YEARLY STATUS REPORT - 2023-2024

Part A	
Data of the Institution	
1.Name of the Institution	Jyothi Engineering College
• Name of the Head of the institution	Rev.Dr.Jose Kannampuzha
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04884259000
• Mobile no	9447870275
• Registered e-mail	info@jecc.ac.in
• Alternate e-mail	iqac@jecc.ac.in
• Address	Jyothi Engineering College, Jyothi Hills,Vettikkattiri(Po)
• City/Town	Cheruthuruthy-Thrissur.
• State/UT	Kerala
• Pin Code	679531
2.Institutional status	
• Affiliated /Constituent	Affiliated College
• Type of Institution	Co-education
• Location	Rural

	• Financial Status	**Self-financing**
	• Name of the Affiliating University	**A.P.J Abdul Kalam Technological University-Kerala,695016**
	• Name of the IQAC Coordinator	**Dr. ANOOP V**
	• Phone No.	**04884259000**
	• Alternate phone No.	**9846282142**
	• Mobile	**9895837646**
	• IQAC e-mail address	**iqac@jecc.ac.in**
	• Alternate Email address	**vanoop@jecc.ac.in**
3.Website address (Web link of the AQAR (Previous Academic Year)		https://jeccac.in/IQAC/Naac/aqar_report
4.Whether Academic Calendar prepared during the year?		**Yes**
	• if yes, whether it is uploaded in the Institutional website Web link:	https://jeccac.in/IQAC/iqac_admin/assets/home_img/Academic_Calendar_2023-20241.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B+**	**2.54**	**2016**	**16/09/2016**	**15/09/2021**
Cycle 2	**A**	**3.12**	**2022**	**26/04/2022**	**25/04/2027**

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

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Aswathy Wilson	CERD-Student Project	Centre for Engineering Research and Development (CERD) of APJ Abdul Kalam Technological University (KTU).	2024, 6 Months	50000
Sr Jesna Catherine	CERD-Student Project	Centre for Engineering Research and Development (CERD) of APJ Abdul Kalam Technological University (KTU).	2024,6 Months	18500
Anto ZachariaS	CERD-Student Project	Centre for Engineering Research and Development (CERD) of APJ Abdul Kalam Technological University (KTU).	2024,6 Months	32500

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	4	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been	Yes	

uploaded on the institutional website?		
• 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)

Conducted four internal academic audits (two each in the odd and even semesters) to ensure adherence to academic schedules, syllabus completion, and quality enhancement.

Organized a faculty development programme titled "Academic Retreat" to strategize and plan activities for the upcoming academic year.

Collected and analyzed various stakeholder feedbacks, including faculty feedback by students, facility feedback, and the Student Satisfaction Survey (SSS), implementing actionable improvements based on the findings.

Facilitated the application for autonomy status from UGC on 15th July 2024, demonstrating a commitment to academic independence and curriculum flexibility.

Collaborated with DQAC to conduct question paper scrutiny, ensuring alignment with learning outcomes, syllabus coverage, and examination standards.

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
Conduct four internal academic audits (two in the odd semester and two in the even semester) to evaluate adherence to academic schedules and syllabus completion.	Four academic audits were successfully conducted, leading to recommendations for improvement and enhanced academic performance.
Organize a faculty development programme titled	The Academic Retreat was conducted, providing a platform for strategic planning and fostering innovative teaching and research practices among faculty members.
Collect and analyze feedback from stakeholders, including faculty feedback by students, facility feedback, and the Student Satisfaction Survey (SSS).	Feedback was thoroughly analyzed, and actionable improvements were implemented to enhance teaching quality, infrastructure, and overall student satisfaction.
Apply for autonomy status from the University Grants Commission (UGC) to achieve academic independence and curriculum flexibility.	Application for autonomy status was submitted to UGC on 15th July 2024, marking a significant step toward academic enhancement.
Conduct question paper scrutiny in collaboration with the Department Quality Assurance Committees (DQAC) to ensure quality and alignment with learning outcomes.	Question paper scrutiny was successfully completed, ensuring alignment with curriculum objectives and maintaining high academic standards.

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

- Name of the statutory body

Name	Date of meeting(s)
College Council	17/12/2024

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022-23	**30/03/2022**

15.Multidisciplinary / interdisciplinary

In alignment with the National Education Policy (NEP) 2020, Jyothi Engineering College is embracing multidisciplinary and interdisciplinary education. Plans are underway to introduce programs such as management studies and business administration. Reflecting NEP's vision of holistic learning, the institution encourages students to engage in interdisciplinary projects, particularly focusing on solving real-world social issues through project-based learning and final-year initiatives. The college is also advancing its research capabilities with preliminary studies in its Bio-Fuel laboratory, exploring biofuel potential in water hyacinth. Additionally, it seeks to strengthen research and educational outcomes through proposed collaborations with medical colleges, nursing institutions, and centers for special education, fostering a well-rounded approach to education and innovation.

16.Academic bank of credits (ABC):

Affiliated with A.P.J Abdul Kalam Technological University-Kerala, Jyothi Engineering College operates under a credit-based system. Faculty members play a proactive role in shaping the syllabi for their respective courses at the university level. The assessment process for these courses is governed by the university, which formulates the assessment tools and designs assignments, tests, quizzes, and projects to evaluate the students' progress and understanding.Institute is registerd under ABC (NAD097886)

17.Skill development:

Jyothi Engineering College has strategically developed a range of add-on courses aimed at enhancing students' skills across various domains. The Tata integrated industrial incubation center(Tata IIIC) functioning on campus plays a pivotal role in rendering students job-ready by offering high-end and industry specific training programs. These training initiatives are meticulously designed in collaboration with Tata Technologies Ltd. and other industry partners. Furthermore, the college is actively engaged in global collaborations with foreign universities, including Pelita Bangsa University in Indonesia, and Cracow University in Poland. These partnerships contribute to fostering an international perspective and enriching the academic experience for Jyothi Engineering College students.

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

The faculty members at our institution adopts a bilingual approach during classroom delivery, incorporating vernacular language alongside English, whenever necessary, despite English being the primary medium of instruction. This inclusive method enhances communication and understanding among students. In a commitment to promote Indian language and culture, the campus hosts various clubs dedicated to these aspects. Moreover, the institution collaborates with Kerala Kalamandalam, a renowned deemed university and premier public institution situated in close proximity. Kerala Kalamandalam specializes in the preservation and promotion of Kerala's traditional performing arts. The expertise from Kerala Kalamandalam is harnessed to integrate Indian culture and arts into the academic fabric of our institution. This collaboration adds a unique and culturally enriching dimension to the educational experience.

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

All programs offered by Jyothi Engineering College adhere to the principles of Outcome-Based Education (OBE). Each program boasts well-defined Program Outcomes (PO), Program Specific Outcomes (PSO), and Program Education Objectives (PEO). These are systematically addressed through the teaching-learning process and additional programs conducted within the institute. Within the curriculum, individual courses articulate specific Course Outcomes (CO), intricately mapped to overarching POs and PSOs. The design of assessment tools is meticulously aligned with the requirements of these POs. Various activities and programs are organized throughout the institute to effectively achieve the stated POs. At the conclusion of each semester, departments conduct a thorough analysis of the attainment of POs and PSOs. In addition to the NAAC Accreditation, it's noteworthy that all eligible undergraduate programs at Jyothi Engineering College hold accreditation from the National Board of Accreditation (NBA), further emphasizing the institution's commitment to maintaining and enhancing the quality of education provided.

20.Distance education/online education:

Jyothi Engineering College operates under the affiliation of A.P.J Abdul Kalam Technological University-Kerala. According to the university guidelines, traditional lectures and practical sessions are typically conducted in offline mode. However, in response to the challenges posed by the Covid-19 pandemic, the institution has seamlessly transitioned from traditional classroom teaching to a

blended learning approach. Utilizing Google Classrooms, the college efficiently manages course delivery and evaluation processes. All course materials, including syllabi, PowerPoint presentations, and lecture notes, are readily accessible on Google Classroom. Assessments for courses are conducted through online assignments and quizzes, with the use of campus management software facilitating the administration of multiple-choice tests. Online sessions, conducted and recorded on Google Meet, have become integral to the learning process. Various student activities are also organized through online platforms, primarily using Google Meet. Additionally, minor and Honours courses are delivered through dedicated online platforms, ensuring continuity and accessibility in the face of changing circumstances.

