**3.2 - Innovation Ecosystem****3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**

The Institute has taken numerous initiatives for innovations, creation, and transfer of knowledge. The Institute has created Centre's of Excellence for the promotion of research and transfer of knowledge to the students.

**Centres of Excellence (COE)**

- **Amphisoft Technologies Private Limited**
  - **for Artificial Intelligence and Data Science skill**

## development

- KCARDS
  - for Embedded system Research and development
- National Instruments
  - for innovations using Lab viewsoftware
- Texas instruments
  - For industrial automation
- Kalam interdepartmental innovation centre
  - Inter disciplinary product innovation

## Tech Enabled Learning Platform

The Institution has a distinct advantage of implementing an Artificial Intelligence blended teaching-learning process and a digitally enabled campus through Ebox - a learning portal.

The platform also has the capacity to learn the problem-solving skills of the students and provides longitudinal digital profile (LDP).

## Institution Innovation Council

The College has created an Institutional Innovation Council (IIC) for promoting innovation & entrepreneurship activities. The formation of IIC is as per the guidelines of MHRD & AICTE. The Institution has also created Dr. APJ Abdul Kalam Research and Innovation Hub.

## AICRA

The Institution is an active member of AICRA (All India Council for Robotics and Automation).

## Virtual labs

The Institution has also collaborated with NIT Surathkal for virtual labs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/3.2.1_COES_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/3.2.1_COES_21-22.pdf</a>

### 3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

#### 3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

6

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.3 - Research Publications and Awards

#### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

##### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	<a href="https://kathir.ac.in/research-collaboration/">https://kathir.ac.in/research-collaboration/</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>



**3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year****3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year****20**

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

**3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year****3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year****11**

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**3.4 - Extension Activities**

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

**Extension activities for social impact**

The Kathir College of Engineering organizes a number of extension activities to promote institute-neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development. The college runs effectively National Service Scheme (NSS), Youth Red Cross (YRC). Through these units, the college undertakes various extension activities in the neighborhood community.

Kathir College of Engineering encourages active participation of

students in programs involving social issues.

- NSS
- YRC

Our students actively participated in community service activities through National Service Schemes conducted by Kathir College of Engineering. NSS volunteers have addressed various social issues which includes

- Blood donation
- Tree plantation
- Yoga
- Save Soil
- Sensitization programs of social issues for students
- Environmental awareness
- Freedom Run Walkathon Rally
- Say No to Drugs
- Community sensitization programs
- Voter awareness programs

Other than NSS and YRC , the various departments of the college are conscious about its responsibilities for shaping students into responsible citizens of the country by making students aware of social issues. All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self-confidence of

students. It also helped in cultivating hidden personality of students and created awareness among students.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/3.4.1.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/3.4.1.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

#### 3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

1

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

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

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

12

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

**750**

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**3.5 - Collaboration**

**3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**

**3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

**11**

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

**3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year**

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

**3**

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

KCE has a well-developed green campus of 7.5 acres; Following facilities are available in our campus.

#### Class Rooms:

KCE has 27 spacious and well ventilated classrooms, each equipped with required number of desks, benches, and black-boards. Five classrooms have been earmarked and equipped with smart boards and 10 classrooms are equipped with LCD projectors.

#### Laboratories and Workshops:

26 well equipped laboratories and 1 workshop cater to the students practical learning. These laboratories help the students acquire hands on experience thereby enhancing their knowledge and skill.

#### Library:

The library is housed in a spacious area of 400sq.m., fully computerized and air-conditioned with Reference Section, Magazine Section and Stack Area. Presently it has a collection of books with 10311 titles and 29,566 volumes and numerous magazines in all relevant streams of engineering and management, stacked for the benefit of staff and students.

#### Digital Library:

Our library has subscription of 46 National & International

Journals, 11 Magazines, 5000+ e-journals and e-books available in DELNET DATABASE, and (N-List) to enable students to acquire wide scope of knowledge.

#### Seminar Halls:

KCE has a fully furnished auditorium. KCE also has 2 seminar halls.

#### Renewable Power Source:

KCE has an installed capacity of 30 kW renewable solar power source which ensures a regular and reliable power supply. In addition, KCE has a diesel generator set power back up for the campus with a capacity of 80 kW.

#### Safety and Surveillance:

For safety and surveillance purpose, KCE has installed 50 CCTV cameras in the campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/4.1.1.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/4.1.1.pdf</a>

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

Kathir College of Engineering inculcates holistic personality development of students, by providing them necessary facilities apart from academics.