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**548**

File Description	Documents
Data Template	[View File](#)

2.Student

2.1 Number of students during the year	**1722**

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

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**201**

File Description	Documents
Data Template	[View File](#)

2.3 Number of outgoing/ final year students during the year	**465**

File Description	Documents
Data Template	View File

3.Academic

3.1	**132**
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	**121**
Number of sanctioned posts during the year	

File Description	Documents
Data Template	View File

4.Institution

4.1	**38**
Total number of Classrooms and Seminar halls	

4.2	**955.83**
Total expenditure excluding salary during the year (INR in lakhs)	

4.3	**749**
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 college follows a curriculum prepared by APJ Abdul Kalam Technological University to which the college is affiliated practices a significant degree of decentralization and its academic administration is organised in the form of clusters which has significant autonomy in designing and developing curriculum.This

college has devised various strategies to ensure outcome based learning and for strengthening our teaching learning process. These are mentioned below,

- Class / Course / Advisory Committee.
- Course delivery as per lesson plan
- Student's feedback
- PTA meetings
- Course files preparation.
- Class wise Students Mentoring system
- The academic calendar, semester plan and time table are circulated and lesson plans are prepared
- . To maintain quality, the internal exam question papers are approved by the IQAC before sending it to exam cell.
- The central /department/digital libraries with e-books is available to both students and faculty members.
- Language Lab, Fab lab, Startup Center, IIIC, Technolgy Businesss Incubator, facilites areavailable for both students and faculty members
- . Various FDPs on recent updates in technology conducted by eminent experts from academic and industrial fields.
- Add-on/ NPTEL courses/ Invited talks/ MOOC courses/Webinars help the students to get sound information about the recent activities in the world and can thus improve their skills.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/1.1.1_Additional_Documents_2023-24.pdf

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

As quality enhancement is a continuous process, the Internal Quality Assurance Cell (IQAC) will become a part of an Institution's system and work towards realizing the goals of quality enhancement and sustenance. The prime task of IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of institutions.

IQAC will make a significant and meaningful contribution in the post accreditation phase of institutions. During the post accreditation period, the IQAC will channelize the efforts and measures of

aninstitution towards academic excellence.

The primary aim of IQAC is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution and to promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

IQAC evolves mechanisms and procedures for

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks.
- The relevance and quality of academic and research programmes.
- Equitable access to and affordability of academic programmes for various sections of society.
- Optimization and integration of modern methods of teaching and learning.
- The credibility of evaluation procedures.
- Ensuring the adequacy, maintenance and proper allocation of support structure and services

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://jeccac.in/IQAC/

1.1.3 - Teachers of the Institution participate in A. All of the above
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

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

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

18

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

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

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

5

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

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

378

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

Jyothi Engineering College has taken impressive efforts to integrate cross cutting issues such as Gender, Environment and Sustainability, Human values and Professional Ethics wherever possible into the curriculum and more often by other indirect means.

Gender:

Gender equality, equality between men and women, entails the concept that all human beings, both men and women, are free to develop their personal abilities and make choices without the limitations set by stereotypes, rigid gender roles and prejudices.

* Jyothi ensures that equal opportunity is given to both genders in terms of admissions.
* Women Development Cell(WDC).
* Institution ensures equal representation of students (both genders) in students union, course committee, class committee etc.

Environment and Sustainability:

The following are some of the initiatives towards integrating environment andsustainability into the curriculum:

* Natura Club Centre for Water Research and Education(CWRE)
* Rain water harvesting facility with a pond of size 50m x 20m x 10m storage capacity.
* Grid connected Solar roof panel of 63.7kW power supply.

Human Values and Professional Ethics:

Jyothi is committed to provide quality education in engineering and technology, to transform youth into committed technical personal for social and economical well being of nation with integral development

of the personality and character building.Newly joined faculty members are undergoing FDP's on Universal Human Values prescribed by the AICTE.

File Description	Documents
Any additional information	[View File](#)
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	[View File](#)

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

390

File Description	Documents
Any additional information	[View File](#)
Programme / Curriculum/ Syllabus of the courses	[View File](#)
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	[View File](#)
MoU's with relevant organizations for these courses, if any	[View File](#)
Institutional Data in Prescribed Format	[View File](#)

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

930

File Description	Documents
Any additional information	[View File](#)
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	[View File](#)

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://jeccac.in/IQAC/iqac_admin/assets/home_img/1.4.1_Feedback_Reports_23-24.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://jeccac.in/IQAC/iqac_admin/assets/home_img/1.4.1_Feedback_Analysis_23-24.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

432

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

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

92

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

2.2 - Catering to Student Diversity

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

The institution has an effective student centric mechanism for continuous monitoring and evaluation of the students' performance for both slow and advanced learners. Advanced learners Advanced learners are encouraged, motivated and advised by the staff members to excel in their academics by providing them with all the support needed.

The following special programs are carried out to encourage advanced learners to enhance their overall personality development.

- University Toppers are felicitated for academic excellence.
- Motivated to carry out innovative projects and to participate in various events.
- Encouraged to publish papers in Conferences and Journals.
- Encouraged to join B. Tech Honours and additional certification programmes.
- Motivation through Scholarships.

Slow learners

The Institute practices a robust student academic counselling process to encourage slow learners for better performance. The following special programs are carried out.

- The institution has an effective mentoring system to identify the nature of their problems.
- Remedial classes are provided for slow learners.
- Faculty members prepare a university question bank for each subject and discuss ways of presenting answers in the university examination.
- Parents are intimated the progress of their wards on regular basis by the class tutors.

File Description	Documents
Paste link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.2.1.Programmes_for_advanced_learners_slow_learners_2023_24_.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1722	132

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Our college practices a teaching methodology which focuses on imparting education through a student centric approach which empowers students, shifting them from passive recipients to active and engaged participants.

EXPERIENTIAL LEARNING

Project work and workshops serve as tangible experiences through which students gain an understanding of the responsibilities associated with the engineering profession. These activities enhance their technical skills and gain valuable practical exposure. We encourage students to participate in industrial visits and internships. Moreover, talks by both academic and industry experts to keep students informed and to foster closer connections between the academic world and industry.

PARTICIPATIVE LEARNING

We promote active knowledge exploration among students through seminars, fostering participative learning. Professional organizations host technical events to further develop the technical

skills of our learners. We also encourage students to engage in a variety of certification courses, facilitating self-directed learning. Placement Department Cell offers career guidance programs aimed at enhancing students' overall personality development.

PROBLEM SOLVING METHODOLOGIES

Our educational approach places a strong emphasis on nurturing students' problem-solving skills, actively involving them in hackathons, and coding competitions to fuel their growth. We employ the discussion method fostering an environment where students are encouraged to think broadly and participate actively.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.3.1_Student_centric_methods_2023_24.pdf

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

JECC uses ICT enabled tools for: effective teaching - learning process, to implement new teaching techniques, to help students work collaboratively in the learning process. Teachers use different trusted online resources to enhance teaching- learning process. The following methods are adopted:

1. Multimedia Teaching Aids: Faculty utilizes multimedia tools such as LCD projectors, videos, PowerPoint presentations (PPTs), and simulations within classrooms, creating an immersive and engaging learning environment. Google Classroom is leveraged for efficient course management and sharing relevant information.

2. Well-Equipped Facilities: Classrooms and laboratories are equipped with LCD projectors, computers, laptop connectivity, and UPS systems, ensuring seamless access to digital resources.

3. Resource Integration: Faculty members actively incorporate ebooks, technical magazines, and academic journals to keep students engaged and informed during classroom sessions.

4. Robust Internet Infrastructure: JECC provides high-speed internet access with a 300 Mbps bandwidth, ensuring students and faculty can easily access online resources.