#### Cultural activities:

Cultural activities such as vocal singing, solo dance and group dance are performed by students during intra-department competitions. A devoted 'Fine Arts' club is functional in the college.

#### Annual cultural festival:

An annual cultural event has been conducted every year to bring

out and display the fine arts skill of the students. The event is planned, organized and conducted by the students.

Sports and Games:

Physical facilities:

Indoor games includes

- Carom
- Chess
- Table Tennis
- Outdoor games includes
- Volley ball
- Cricket
- Shuttle Badminton
- Basketball
- Football

Annual sports festival:

KCE conducts sports day every year. It is a platform where the students exhibit their sports skills. This also enables them to compete in inter college events.

Fitness center:

Gymnasium:

Round the clock fully-furnished inbuilt gymnasium is also available in the campus for the physical well-being of Day-scholar and Hostel students.

Yoga center:

The mental fitness of the faculty and students are taken care of by providing Yoga and meditation sessions in periodic intervals.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/4.1.2.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/4.1.2.pdf</a>

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

30

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/4.1.3.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/4.1.3.pdf</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

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

54.66

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource



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

- Name of ILMSsoftware: MODERNLIB
- Nature of automation:Full
- Version: Perpetual
- Year of Automation: 2016

KCE library holds the rich collection of more than 29,500 text as well as reference books in the domain of Electronics and Communication Engineering, Computer Science and Engineering, Mechanical Engineering, Civil Engineering, Electrical and Electronics Engineering, Applied Sciences, General Management, etc. It has subscribed to 84 print journals of 'National' as well as 'International' reputed magazines, newspaper and periodicals. It has subscribed to the E-Resources such as 'DELNET', 'N-LIST', 'e-Shodh Sindhu' under which campus wide access to more than 85000 e-books, 9000 e-Journals, 1000 NPTEL & multimedia videos are available for the students use.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/4.2.1.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/4.2.1.pdf</a>

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

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

##### 4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

2.5471

File Description	Documents
Any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
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 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

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

30

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of library usage by teachers and students	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

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

Computer labs are well-equipped with branded computer systems adequately supported by 100 MBPS leased lines for internet connectivity with a wide range of licensed system software and application software.

The institute has 403 computers with the following configurations:

- Lenovo Thinkcenter M80 Core 2 Duo Processor
- Lenovo Thinkcenter M72e i3 Processor
- Lenovo Thinkcenter M80 i5 Processor
- Lenovo Thinkcenter M72e Dual Core Processor
- Dell Vostro 230 Slim Core 2 Duo Processor
- Zenta Intel Core i5 Processor.

The entire campus is connected with LAN.

LAN facility: 3-Layer Switching (Core, Distributed and Access) model is implemented to connect all the computers to the network..

Wi-Fi facility: The system administration team extends the complete support to the students by setting and installing (KAWIFI) Wi-Fi zones at various locations such as Library, Hostels, Department corridors and at the Green lawn area.

Intercom Facility: The campus is well connected with a well planned Telecom Network with intercom facilities provided at important locations in the administrative office, library, departments, laboratories and hostels, etc.

CCTV Facility: The entire campus is under the surveillance of Closed Circuit Television.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/4.3.1.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/4.3.1.pdf</a>

#### 4.3.2 - Number of Computers

403

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

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

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

**4.4 - Maintenance of Campus Infrastructure****4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)****110.97**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

**Laboratory:****Stock registers**

**Record of equipment's is maintained in Stock Register.**

#### Maintenance of equipment

Laboratories are regularly maintained. Equipment's are maintained properly and serviced periodically.

#### Repair and service

Major breakdown maintenance if required, is carried out by external agencies.

#### Maintenance of Library Facilities:

- The books and journals are maintained.
- Book binding is carried out on regular basis for damaged books to avoid further damage.
- Stock verification is done as a part of regular monitoring and control.
- Procurement of new books & renewal of journals and recommendation for additional books.
- Update and upgrade the library contents, periodically as per updates in curriculum.

#### Computers:

- The institute has an adequate number of computers with internet connections and utility softwares.
- Computer systems, UPS, Softwares and Servers are maintained by system admin and Lab-In Charges.

#### Classrooms, Conference Hall:

- Classrooms, Conference Hall and Auditorium are provided with enough seating capacity and LCD projectors.
- Cleanliness of class rooms and Conference Hall is maintained on a daily basis.

**Sport complex:**

- Physical Director of the institute looks after the sports facilities and the activities.
- The sports equipments are issued to the students as per the schedule of the events.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/4.4.2.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/4.4.2.pdf</a>

**STUDENT SUPPORT AND PROGRESSION****5.1 - Student Support****5.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year****5.1.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year**

410

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

**5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year****5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by**

**the institution / non- government agencies during the year****489**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

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

**A. All of the above**

File Description	Documents
Link to Institutional website	<a href="https://kathir.ac.in/">https://kathir.ac.in/</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year****512****5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year****512**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

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

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

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

**89**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

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

#### 5.2.2.1 - Number of outgoing student progression to higher education

**2**



File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of student progression to higher education	<a href="#">View File</a>

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

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

3

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

### **5.3 - Student Participation and Activities**

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

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

9

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

**The committee details are as follows: -**

**1. Class Committee:**

The class committee comprises a chairperson who is not associated with the class, a faculty advisor, faculty members handling subjects, and three students of the concerned class.

**1. Association Committee:**

Students are the main driving force of the association and they hold positions ranging from Secretary, Joint Secretary, Treasurer, and Executive Members.

**1. Students Council:**

The student council composition includes 3 students from each year, President, Vice-President, Secretary, Treasurer, and Executive members are nominated out of these students.

**1. Sports Council:**

This committee comprises of principal as the chairperson and the physical director as the member secretary. It also includes student members from each class of every department.

**5. Cultural Committee:**

The Cultural Committee of Kathir College of Engineering is used to conduct various programs throughout the year and brings out

the vibrant colors of extracurricular activities.

#### 6. Hostel and Mess Committee:

The students, who are in hostels, will also be a part of the Hostel and Mess committee.

#### 7. Library Committee:

The Library Committee is composed of chairman, secretary, members, convenors, or members shall be part of the Library Council.

#### 8. Training and Placement cell:

The Placement Committee of the college, which plays a vital role in measuring a smooth & efficient placement process.

#### 9. News Letter & Magazine Committee:

The College Newsletter is a mirror that reflects the activities organized by the various Departments of our Institution.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/5.3.2_21-22_AQAR.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/5.3.2_21-22_AQAR.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

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

5

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

#### 5.4 - Alumni Engagement

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

**Yes. An Alumni Association is registered on our campus. Alumni Engagement is an integral part of student support services. The primary objectives of the Alumni association are**

- To enable interaction between the institution and alumni which promotes mutual understanding and mutual information sharing. WhatsApp groups and other social media are utilized regularly to be in touch with alumni.
- To obtain feedback regarding recent technologies and opportunities is often collected from alumni. Willing alumni are allowed to make specific contributions to the institute, enabling them to be a part of the process of growth and development of the institution.
- To utilize referral programs in alumni's current organization to drive placement for students with appropriate skills as per the requirement.
- Alumni who are associated with research establishments, interact with students with research inclination. This helps them to understand and pursue research in upcoming areas.
- To organize mentorship programs to create awareness among the students regarding competitive examinations and other recruitment exams conducted by state and central government.
- To provide scholarships for students who have exemplary academic records or have an outstanding sports profile.
- Seminars, workshops, and conferences are held in association with the alumni network. This promotes mutual

learning and also helps students to learn state-of-the-art technologies.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/5.4.1_AQAR-21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/5.4.1_AQAR-21-22.pdf</a>
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

**D. 1 Lakhs - 3Lakhs**

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 and in tune with the vision and mission of the institution

#### Vision:

Strive to promote Excellence in Engineering Education and Research by developing our students as Real-Time Problem solvers thereby contributing to the societal needs.

#### Mission:

- Promote excellence in Core and allied studies through Technology enabled Teaching and active learning practices
- Develop multi-talented and committed human resources by providing research and development environment to innovate and find solutions for Real-Time Problems.
- Create socially responsible engineers with team-spirit / entrepreneurs with necessary leadership skills thus contributing towards a better world

#### Our Core Values:

Our motto is to serve the society through producing responsible citizens by imparting integrity and ethics through Inclusivity, Team-spirit and excellence, Entrepreneurship, Social

responsibility and Personal and professional growth.

#### Code of Conduct

- The College has well constituted regulatory mechanism to ensure that code of conduct for various stakeholders is followed through disciplinary committee, admission committee, anti-ragging committee, Grievance Redressal committee, examination Committee, etc...