5. Digital Resources: The institution houses a dedicated computer laboratory and digital library, granting students access to an array of lectures and study materials for self-paced learning.

6. Personalized Connectivity: Individual laptop and mobile device access to the internet is facilitated through MAC-ID based Wi-Fi, offering students flexibility in their learning.

7. Campus Automation: Academic-related activities are streamlined through the Campus automationsoftware, accessible to students for easy tracking and management of their educational journey.

File Description	Documents
Upload any additional information	[View File](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	[View File](#)

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

81

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	[View File](#)
Circulars pertaining to assigning mentors to mentees	[View File](#)
Mentor/mentee ratio	[View File](#)

2.4 - Teacher Profile and Quality

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

132

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

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

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

36

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

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

2.4.3.1 - Total experience of full-time teachers

1046.58

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

The following actions are taken for the transparent and robust evaluation of the students:

- Academic calendar is prepared as per the university calendar for every semester that includes the schedule for internal assessment.
- Notifications from the university regarding the assessment are circulated among students, faculty, and staff through notice boards,in college handbooks and is published in campus automation software etlab.
- As per the regulations of affiliating universities, two internal assessments are conducted every semester and the schedule is communicated to the students.
- The internal assessment question paper pattern standardized by IQAC is circulated among the faculties.
- 2 sets of question papers are prepared for each subject based on Course outcomes as per the guidelines issued by the IQAC and are scrutinized by the DQAC. Corrections/Modifications if any are communicated to the concerned faculty members via email. The IQAC finally selects one of the submitted papers.
- The selected question paper is printed by the internal examination cell and the exam will be conducted as per the schedule.
- Answer scripts are returned within a week from the exam date and the student can approach the teachers for any clarifications.
- The mark list for Internal Assessment is displayed in the department notice board and is also published in the etlab software.
- The final internal marks are entered in the University portal within the stipulated time period.
- The academic performance of each student is maintained in the respective Departments and the same is communicated to parents through posts/SMS.

File Description	Documents
Any additional information	View File
Link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.5.1_Mechanism_Of_Internal_Assessment.pdf

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

At the College Level:

- The internal assessment is completely transparent following

the university guidelines strictly. Internal assessment tests are conducted twice every semester.

- Consolidated internal test marks are published on the Department notice board and in the etlab software.

- Any grievance on internal marks can be communicated to the faculty. If not resolved, the students can approach the Head of the department and then the institution's Grievance Redressal Committee.

- At the end of semester, internal assessment marks are uploaded to the university portal.

- As per university norms, 75% attendance is mandatory in each course to attend the end semester examination.A relaxation up to 60% is available to those with documented medical reasons.

At the university level:

Students can express grievances by following the revaluation procedure:

- If the students are unhappy with the final marks, they can apply for revaluation through the examination cell.

- The students can obtain a photocopy of their answer sheets.

- The revaluation fee is reimbursed by the University if there is an improvement in marks by 15%.

- Grievances like missing data in question papers, questions outside the syllabus, toughness of the question paper etc., are communicated to the Controller of Examinations through concerned faculty on the day of examination.

File Description	Documents
Any additional information	[View File]
Link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.5.2_Mechanism_To_Deal_With_Examination_Related_Grievances_(1).pdf

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.

The institution has adopted the Outcome Based Education (OBE) in its teaching, learning and evaluation process and strives for continuous improvement.

The Program Outcomes (POs) defined by the National Board of Accreditation (NBA) are common for all programs across departments. The Program Specific Outcomes (PSOs) are framed by the respective department through brainstorming in the Department Assessment as well as Advisory Committee. The Course Outcomes (COs) are defined in the syllabus of each subject.

Consequently, Program Outcomes, Program Specific Outcomes, and Course Outcomes for all the programs offered by the institution are stated and displayed on the college website-department wise, from the first year to the fourth year for communicating with teachers, students, and other stakeholders.

Mechanism of Communication:

PO'sand and PEO's for a particular program are stated displayed and communicated in various ways such as:

1. Displayed in the departmental web page of the institutional website , Laboratories, Students Lab Record.

2. Displayed in classrooms, Staff rooms, and in the rooms of HOD's.

3. Displayed in the departmental library & notice boards

4. Incorporated in Campus Automation software

5. Communicated in class committee meeting

6. Course Outcomes are displayed in Lesson plan, Lab records, internal exam question papers and course file.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.6.1.Dissemination_Of_CO_PO_PSO2023-241.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

The institution evaluates its POs and PSOs by the following ways.

1.Direct assessment method

2.Indirect assessment method

DIRECT ASSESSMENT METHOD

The departments under this institution conduct four internal examinations and two assignments to assess the attainment of the course outcomes (CO) and in turn contributes to the attainment of the programme outcomes (PO) and Programme Specific Outcomes (PSO).

Attainment of PO's using direct assessment method is done by calculating the weighted average of COs attained using the CO-PO mapping of all courses.

To facilitate continual improvement in attainment of COs, target levels are set for each CO by the faculty based on the previous student performance and nature of the course.

INDIRECT ASSESSMENT METHOD

PO attainment using the indirect assessment method includes the following ways:

1. Exit Surveys are conducted on the passed out students in each academic year

2. The co-curricular activities of students

3. Feedback obtained from the workshops and seminars conducted to bridge the gap between the curriculum and POs.

4. Alumni Survey

The overall PO attainment can be calculated by assigning appropriate weightages to the direct and indirect assessment methods.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.6.2._Attainment_of_POs_and_COs_2023-24.pdf

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

322

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.6.3.Result_Analysis_2023_241.pdf

2.7 - Student Satisfaction Survey

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

https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.6_Survey_Result-Student_Satisfaction_Survey_(SSS)_May_2024.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)

`1.01`

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

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

`17`

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

`3`

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	http://103.251.43.87/index.php/ml/home-mainmenu-4/69-english-category/institutions-programmes/cerd/340-about-cerd

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

JECC has established a vibrant ecosystem dedicated to innovation, knowledge transfer, and holistic student development. Anchored by a proactive Research and Development (R&D) Cell, the institute fosters faculty engagement in research projects, publications, and Intellectual Property Rights (IPR). This commitment extends to the Innovation and Entrepreneurship Development Cell (IEDC), where students are actively encouraged to cultivate entrepreneurial skills, promoting a forward-thinking mindset.

The Technology Business Incubator (TBI) acts as a catalyst for converting technological ideas into commercially exploitable products and services. Operating since 2009, the Fab Lab, supported by KTU and KSUM, offers widespread access to cutting-edge investigative tools.

JECC's library, housing over 40,000 books, serves as a vital resource hub. With IP-enabled access to E-books and E-Journals, it supports research activities, enhancing the academic landscape. The institute's dedication to creating a conducive environment for learning and innovation is underscored by its collaborative initiatives and forward-looking approach, positioning JECC as a hub for academic and entrepreneurial excellence.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jeccac.in/Consultancy

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

10

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

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

24

File Description	Documents
URL to the research page on HEI website	https://jeccac.in/Consultancy/Research/research
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

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	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

24

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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

The institute's visionary commitment to sustainable livelihoods and community well-being is evident in its focus on fostering social responsibility and ethical leadership among students. By integrating community service into its ethos, the institute molds engineers who are not only technically proficient but also socially conscious. Acknowledging the importance of social awareness, the institute incorporates relevant courses like Environmental Science into its engineering curriculum. Beyond academics, initiatives promoting gender equality and inclusivity, such as Women's Day celebrations, showcase a commitment to societal harmony. Outreach programs prioritize marginalized communities, emphasizing social responsibility and ethical engagement. The institute's strong connection with the local community is exemplified through voluntary participation in national initiatives like Swacchh Bharat cleanliness drives and tree plantation efforts, demonstrating a dedication to environmental consciousness. Disaster preparedness workshops and awareness campaigns further contribute to shaping

responsible citizens. Extension activities provide students with experiences beyond the classroom, fostering a sense of social responsibility and community engagement. Initiatives like Blood Donation Drives and Thalassemia Awareness Workshops exemplify the institute's dedication to holistic development. In conclusion, the institute's holistic approach to education, emphasizing sustainability, social responsibility, and community engagement, produces engineers equipped not only with technical skills but also with values necessary for meaningful societal contributions. This commitment reflects a vision of ethical engineers working in harmony with nature and actively contributing to societal well-being.

File Description	Documents
Paste link for additional information	https://jeccac.in/Home/JecNews/jecnews
Upload any additional information	View File

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

10

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

16

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

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

96

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

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

210

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

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

19

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution provides sufficient amenities as per the norms of AICTE and APJ Abdul Kalam Technological University. As per the requirement, the management has provided and enhanced the infrastructure of the institution from time to time. The institution is spread across 38.36 acres campus with abundant green landscape with 35621.45 m2 built up carpet area and is located in the Thrissur District of Kerala which is easily accessible to the public through train and bus. The institution has 33 class rooms and 5 seminar halls with ICT enabled facilities, 41 Laboratories and a central workshop. The laboratories are equipped with adequate number of equipment and machines. The institution has an auditorium with a seating capacity of 850 and an Amphitheatre having a capacity of 1500. The institution has 960 computers, networked through Optical Fibre, Ethernet and Wi-Fi. The institution has upgraded its internet speed to 520 Mbps. The institution has a fully automated library with 95 journals, 39039 volumes 13274 titles and 2066 CD-ROMs. The institution provides hostel facilities and transportation facility for both students and staff from various locations. The additional facilities provided by the institution are FAB LAB, IIIC, TBI etc.

File Description	Documents
Upload any additional information	<u>View File</u>
Paste link for additional information	<u>https://jecc.ac.in/documents/iqac/photos/?page=class_rooms</u>

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

The role of physical activities such as athletics, games, weight training etc. will be helpful for one's personality development and good health. We have excellent facilities to conduct different sports and games with good standards and it will be a good experience for our students. All these facilities are provided and easily accessible to the students in the college compound

.Football Ground - We have a football field with a measurement of 100-meter length and 70-meter width and inside the field.

Basketball - We have a dedicated Physical Education teacher and one basketball court of 28m X 15m with acrylic fibre glass backboard with safety padding.

Table Tennis - We have some experienced professional players and an ITTF standard table to help the improvement of players in every aspect

Chess - We are giving facilities like chess boards and black white pieces. Students are practice this game and also doing participation in intercollegiate zonal games.

Handball - The College campus has a handball court with natural grass which is 40 meter in length and 20 meter in width.

Cultural Activities - We have our own Dance Club, Music Club and College band functioning in our college to enhance the student talents in performing arts.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jeccac.in/Department/AuxiliariesController/physical_education

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

38

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jecc.ac.in/documents/iqac/photos/?page=seminar_halls
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

183.03

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

Jyothi Engineering College Central Library has an area of 1028.91m2 and is housed in the administrative block spanning 2 floors. The library consists of 95 journals, 39039 volumes 13274 titles and 2066 CD-ROMs. Library is automated using in house developed library management software. Books are classified according to DDC and the status of a book can be identified by searching Online Public Access Catalogue (OPAC). The library provides IP enabled access to E-books from Wiley Online Library and E-Journals in Engineering & Technology such as IEEE ASPP Online Tier 3, Elsevier Engineering+ Computer Science and ASME. The library has membership (Membership No. IM-1353) in Developing Library Network(DELNET) which provides access to 4,09,13,859 bibliographic records in the union catalogue of books. The request for inter-library loan can be placed through the online system. The library has 123 Web courses and 291 Video courses under NPTEL by IIT Madras. Library also has membership in National Digital Library of India (NDLI) and e-ShodhSindhu. JEC Library Digital Repository has been developed with the help of open source software, DSpace (version1.7.0).

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	https://jeccac.in/Department/AuxiliariesController/centralLibrary

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	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

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

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

19.26

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

76.71

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

Computer Labs and Central Facility There are individual computer labs for each department, complemented by a central computing facility housing 210 computers. The JEC is well-equipped with essential resources, including computers, projectors, and printers. The entire campus is seamlessly connected through Optical Fiber, Ethernet, and Wi-Fi, with 43 access points strategically configured. Presently, we enjoy a robust internet bandwidth of 520 Mbps. Computers in JEC IT Infrastructure the IT infrastructure at JECC comprises a total of 960 computers, with 749 dedicated to student academics. To enhance our capabilities, we recently added 96 new computers in the academic year 2022-23. Internet Connectivity All computers are seamlessly connected to the LAN, with two leased line internet connections providing a combined speed of 500 Mbps with a total of 44 public IPs available. Additionally, we benefit from 20 Mbps internet connectivity under NMEICT. Our commitment to security, connectivity, and productivity is evident through the consistent

measures we implement. Network Security Our network has been safeguarded by the Sophos XG 310 firewall, which we upgraded to the Sophos XGS 3100 Firewall on April 3, 2024. This upgrade ensures continued protection for our network, promoting a secure and productive computing environment.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://jeccac.in/Department/AuxiliariesController/computerCenter

4.3.2 - Number of Computers

749

File Description	Documents
Upload any additional information	[View File](#)
List of Computers	[View File](#)

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	[View File](#)
Details of available bandwidth of internet connection in the Institution	[View File](#)

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)

239.91

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

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.

Utilization & Maintenance of Lab Laboratory sessions are carried out in accordance with the schedule as per the university curriculum plan. Every year,. The final stock verification and inspection report is submitted to the management for follow up action. Library: The institution has a Library Committee which monitors the procurement and regular follow ups to ensure effective utilization of library. The final stock verification and inspection report is submitted to the management for follow up action Sport: Students are allowed to practice before and after regular class hours. Students are allowed to use the specified indoor and outdoor playing area with the proper equipments providing by the college with a prior permission of physical education teacher. Institute providing Gymnasium with a certified gym trainer on daily basis to the interested students Computers: All the departments in the institution are equipped with computer laboratories. Every department in the college has been assigned with a point of contact known as IT spoc to rectify any issue with the PCs. Classrooms The classroom allocation in accordance with class time table is done by HOD of that particular department. Maintenance is done by Project office and computer centre.

File Description	Documents
Upload any additional information	<u>View File</u>
Paste link for additional information	<u>https://jeccac.in/IQAC/iqac_admin/assets/home_img/4.1.1B_Additional_Facilities_2022_2023.pdf</u>

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

119

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

734

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

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	https://jeccac.in/IQAC/Naac/aqar_view
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

1669

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

1669

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

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

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	*View File*
Upload any additional information	*View File*
Details of student grievances including sexual harassment and ragging cases	*View File*

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

226

File Description	Documents
Self-attested list of students placed	*View File*
Upload any additional information	*View File*
Details of student placement during the year (Data Template)	*View File*

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

15

File Description	Documents
Upload supporting data for student/alumni	*View File*
Any additional information	*View File*
Details of student progression to higher education	*View File*

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

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

11

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

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	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

The college boasts a vibrant student union where representatives are democratically elected by their peers. This student government body is comprised of a Chairman, Vice Chairperson, General Secretary,

Joint Secretary, Magazine Editor, Arts Secretary, two UUCs, and year level representatives.The flagship "Tharang" techno cultural festival allows students to showcase their technical talents . The "Laya 24" arts festival is a remarkable display of youthful creativity and performance. To foster genuine sportsmanship, the union also arranges athletic competitions and games. Student participation in Onam, Christmas, Engineers Day, and Water Day celebrations further enhances the college experience and cultivates lasting memories. Beyond the student union, other campus organizations like the NSS, Natura Club, professional clubs etc.contribute to the overall development of the student body. The college's Blood Donors Forum also plays a vital role in raising awareness and coordinating blood donation drive.The college enthusiastically hosted the largest Hackathon in the world - NASA space apps challenge with record number of participants attending the event. The professional bodies in the college performs very many activities and workshops. The intracollege project competition YUKTHI - is a flagship event of JEC, aimed at nurturing innovation.