#### Best Practices

- Regular update of curriculum as per the industry/market needs and innovative certificate courses.
- Regular conduct of orientation/induction programs for students and faculty.
- Continuous efforts to enhance research culture of the college.
- Conduct of Placement training Programs/Pre-placement activities for enhancing placement opportunities.
- Financial support to students from economically poor background.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/6.1.1_AQAR_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/6.1.1_AQAR_21-22.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

Effective leadership can be demonstrated by the various practices followed by the institution in its operations.

1. Delegation of financial powers: The institute practises devolution of financial powers at the levels of Principal, heads of departments, and functional unit heads. The Principal, heads of departments, functional unit heads have been authorised to approve payment of bills within the pre-approved limits assigned to them.

**2. Participative management:** Participative management has been instituted and practised in the institute as evidenced by formation and functioning of various cells and committees for key processes of the institution. Some of the key committees are planning and evaluation committee, grievance redressal committee, examination committee, library committee, student welfare committee, hostel and mess committee, NSS, YRC and YOGA committee, IQAC academic audit committee, time table committee, Alumni association committee, admissions cell, entrepreneurship development cell, training and placement cell, discipline committee, research cell and extension services committee, women empowerment committee, institutional industry collaboration committee, and anti-ragging committee.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/6.1.2_AQAR_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/6.1.2_AQAR_21-22.pdf</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

A strategic planning framework should be in place for every organisation to grow and thrive. Strategic planning is the process through which an organisation defines its strategy, and decides how to allocate resources to execute that goal. The strategy plan is formulated through workshop.

Kathir College of Engineering will maintain its quality and uniqueness by adhering to a strategy plan based on the following sub-areas:

- Teaching and Learning Process
- Outcome Based Education
- Research and Development
- Startup Studios

Due to COVID pandemic there has been a necessity for transition from traditional teaching to online teaching. E-BOX Edu-Tech platform was used to implement Blended Learning methods.

The online mode of teaching and practice sessions were much

useful and effective to implement outcome based education. The student skills were tested using the online platform and practice sessions.

#### Five Year Strategic Plan 2023-2028

The action plans in the previously listed sub areas are suitably linked to the following tasks in order for KCE to achieve the given milestones.

- Outcome Based Teaching and Learning Process
- Empowering the students to becoming Entrepreneurs
- Developing Research and Development
- Industry Collaborated Research Opportunities

#### Planned Milestones

- Strengthening Industrial Connect relationships to create research and internship opportunities
- Establishing start up studios to make the students as Entrepreneurs
- Attaining NBA accreditation and Autonomous Status

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/6.2.1_AQAR_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/6.2.1_AQAR_21-22.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

**Kathir College of Engineering has an elaborate hierarchical structure to effectively administer the institution.**

#### 1. Policies

The policies of the institute are framed by the leadership of the institute. The policies are in tune with the vision and mission of the institute. The subordinate bodies strategize and



implement the policies to achieve the desired outcome.

## 2. Administrative setup

The principal of the institution is the head of the administrative setup. The leadership has provided necessary procedures to carry out the administrative work.

- The heads of departments have been given necessary instructions by the head of the institution for executing the administrative functions of their respective departments.

- The personnel heading the infrastructure and maintenance body, under the guidance of the

principal, carries out the daily, weekly and monthly routines with regard to maintenance of the campus.

- The administration of Hostel for men and women students are supervised by the wardens under the guidance of the head of the institution.

- IQAC cell is empowered through the guidelines provided by the principal.

- Administration of library, placement, exam cell, R&D cell, sports, welfare committees, transport department are conducted as per norms suggested by the leadership.

## 3. Appointment and service rules, procedures

The appointment of teaching and non-teaching staff, service rules and procedures are followed by the guidelines provided by the leadership team.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/6.2.2.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/6.2.2.pdf</a>
Link to Organogram of the institution webpage	<a href="https://kathir.ac.in/organogram/">https://kathir.ac.in/organogram/</a>
Upload any additional information	<a href="#">View File</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) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<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

At Kathir College of Engineering, welfare of the members of faculty is given foremost importance. Existing welfare measures for teaching and non-teaching staff are listed below in relation to this.

Welfare measures for teaching and nonteaching staff

Financial support

- All statutory and Medical Leave for both teaching and nonteaching staff
- Maternity Leave for Eligible Members of Faculty
- Advances for festivals
- Fee Concession for the wards of the teaching and nonteaching staff

- Hostel and mess facilities at affordable cost
- Sponsorships for publications and conferences
- Transport services are available for both teaching and non-teaching staff.

#### Academic support

- Sponsorship for Ph.D programme.
- Internet and WiFi for all the members of staff
- Skill development and FDP for Effective Teaching and Learning
- Summer and Winter Vacations for Eligible Faculty Members
- The library subscribes to journals and magazines to support the research activities

#### Other support

- Gym Facility is available in evening hours
- Club and sports activities for Faculty members
- Faculty members are provided with Individual cabin and system to facilitate good ambience.
- The Women Empowerment Cell was formed in order to provide opportunities for female faculty members to thrive and acquire momentum.

In a nutshell, the Institution strives hard to keep the members of faculty happy and healthy.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/6.3.1.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/6.3.1.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

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

<b>year</b>	
<b>2</b>	
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>
<b>6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year</b>	
<b>6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year</b>	
<b>1</b>	
File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	<a href="#">View File</a>
Reports of Academic Staff College or similar centers	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>
<b>6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)</b>	
<b>6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year</b>	
<b>16</b>	

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

After one year of service, each employee's performance is evaluated on a yearly basis. The goal is not only to evaluate performance in accordance with established norms, but also to discover possible areas for development that might eventually lead to further advancement and growth of the individual.

The performance appraisal of the teaching and nonteaching staff is carried out based on the appraisal system given below.

#### ACADEMIC PERFORMANCE INDICATORS

##### Appraisal system for teaching staff

Teaching learning

Subject results

Feedback by students about the staff

Student mentoring

Faculty members involvement in student welfare

Guidance provided by the faculty members to the students

Helping students in placements

Focus towards higher education

Registered for PH.D

No of journal and conference publication

Research funding if any

General traits

Attitude

Team work

Sincerity

Commitment

Non-teaching Staff

General traits

Attitude

Team work

Sincerity

Commitment

Skill upgradation

The following are the key aspects of the performance appraisal system:

Teaching Staff

- Faculty members are explained well in advance about the performance appraisal system.
- At the end of the academic year, The teaching and nonteaching staff shall submit the API.
- Faculty members whose promotions are due are proposed based on their Academic Performance Indicator (API) score and must appear before the screening-cum-selection committee.

- Evaluation of the API of individual staff are assessed by respective HoD and Principal

#### Non-Teaching Staff

- Principal will carry out a personal interaction with library and office staff. After evaluating all parameters, the remark will be given by Principal.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/6.3.5.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/6.3.5.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 6.4 - Financial Management and Resource Mobilization

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

To maintain financial compliance, the Institution has created a process for performing annual internal and external audits on financial transactions. The institution's internal finance committee conducts an internal audit every six months. The committee extensively examines the revenue and spending information, and the internal audit compliance report is sent to the institution's administration via the Principal of our institution. An external audit is performed once a year by a third party.

- Before the start of each calendar year, the principal delivers budget estimate to the management.
- The college budget contains recurrent expenses like salaries, power, internet charges, maintenance costs, stationery, other consumable charges, and so on, as well as non-recurring expenses like lab equipment purchases, furniture, and other development costs.
- The accounts department monitors the expenses.

- On a semi-annual basis, an internal finance committee audits all vouchers.
- The costs incurred under various headings are extensively scrutinized by examining the bills and vouchers.
- If a disparity is discovered, it is brought to the attention of the principal.
- After the audit, the chartered accountant appointed by the management checks all payments have been lawfully approved, and the report is given to the management for approval.
- Any questions that arise throughout the auditing process will be addressed as soon as possible, together with the supporting documentation, and within the time restrictions specified.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/6.4.1.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/6.4.1.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

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

### **3.4**

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>



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

- The procedure involves the institute's numerous committees, as well as the Department Heads and the Accounts Office.
- Mobilization of Funds, the student tuition fee is the institute's primary source of income.
- A finance committee has been formed to oversee the use of cash for different recurring and non-recurring expenditures.
- The procurement committee solicits vendor quotes for the acquisition of equipment, computers, and books.
- The Principal, finance and procurement committees review the quotations before making a final selection based on characteristics such as cost, quality, and terms of service.
- In the event that the expenditure exceeds the budget, management advice is sought.
- The college budget is prepared by the Principal and Heads of Departments prior to the start of the fiscal year. It is submitted to the management for approval.
- The institutional budget comprises recurrent expenses such as salaries, power and internet charges, as well as stationary and other maintenance fees.
- The finance department and the procurement department keep track of whether spending are exceeding the budget.
- At the end of the financial year, statutory auditors are hired to certify the accounts.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/6.4.3.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/6.4.3.pdf</a>
Upload any additional information	<a href="#">View File</a>