File Description	Documents
Paste link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/5.1.3_Blood_Donation_2023_2024.pdf
Upload any additional information	View File

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

68

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

5.4 - Alumni Engagement

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

Jyothi Engineering College has a registered Alumni Association (JECAA) since 2021. It has strong bonding with the alumni ever since the first batch that passed out. Their strong presence in the foreign countries has immensely helped the institution with job offers, admissions, internships and funding prospects for the discerning students. As our institution is almost two decades old, a number of alumni are in top positions in various fields. The alumni are invited for webinars / talks / workshops and these interactive sessions help the current prospective students gain a foot in the door to employability and educational opportunities in India as well as abroad. Every year we are conducting Alumni Meets and maintaining a continuous rapport with alumni members. In connection with this, football matches, Best Jyothian awards, film making competitions, Charity activities and various co-curricular activities are also conducted. We constructed Alumni corner in our campus and also submitted proposal for constructing guest house using Alumni Fund. Our alumni had over many years supported financially the well deserving students from economically poor background by providing laptops, scholarships, and endowments. Our strong JECAA aims to instil a sense of pride and loyalty in our current students, which lays the motivation as well as reward, for both the alumni and our college.

File Description	Documents
Paste link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/5.4.1__Alumni_Association_Registration_Certificate1.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)   D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

COLLEGE VISION

Creating eminent and ethical leaders through quality professional education with an emphasis on holistic excellence.

COLLEGE MISSION

- To emerge as an institution that par excellence in global standards by imparting quality engineering and other professional programs with state-of-the-art facilities.

- To equip the students with appropriate skills for a meaningful career in the global scenario.

- To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives.

- To participate in the development of society through technology incubation, entrepreneurship, and industry interaction

Jyothi Engineering College (JEC) under Trichur Educational Trust founded by the Catholic Archdiocese of Trichur started functioning at Cheruthuruthy in the year 2002. The Management strictly adheres to the recommendations of its Governing Council. The governing council meeting is convened periodically and important aspects of academic and non-academic matters are discussed and decisions are taken to benefit all the stakeholders of the system. JEC is committed to providing all requirements in curricular and co-curricular areas of Technical Education to our students and molding them to become true professionals of international standards. Faculty members are given representation in various committees/cells nominated by the college council, in the Governing body, in the IQAC, and other committees.

File Description	Documents
Paste link for additional information	https://www.jeccac.in/Home/
Upload any additional information	View File

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

Decentralization

The institution has a mechanism of providing operational autonomy to various functionaries in order to ensure a decentralized governance system.

1. Principal Level

The Principal in consultation with the college council and IQAC constitutes different committees for planning and implementing different academic, administrative, and related tasks.

2. Faculty level

Faculty members are given representation in various committees/cells, the Board of Governors, the IQAC, and other committees.

3. Student level

The functioning of different secretaries of students' unions further reinforces decentralization.

Participative management

The institution promotes participative management at the strategic level, functional level, and operational levels.

Strategic level:

The Principal, Board of Governors, College council, and the IQAC are involved in defining policies,and framing guidelines pertaining to admission, examination, discipline, grievance, support services, finance, etc.

Functional level:

Faculty members share knowledge among themselves, students, and staff members while working on a committee. Principals and faculty members are involved in joint research and have published papers in reputed journals.

Operational level:

The Principal interacts with Government, University, AICTE, UGC, and external agencies. Faculty members maintain interactions with the concerned departments of the affiliating university. Students and office staff join hands with the Principal and faculty for the execution of academic, co-curricular, and extracurricular activities.

File Description	Documents
Paste link for additional information	http://jeccac.in/IQAC/iqac_admin/assets/home_img/6.1-Hand_Book-2023_24.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

yothi Engineering College (JEC), established in 2002 under the Trichur Educational Trust, founded by the Catholic Archdiocese of Trichur, stands as a premier engineering institution in Kerala.

JEC earned NBA accreditation in 2016 for four B.Tech programs: Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, and Mechanical Engineering. In 2019, the Civil Engineering department, and in 2023 Mechatronics Engineering department also achieved NBA accreditation. As a NAAC-accredited institution, JEC follows a well-defined process to ensure objective outcomes. The college has recently applied for UGC autonomy status.

Aligned with its vision of becoming an innovation-driven institution, JEC has established the Integrated Industrial Incubation Centre (IIIC) in collaboration with TATA Technologies. The college also hosts a Technology Business Incubator (TBI) and a Fabrication Lab (FABLAB), primarily catering to students but also intended to support industries, particularly MSMEs, in Thrissur and across Kerala. Additionally, JEC's Centre for Innovation and Entrepreneurship Development (IEDC), supported by Kerala Start-up

Mission, provides a platform for student experimentation and innovation.

JEC's long-term objectives are guided by its vision and mission, emphasizing excellence, innovation, and societal contribution.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://jeccac.in/IQAC/iqac_admin/assets/home_img/6.1-Hand_Book-2023_24.pdf
Upload any additional information	View File

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.

Organizational Responsiveness

We at Jyothi Engineering College believe that institutionalagility is the capability to deal with changes that often ariseunexpectedly in our environments. In a volatile environment, wherestakeholder needs can change rapidly, decisions should be madequickly. The Jyothi Engineering College management has realized the need to create an agile organization, to face thesechallenges. As a first step, we identified our key internal andexternal stakeholder interests. We then specified the pillars onwhich our institution rests. Based onthe identification ofstakeholder needs and the pillars that support our edifice, wecreated a responsive organizational structure.

Pillar-stakeholder matrix Pillar Stakeholder ResponsibilityAcademic excellence Students, industry, faculty, competitorPrincipal Research Faculty,the research community, industry,competitor Principal Admissions Jyothi Management,industry,faculty, competitor COO Placements Students, parents,industry, competitor Director Placements Infrastructure Students,employees of Jyothi, competitor Projects Head Faculty, industry,students, competitor Faculty, industry, students, competitorDirector QA and Industry Connect Innovation/new initiativesStudents, faculty, industry, Jyothi Management, competitor COOStudent activities Students, faculty, competitor Vice PrincipalQuality assurance All internal and external stakeholders,competitor Director QA and Industry Connect

File Description	Documents
Paste link for additional information	https://www.jeccac.in/Home/Oversight/oversight
Link to Organogram of the institution webpage	https://www.jeccac.in/Home/jechome_admin/assets/policy_doc/Organogram_2023.pdf
Upload any additional information	View File

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	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The following are the welfare measures: Teaching Staff: Staff Club, Medical Leave, Gratuity, StudyLeave,Maternity Leave Medical Leave: All staff members are eligible for medical leave @ 12 days forevery completed year of service after the probation period.

Maternity Leave: All women employeesare entitled to maternity leave for a periodof 90 days. Complete monthly salary and benefits shall be paidduring the period of maternity leave.

Study Leave: Study leave shall ordinarily be granted only to the faculty whohave completed at least 3 years of service.

Non-teaching Staff: ESI, Staff Club, Medical Leave, ProvidentFund, Maternity Leave

Provident Fund: JEC is committed to complying with statutory provisions ofEmployees Provident Fund Deduction will be made from the salary ofemployees and will be deposited to the designated provident fundaccounts along with the contribution of the organization as perthe provisions of the said Act.

ESI: ESI Scheme is related to the paying capacity as a fixedpercentage of the worker's wages, whereas, they are providedsocial security benefits according to individual needs withoutdistinction.

Gratuity: Gratuity is given to an employee who has worked in thecollege for over five years.

File Description	Documents
Paste link for additional information	https://www.jecc.ac.in/documents/HR_MANUAL_V4.pdf
Upload any additional information	View File

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

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

17

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

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

1

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

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

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

88

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

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

Our Appraisal system is an attempt to standardize the system,taking note of the various activities and rendering credit to eachof the efforts. The objective at the back of this is to evaluateeverything that is done for the college community and to encourageand appreciate the same.