## 6.5 - Internal Quality Assurance System

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

Kathir College of Engineering has institutionalized the following two quality initiatives of IQAC:

1) Tech Enabled Teaching and Learning for performance assessment of Individual students 2) Generating public visibility, curiosity and good will for the institution by conducting events open to the public free-of-charge

1) Tech Enabled Teaching and Learning for performance assessment of Individual students:

In our College we use an AI driven Ed-Tech Platform where each faculty member will frame at least 20 questions as per RBT norms for each lecture and upload in the platform to get around 900 questions with 300 Higher Order Thinking questions to test their analysing, evaluating and creating skills.

2) Generating public visibility, curiosity and good will for the institution by conducting events open to the public free-of-charge. The institute has organized events that are open to the public free of charge namely a state-level job fair, public exhibitions, offered its facilities of seminar halls, classrooms, auditorium for conducting competitions for school children and reached out to and arranged transport free-of-charge, refreshments and lunch on week-ends for school students especially who are currently attending secondary school education to visit its laboratories, interact with faculty members to inform their decision-making about their higher education. The hosting of public events free-of-charge (state-level job fair, public exhibitions) acknowledges the need of the institute for direct or indirect support of its immediate community and the public at large.

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/6.5.1.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/6.5.1.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

The IQAC evaluates the teaching-learning process regularly and takes initiatives to improve its quality.

The Academic Calendar is planned, exhibited, and circulated throughout the Institute.

The Academic Calendar includes information about holidays, Continuous Internal Assessment schedules, and starting, last working day of the semesters.

All newly enrolled students must attend the Orientation Program, during which they will learn about the Institute's philosophy, unique educational system, teaching-learning process, continuous evaluation system, numerous extracurricular activities, discipline, and culture. A guided tour of the campus and its extensive facilities is also given to all students.

Every student receives a Student Record.

Before each semester, students are informed of the timetable, program structure, and course syllabi.

The tutor and members of the Discipline Committee undertake random inspections to ensure that classes run smoothly.

Students participate in Class Committees regularly to provide comments, and appropriate efforts are taken to improve the teaching-learning process.

Students' feedback is also taken into account by faculties for their specific courses, by tutors, and directly by IQAC.

The Principal, HODs, and individual faculty members receive proper analysis and feedback.

Based on the IQAC suggestions, the teaching-learning processes are assessed and changes are implemented.

The following are some of the key efforts undertaken in the recent five years:

- The practice-based learning process is initiated through the E-Box platform
- Automation of Admission Processes - Provision for online fee payment
- Introduction of Artificial Intelligence and Data Science program

File Description	Documents
Paste link for additional information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/6.5.2.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/6.5.2.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

**B. Any 3 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/Annual-Day-Report-21-22_AQAR.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/Annual-Day-Report-21-22_AQAR.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<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

The Kathir College of Engineering addresses gender equity on a continuous basis throughout the year.

Our education focus on promoting the equal participation of women and men in making decisions; reducing enrolment gap between women's and men's access; giving equality in learning process, educational outcomes and external results; and providing equal benefits for both sexes.

##### 1. Safety and Social Security:

Our institution accords utmost priority to the safety and security of not only the students but also of the staff, and ensures a fool proof vigilant system so that every student, especially girl students, will feel secured and protected to pursue their educational endeavours.

The institution has different committees such as Anti - Ragging Committee, Students Grievance Committee and Discipline Committee which are on heels to provide quick relief to the students and to ensure the maintenance of decent and moral atmosphere within the campus.

##### 1. Counselling:

The institution identified that counselling can make a profound impact on the psyche of the students and helps them to navigate difficult life situations.

To pursue this the college adopted 'Mentor - Mentee' system as the first step towards confidence building among the students. Each faculty is assigned with specific number of students to cater to their psychological and emotional needs.

##### C. Common Room:

A Common Room is the primary facility required for the girl students to meet to their personal needs.