In an effort to recognize and reward the performance of employees,it is the organization's philosophy that the principal componentto enhance compensation shall be through annual increments based on performance evaluations. All regular employees are eligible foryearly increments based on the results of their PerformanceAppraisal conducted annually. Employees are informed in writingabout their annual increments after the Performance Appraisal.

Jyothi has incorporated the innovative practice of making theappraisal process foolproof and comprehensive. The appraisalsystem accommodates every activity each one undertakes with clearweightage and credit points. This is an exercise to acknowledgeand appreciate each one's hard work and contributions to ourcollege community which in turn, will encourage all to engage inmore creative and productive activities.

A brief note on this review and related counseling provided shallbe prepared and signed by both the employee and the HOD/Principaland maintained in the employee's personal file.

File Description	Documents
Paste link for additional information	https://www.jecc.ac.in/documents/HR_MANUAL_V4.pdf
Upload any additional information	View File

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

Internal Audit The internal audit is done by an in-house team and will carry outthe accounting procedure of internal control of finance on aday-todaybasis.Since the institution follows a good system of internalcontrol like calling quotations, comparison of rates, preparationof purchase orders for each and every requirement needed,andpreparation of wage sheets, all the employee benefits are vouchedfor conducting and participating in conferences, facultydevelopment programs,etc.No expenses are incurred without properapproval or sanction by the head of the institution or head of thevarious departments.

External Audit The institution also has an external audit mechanism

carried outby Abraham and Jose Chartered Accountants. This statutory auditoraudits the annual account and examines on a test basis evidencelike fee collection with the approved list of students on suchverification any discrepancies will be discussed and sorted out with the management. Once all financial transactions are accountedfor, based onfinancial statements like balance sheets and Incomeand Expenditure Statements are prepared for the financial year.Such financial statements will be signed and approved by theAuditor and Management. Based on the audited financial statements, the auditor will issue a Final Audit Report.

File Description	Documents
Paste link for additional information	http://jeccac.in/IQAC/iqac_admin/assets/home_img/6.4.1-Financial_Statement_upto_2024_march.pdf
Upload any additional information	**No File Uploaded**

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

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

0.58

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

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

Jyothi Engineering College is a private self-financing EngineeringCollege and it has only limited scope for raising funds. Theinstitution doesn't have either grants or aid from the Governmentor University. It is the responsibility of the Management ofJyothi Engineering College to find out the source of financialresources.

An important source of financial resources is student feecollection. The state fee regulatory commission has decided the fee structure of the B. Tech program and the college is collecting fees based on the guidelines of the fee regulatory commission and within the framework of the agreement signed between theGovernment of Kerala and Kerala Catholic Engineering CollegeManagement Association. The surplus of the fee income is used forthe development of the college.

Jyothi Engineering College has been utilizing its variousresources for various activities since its inception. One of the mainresources that have been utilized in this institution isthe Computer Centre. For the last five years, these have been usedfor various exams and training like GATE, JIPMER, RRB, SBI, TCSION CUSAT, JEE, JNU, ICAR, UGC NET, CSIR, ICAI CAT, etc. Many students andtrainees have benefited from this for the last fewyears.

File Description	Documents
Paste link for additional information	http://jeccac.in/IQAC/iqac_admin/assets/home_img/6.4.1-Financial_Statement_upto_2024_march.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

The institution has an active IQAC committee that looks into theproper functioning and quality of output of the differentactivities undertaken. Twosetsof question papers are presented forinternal examinations from which the IQAC can select one for anygiven exam.

The R&Ddepartment isformed to encourage innovation and toharmonize the research activities of the various disciplines inthe institute.R&D takes every initiative to support and encouragefaculty members to apply for research projects to differentfunding agencies (Govt./Non-Govt.), for Research Promotion Scheme,and other projects. Initiatives are taken to organize differentFaculty Development Programs, Technical Workshops,and National andInternational Conferences forthe transferof knowledge among thestudents and faculty members. R&D supports research publication ofthe faculty in peer-reviewed, UGC-approved journals and conference proceedings. Financial support & rewards are offered to thosefaculty who present

papers at National and InternationalConferences and Seminars and to those who publish papers inreputed National and International Journals. R&D initiated JyothiResearch Fellowship programs to encourage Talented Graduates to be a part of research activities in the State-of-the-art facility fordesign, prototype development, testing, implementation, andtechnical documentation – Conference/ Journal papers / IPR.

File Description	Documents
Paste link for additional information	https://www.jeccac.in/IQAC/
Upload any additional information	View File

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 R&D department of JEC consists of eminent faculty andacademicians to promoter esearch activities on campus. There are faculty members with guideship and several research scholars are pursuing Ph.D. under their guideship. Many faculty members of JEC are doing Ph.D. on a full-time/ part-time basis. The number offaculty members with Ph.D. has increased over the years. R&Dsupports research publication of the faculty inpeer-reviewed, UGCapprovedjournals and conference proceedings. Financial support & rewards are offered to those faculty who present papers at National and International Conferences and Seminars and to those who publish papers in reputed National and International Journals.

The College has various Add-On Certificate Courses that have beenstarted to enhance and enrich the student's learning experience inthe College. This ensures a holistic approach to learning and develops the necessary skills for various vocations and careers. Add-On courses are aligned with the KTU academic calendar.Colleges have the flexibility to suggest new courses as the jobmarket needs to dictate, and also advice from the industry is takeninto account.

File Description	Documents
Paste link for additional information	https://www.jeccac.in/IQAC
Upload any additional information	View File

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)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.jeccac.in/IQAC/iqac_admin/assets/home_img/6.5.1_College_Annual_Report_20243.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

JECC ensures safety measures in different perspects. Women Development Cell (WDC) in JECC named as"SANSKRITHI" acts as a forum for providing self-empowerment of girl students and lady faculties, to take care of the problems and matters related to them and to empower them in the society. Every year WDC conducts a variety of events for the upliftment of women and to spread the importance of gender equality in society. No one is allowed to enter the campus without a valid ID card. In order to prevent anyadverse events, the campus and hostels are monitored by CCTV 24 x 7. For each laboratory course, a laboratory manual explaining Do's and Don'ts has been prepared to ensure a peaceful and sustainable laboratory environment for students and teachers. To ensure everyone's safety, fire extinguishers and first-aid kits have been positioned in prime areas of the campus. Counselling: The recent adult behavior by the students creates a lot of anxiety among parents and society. To overcome this counselling sessions separately for boys and girls are

arranged by renowned counsellors. Common Restrooms: The College has well-furnished rest rooms for boys and girls which are used by them when they need any physical rest.

File Description	Documents
Annual gender sensitization action plan	https://jeccac.in/IQAC/iqac_admin/assets/home_img/7.1.1_B_ANNUAL_GENDER__SENSITIZATION_ACTION_PLAN_2023-24.pdf
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	https://jeccac.in/IQAC/iqac_admin/assets/home_img/7.1.1_A_Specific_Facilities_Provided_For_Women_2023-24.pdf

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	View File
Any other relevant information	View File

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

Jyothi Engineering College is strongly committed to waste management and strongly advocates conservation of resources, to generate minimal waste and manage it from its inception to its final disposal. Segregation of waste at source is administered for effective waste management strategy- Reduce, Reuse and Recycle.

Solid Waste Management- The solid waste generated in the campus and hostels including wrappers, metals, paper and plastics are collected and segregated into different types of bio and nonbiodegradable waste and disposed of accordingly. The processed food waste is sent to piggeries periodically. Most of the official communications like notices, minutes are shared through WhatsApp or e-mails.

Liquid Waste Management- The institution is a forerunner in educating young minds by organising events like World Water Day each year on relevant themes, to reinforce the idea of valuing and conserving water. Liquid waste or sullage generated in the institution is treated and disposed of into soak pits.

E-waste management- The institute gives diligent importance to Ewaste management by ensuring that electronic goods are put to optimum use; the minor repairs and periodic maintenance is assured by the technical staff and the Laboratory assistants; the rest of the e-wastes are collected by an e-waste collection agency.

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

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<u>View File</u>
Any other relevant information	<u>View File</u>

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

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

7.1.6 - Quality audits on environment and energy 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

B. Any 3 of the above

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

7.1.7 - The Institution has 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

C. Any 2 of the above

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

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).

The Institution shows immense pleasure and responsibility in the aspect of tolerance and harmony in the fields of cultural, regional, linguistic, communal socio-economic and other diversities. With the precise inputs of Management and Principal, the Institution is conducting initiatives and programmes withinthe campus to achieve an inclusive environment for all the students and staff. By conducting such events and celebrations, the students learn experience and cultivate social responsibility, and inculcate interpersonal and intrapersonal skills through participation.

Students from outside the state are encouraged to join the college and such students are required to meet the Principal in person and seek admission.

Efficient faculty members from outside the state are also welcomed to the Institute.

Institute is keen on helping the meritorious and financially backward students. Different slabs on the basis of the KEAM rank are formed right from the formation of the Institution. The Institution has been kind enough to spend a large amount as scholarship every year to these students.

Institute has the regular practice of conducting various events/activities in order to alleviate socio economic barriers among the students and staff members.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<u>View File</u>
Any other relevant information	<u>View File</u>

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

Civic duties are not only restricted to books for children but it is a foundation on which the future of any country rests. College should leave no stone unturned to make it interesting for students so that they are compelled to implement the learning in their lives. The best way to inculcate the importance of civic duties in students is by imbibing patriotic values. Every year the Institute celebrates Republic Day, and Independence Day on January 26 and August 15 respectively. The celebrations were attended by Students, Teaching and Non-teaching Staff, Invitees, guests and any attendees. Flag hosting with the National anthem and oath of national integrity followed by distribution of sweets is the regular decorum of the programme.

Students consistently and regularly participate in the cleaning activities. The programme initiates with Preamble reading of the constitution followed by lectures on the sensitization of students on responsibility towards the constitutional values, rights, duties and responsibilities of citizens. Students are encouraged to rebuild homes, LED bulb making, mask making, book collection, cloth bag distribution, and awareness campaigns for blood donation are done in this period.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<u>https://jeccac.in/IQAC/iqac_admin/assets/home_img/7.1.9_NSS_Report_2023-24.pdf</u>
Any other relevant information	<u>https://jeccac.in/IQAC/iqac_admin/assets/home_img/5.1.5_Anti_Ragging_2023_2024.pdf</u>

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts   **A. All of the above**

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

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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

College makes high efforts and importance to celebrate national and international days. International Days are celebrated to mark important aspects of human life and history. Every year the college celebrates Independence Day, Republic day with flag hoisting. Every year the college celebrates national science day with invited talk from eminent persons. The main objective of National Science Day is to bring awareness to students about the importance of science in our daily life. Every year natura(Environmental forum in college) celebrates the environmental day in college in an auspicious way. The programme initiates with Preamble reading of the constitution followed by lectures on the sensitization of students on responsibility towards the constitutional values, rights, duties and responsibilities of citizens. Institute celebrates International commemorative days like Engineer's Day, Teacher's Day, World Palliative care Day, World Environment Day, World Nature Day. International days are celebrated to educate and aware the students on issues of concern to address global problems. Institution organizes various activities for students to createawareness among the staff & students.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

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

Enhancing Student Success Through Classroom Mentoring and Home Visits

- Enhancing students' academic performance and personal growth can be greatly facilitated by fostering excellent relationships between teachers and students and offering invaluable support through (Student Mentoring Manager) SMM Portal.
- Visiting the homes of weaker students as part of a mentoring program can significantly enhance the relationships between students, staff, and parents, leading to improved academic outcomes.
- By reviewing the student's academic records and understanding any personal challenges beforehand, teachers can approach the visit with empathy and insight.
- Follow-up communication to monitor progress and offer continuous mentorship solidifies this partnership, ultimately fostering a collaborative environment that boosts the student's academic performance and well-being.

Social and Technical activities through Centre for Water Research and Education

- To provide services and to educate the public towards the water issues with focus on maintenance of domestic water sources.
- For the benefit of the society our college is providing free website information to the people on water and sanitation. As part of CWRE, water sample testing is carried outand remedial measures are provided
- CWRE received numerous requests for the water quality checking. Collection and Analysis of numerous water samples is

the major issue.

File Description	Documents
Best practices in the Institutional website	https://jeccac.in/IQAC/iqac_admin/assets/home_img/7.2.1_Enhancing__Student_Success_Through_Classroom_Mentoring_and_Home_Visits.pdf
Any other relevant information	https://www.cwre.jecc.ac.in/

7.3 - Institutional Distinctiveness

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

- **The first in South India and the sixth in India, the Integrated Industrial Incubation Centre (IIIC) was established by Jyothi Engineering College through an MOU with TATATechnologies Ltd. T-shaped professionals are what we train our students to be. While the horizontal bar on the T-shaped person represents the person's abilities in interdisciplinary fields and life skills, the vertical bar shows the depth of knowledge and skills in the engineering stream of their choice.**
- **Virtual Labs (VL): Activities that normally occur in actual laboratory settings can be simulated interactively and digitally in virtual labs. to give people remote access to labs in different engineering and scientific fields. These virtual laboratories would serve research academics as well as undergraduate and graduate students.**
- **Mini FABLAB: With the help of Kerala Startup Mission (KSUM) and APJ Abdul Kalam Technological University, Jyothi Engineering College constructed a mini fabrication laboratory on campus. In a tiny fab lab, prototyping tools include 3D printers and laser cutters. Digitally design your concept, attend training, and refine prototypes while gathering feedback from others to produce a successful end result.**

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 college follows a curriculum prepared by APJ Abdul Kalam Technological University to which the college is affiliated practices a significant degree of decentralization and its academic administration is organised in the form of clusters which has significant autonomy in designing and developing curriculum.This college has devised various strategies to ensure outcome based learning and for strengthening our teaching learning process. These are mentioned below,

- Class / Course / Advisory Committee.
- Course delivery as per lesson plan
- Student's feedback
- PTA meetings
- Course files preparation.
- Class wise Students Mentoring system
- The academic calendar, semester plan and time table are circulated and lesson plans are prepared
- . To maintain quality, the internal exam question papers are approved by the IQAC before sending it to exam cell.
- The central /department/digital libraries with e-books is available to both students and faculty members.
- Language Lab, Fab lab, Startup Center, IIIC, Technolgy Businesss Incubator, facilites areavailable for both students and faculty members
- . Various FDPs on recent updates in technology conducted by eminent experts from academic and industrial fields.
- Add-on/ NPTEL courses/ Invited talks/ MOOC courses/Webinars help the students to get sound information about the recent activities in the world and can thus improve their skills.

File Description	Documents
Upload relevant supporting document	[View File]()
Link for Additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/1.1.1_Additional_Documents_2023-24.pdf

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

As quality enhancement is a continuous process, the Internal Quality Assurance Cell (IQAC) will become a part of an Institution's system and work towards realizing the goals of quality enhancement and sustenance. The prime task of IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of institutions.

IQAC will make a significant and meaningful contribution in the post accreditation phase of institutions. During the post accreditation period, the IQAC will channelize the efforts and measures of aninstitution towards academic excellence.

The primary aim of IQAC is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution and to promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

IQAC evolves mechanisms and procedures for

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks.
- The relevance and quality of academic and research programmes.
- Equitable access to and affordability of academic programmes for various sections of society.
- Optimization and integration of modern methods of teaching and learning.
- The credibility of evaluation procedures.
- Ensuring the adequacy, maintenance and proper allocation of support structure and services

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://jeccac.in/IQAC/

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating	A. All of the above

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

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

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

18

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

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

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

5

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

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

378

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

Jyothi Engineering College has taken impressive efforts to integrate cross cutting issues such as Gender, Environment and Sustainability, Human values and Professional Ethics wherever possible into the curriculum and more often by other indirect means.

Gender:

Gender equality, equality between men and women, entails the concept that all human beings, both men and women, are free to develop their personal abilities and make choices without the limitations set by stereotypes, rigid gender roles and prejudices.