File Description	Documents
Annual gender sensitization action plan	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/7.1.1 AQAR 2021-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/7.1.1 AQAR 2021-22.pdf</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/7.1.1_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/7.1.1_21-22.pdf</a>

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

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

File Description	Documents
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management**

#### **Solid Waste Management**

##### **Bio Degradable**

- The food waste of the mess facility is collected and given to the pig farm.
- The institute prides itself on a well-kept campus that is possible because of good waste management practices.
- In our college, the biogas plant is installed in the mess

##### **Non-Degradable Waste**

Usage of Plastics is banned inside the campus and awareness on the same has been widely publicized. All packaging related

plastics are handed over to third party vendors who are capable of recycling.

#### Liquid Waste Management

- The sewerage facility is maintained periodically

#### Water Recycle System

A waste water treatment plant has been installed with a capacity to process 50000 liters of waste water.

#### Bio Medical Waste Management

- Sanitary Napkin Incinerators have been installed within the premises to promote hygiene

#### E-Waste Management

- While we upgrade the Electronics equipment, we exchange the old equipment with supplier
- We provided printer and Low configuration computer systems to government schools nearby to enhance learning experience of school students

#### Hazardous Chemicals and Radioactive Waste Management

The hazardous chemicals used in our Chemistry Labs are stored in a locked room and is operated on a lock and key basis. The campus does not generate any radioactive waste.

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

**7.1.4 - Water conservation facilities available in the Institution: Rain water**

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

harvesting Bore well /Open well recharge  
Construction of tanks and bunds Waste  
water recycling Maintenance of water  
bodies and distribution system in the  
campus

File Description	Documents
Geo tagged 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
Geo tagged 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 are regularly undertaken by the institution

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities**

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



File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<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>

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

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

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**Initiatives Towards Cultural, Regional Tolerance and Harmony**

- The institution consciously recognizes diversity in language, religion and other societal diversity by means**

of celebrating a variety of events, and festivals.

- The institution encourages religious tolerance by maintaining harmonious atmosphere through celebration of various religious festivals.
- The celebrations of events like Tamil New Year, Telugu New Year, Onam etc. are also proof of the diversity in the composition of students, faculty members and non-teaching staff.

#### Communal and Socio Economic Initiatives

- The institute provides scholarships for deserving socially and economically backward community students.
- The institute reaches out to rural students in the neighboring districts including tribal students in hilly areas to sensitize them about the need to complete their higher secondary schooling and to take up higher education.
- In Tamil Nadu, more than 100 government school students who underwent NEET online coaching using the content developed by Kathir College of Engineering faculty qualified in the NEET exam.
- Blood donation camp is organized every year where students and faculty contribute for the noble cause of serving society voluntarily.

#### Linguistic inclusiveness

- Kathir College of Engineering admits students from neighboring and other states. This diversity encourages diversity of language and its culture within the campus

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

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

Kathir College of Engineering has arranged programs regularly inviting students and employees to sensitize them on their constitutional obligations: values, rights, duties and responsibilities.

#### VOTER'S AWARENESS PROGRAM

The National Social Service (NSS) wing, Youth Red Cross (YRC) wing and Unnat Bharat Abhiyan (UBA) wing of the institute have jointly conducted a public procession on 16th February, 2022 in the neighboring Sulur town panchayat to spread awareness among the public on the need to exercise 100% voting. The procession was flagged off by the Coimbatore District Election Observer in the presence of the college

Chairman, Secretary and Principal.

#### NATIONAL SCIENCE DAY

National Science Day has been observed in our college every year as well as on 28th February, 2022.

Students presented posters, and demonstrated working models to mark the occasion.

#### INTERNATIONAL WOMEN'S DAY

International Women's Day has been celebrated in our college every year as well as on 8th March, 2022.

The celebrations featured competitions in drawing, cooking, singing, and dancing for faculty members and students.

**WORLD RED CROSS DAY**

The institute has organized blood donation camps in association with registered public charities and other service agencies every year as well as on 7th May, 2022 to mark the World Red Cross Day. Students and staff came voluntarily and donated blood for need in emergencies.

The institute observes INTERNATIONAL YOGA DAY, TEACHER'S DAY, REPUBLIC DAY, INDEPENDENCE DAY every year

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/7.1.9_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/7.1.9_21-22.pdf</a>
Any other relevant information	<a href="http://kathir.ac.in/wp-content/uploads/AQAR/7.1.9_21-22.pdf">http://kathir.ac.in/wp-content/uploads/AQAR/7.1.9_21-22.pdf</a>

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

**A. All of the above**

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 programs 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

Our college celebrates National and International days enthusiastically of the academic year 2021-2022. All staff members and students gather in the college to celebrate these days. Every culture has number of festivals and celebration has become a vital activity. Celebration of cultural and constitutional festivals is integral part of college's co-curricular activities. Throughout session different days are celebrated by students with guidance of faculty which help them to know about different cultures and to cognitively imagine India as a nation. The academic calendar is brimming with important events which show enthusiasm of this institution in celebrating many national as well as international days and commemorative events and festivals.

The National Sports Day in India is celebrated on 29 August, on the birth anniversary of hockey player Major Dhyan Chand.

International Mother Earth Day highlights the healthier our ecosystems are, the healthier the planet - and its people. Restoring our damaged ecosystems will help to end poverty, combat climate change and prevent mass extinction.

National Science Day highlights the significant role of science in society and the need to engage the wider public in debates on emerging scientific issues.

Pongal festivals, it is basically a harvesting festival or it can be considered as the 'thanksgiving' festival' because this festival is celebrated to thank the Sun God and Lord Indra for helping farmers in getting better-yielding crops.

The theme of National Voters Day is making Elections Inclusive, Accessible and Participative.

Thus, our college celebrates National and International days in an effective manner.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

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

The institute follows best practices which have emanated from solving the challenges faced in its key processes.

### Best Practice 1 - Title

Tech Enabled Teaching and Learning for performance assessment of Individual

#### Students

The institute has harnessed artificial intelligence driven capabilities like auto valuation of edutech platforms to enhance teaching learning outcomes for the students.

### Best Practice 2 - Title

Generating public visibility, curiosity and good will for the institution by conducting events open to the public free-of-charge

The institute conducts events in house and outside campus to enhance visibility, generate curiosity and good will by conducting activities, programs free of charge to the public.

File Description	Documents
Best practices in the Institutional website	<a href="https://kathir.ac.in/wp-content/uploads/2023/Best_Practices_of_KCE.pdf">https://kathir.ac.in/wp-content/uploads/2023/Best_Practices_of_KCE.pdf</a>
Any other relevant information	<a href="https://kathir.ac.in/wp-content/uploads/2023/Best_Practices_of_KCE.pdf">https://kathir.ac.in/wp-content/uploads/2023/Best_Practices_of_KCE.pdf</a>

### 7.3 - Institutional Distinctiveness

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

To provide students practice based, artificial intelligence enabled learning experience

#### Designing of the system

- The institution has set its eye on preparing students for their career and the community at large by giving them the practice based, technology enabled learning experience.
- This entails the faculty members to augment the traditional teaching learning materials with online content.
- The Tech enabled platform was equipped with interactive tools.
- The contents of the practice sessions were designed to match the industry requirements apart from the prescribed syllabus.
- The students were exposed to topic wise challenging questions in line with Bloom's taxonomy.

#### Assessment of the students

-The practice sessions are instantly assessed by artificial intelligence driven platform which gives our students immediate feedback on their individual and relative learning performance thereby motivating them to achieve higher levels of learning.

#### Performance of the students

- The artificial intelligence enabled platform provides an instantaneous longitudinal digital profile of the student's

performance in the practice sessions.

- This provides a real time report of the students to the faculty. This was also shared with the stakeholders ( students, parents and management).

- The LDP (longitudinal digital profile) data is used by the placement office for their placement and training operations.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

1. Institution level Plan - To get NAAC accreditation with higher grades - Devising the roadmap to attain autonomous status with milestones to be achieved 2. Enhanced outcomes from Teaching - learning process - Extra classes are to be conducted to bridge the skill gap due to covid situation. - To provide additional assessments to enable the transition from online to offline mode. - Guiding students to achieve Anna University academic ranks 3. Creation of new Centres of excellence - To plan and establish COE in the areas of Artificial intelligence, Robotics and Renewable energy 4. Personality development - To improve communication skills of students from rural background - To encourage and train students to compete and win prizes in university sports events 5. Research and development - Increasing research publications in indexed journals 6. Skill development of faculty members and students - Student development program and Hands on sessions on latest technical topics etc., to help them in their placements 7. Faculty development programs for skill upgradation . - sponsoring faculty members to attend FDPs, STTPs