- Jyothi ensures that equal opportunity is given to both genders in terms of admissions.
- Women Development Cell(WDC).
- Institution ensures equal representation of students (both genders) in students union, course committee, class committee etc.

Environment and Sustainability:

The following are some of the initiatives towards integrating environment andsustainability into the curriculum:

- **Natura Club Centre for Water Research and Education(CWRE)**
- **Rain water harvesting facility with a pond of size 50m x 20m x 10m storage capacity.**
- **Grid connected Solar roof panel of 63.7kW power supply.**

Human Values and Professional Ethics:

Jyothi is committed to provide quality education in engineering and technology, to transform youth into committed technical personal for social and economical well being of nation with integral development of the personality and character building.Newly joined faculty members are undergoing FDP's on Universal Human Values prescribed by the AICTE.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

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

390

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

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

930

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

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

File Description	Documents
URL for stakeholder feedback report	https://jeccac.in/IQAC/iqac_admin/assets/home_img/1.4.1_Feedback_Reports_23-24.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://jeccac.in/IQAC/iqac_admin/assets/home_img/1.4.1_Feedback_Analysis_23-24.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

432

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

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

92

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

2.2 - Catering to Student Diversity

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

The institution has an effective student centric mechanism for continuous monitoring and evaluation of the students' performance for both slow and advanced learners. Advanced learners Advanced

learners are encouraged, motivated and advised by the staff members to excel in their academics by providing them with all the support needed.

The following special programs are carried out to encourage advanced learners to enhance their overall personality development.

- University Toppers are felicitated for academic excellence.
- Motivated to carry out innovative projects and to participate in various events.
- Encouraged to publish papers in Conferences and Journals.
- Encouraged to join B. Tech Honours and additional certification programmes.
- Motivation through Scholarships.

Slow learners

The Institute practices a robust student academic counselling process to encourage slow learners for better performance. The following special programs are carried out.

- The institution has an effective mentoring system to identify the nature of their problems.
- Remedial classes are provided for slow learners.
- Faculty members prepare a university question bank for each subject and discuss ways of presenting answers in the university examination.
- Parents are intimated the progress of their wards on regular basis by the class tutors.

File Description	Documents
Paste link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.2.1.Programmes_for_advanced_learners_slow_learners_2023_24_.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1722	132

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

2.3 - Teaching- Learning Process

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

Our college practices a teaching methodology which focuses on imparting education through a student centric approach which empowers students, shifting them from passive recipients to active and engaged participants.

EXPERIENTIAL LEARNING

Project work and workshops serve as tangible experiences through which students gain an understanding of the responsibilities associated with the engineering profession. These activities enhance their technical skills and gain valuable practical exposure. We encourage students to participate in industrial visits and internships. Moreover, talks by both academic and industry experts to keep students informed and to foster closer connections between the academic world and industry.

PARTICIPATIVE LEARNING

We promote active knowledge exploration among students through seminars, fostering participative learning. Professional organizations host technical events to further develop the technical skills of our learners. We also encourage students to engage in a variety of certification courses, facilitating self-directed learning. Placement Department Cell offers career guidance programs aimed at enhancing students' overall personality development.

PROBLEM SOLVING METHODOLOGIES

Our educational approach places a strong emphasis on nurturing students' problem-solving skills, actively involving them in hackathons, and coding competitions to fuel their growth. We employ the discussion method fostering an environment where students are encouraged to think broadly and participate

actively.

File Description	Documents
Upload any additional information	[View File]()
Link for additional information	[https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.3.1_Student_centric_methods_2023_24.pdf]()

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

JECC uses ICT enabled tools for: effective teaching - learning process, to implement new teaching techniques, to help students work collaboratively in the learning process. Teachers use different trusted online resources to enhance teaching- learning process. The following methods are adopted:

1. Multimedia Teaching Aids: Faculty utilizes multimedia tools such as LCD projectors, videos, PowerPoint presentations (PPTs), and simulations within classrooms, creating an immersive and engaging learning environment. Google Classroom is leveraged for efficient course management and sharing relevant information.

2. Well-Equipped Facilities: Classrooms and laboratories are equipped with LCD projectors, computers, laptop connectivity, and UPS systems, ensuring seamless access to digital resources.

3. Resource Integration: Faculty members actively incorporate ebooks, technical magazines, and academic journals to keep students engaged and informed during classroom sessions.

4. Robust Internet Infrastructure: JECC provides high-speed internet access with a 300 Mbps bandwidth, ensuring students and faculty can easily access online resources.

5. Digital Resources: The institution houses a dedicated computer laboratory and digital library, granting students access to an array of lectures and study materials for self-paced learning.

6. Personalized Connectivity: Individual laptop and mobile device access to the internet is facilitated through MAC-ID based Wi-Fi,

offering students flexibility in their learning.

7. Campus Automation: Academic-related activities are streamlined through the Campus automationsoftware, accessible to students for easy tracking and management of their educational journey.

File Description	Documents
Upload any additional information	[View File](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	[View File](#)

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

81

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	[View File](#)
Circulars pertaining to assigning mentors to mentees	[View File](#)
Mentor/mentee ratio	[View File](#)

2.4 - Teacher Profile and Quality

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

132

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	[View File](#)
Any additional information	[View File](#)
List of the faculty members authenticated by the Head of HEI	[View File](#)

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

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

36

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

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

2.4.3.1 - Total experience of full-time teachers

1046.58

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

The following actions are taken for the transparent and robust evaluation of the students:

- **Academic calendar is prepared as per the university calendar for every semester that includes the schedule for internal assessment.**
- **Notifications from the university regarding the assessment are circulated among students, faculty, and staff through notice boards,in college handbooks and is published in campus automation software etlab.**

- As per the regulations of affiliating universities, two internal assessments are conducted every semester and the schedule is communicated to the students.
- The internal assessment question paper pattern standardized by IQAC is circulated among the faculties.
- 2 sets of question papers are prepared for each subject based on Course outcomes as per the guidelines issued by the IQAC and are scrutinized by the DQAC. Corrections/Modifications if any are communicated to the concerned faculty members via email. The IQAC finally selects one of the submitted papers.
- The selected question paper is printed by the internal examination cell and the exam will be conducted as per the schedule.
- Answer scripts are returned within a week from the exam date and the student can approach the teachers for any clarifications.
- The mark list for Internal Assessment is displayed in the department notice board and is also published in the etlab software.
- The final internal marks are entered in the University portal within the stipulated time period.
- The academic performance of each student is maintained in the respective Departments and the same is communicated to parents through posts/SMS.

File Description	Documents
Any additional information	View File
Link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.5.1_Mechanism_Of_Internal_Assessment.pdf

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

At the College Level:

- The internal assessment is completely transparent following the university guidelines strictly. Internal assessment tests are conducted twice every semester.

- Consolidated internal test marks are published on the Department notice board and in the etlab software.

- **Any grievance on internal marks can be communicated to the faculty. If not resolved, the students can approach the Head of the department and then the institution's Grievance Redressal Committee.**

- **At the end of semester, internal assessment marks are uploaded to the university portal.**

- **As per university norms, 75% attendance is mandatory in each course to attend the end semester examination.A relaxation up to 60% is available to those with documented medical reasons.**

At the university level:

Students can express grievances by following the revaluation procedure:

- **If the students are unhappy with the final marks, they can apply for revaluation through the examination cell.**

- **The students can obtain a photocopy of their answer sheets.**

- **The revaluation fee is reimbursed by the University if there is an improvement in marks by 15%.**

- **Grievances like missing data in question papers, questions outside the syllabus, toughness of the question paper etc., are communicated to the Controller of Examinations through concerned faculty on the day of examination.**

File Description	Documents
Any additional information	[View File](#)
Link for additional information	[https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.5.2_Mechanism_To_Deal_With_Examination_Related_Grievances_(1).pdf](#)

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.

The institution has adopted the Outcome Based Education (OBE) in its teaching, learning and evaluation process and strives for continuous improvement.

The Program Outcomes (POs) defined by the National Board of Accreditation (NBA) are common for all programs across departments. The Program Specific Outcomes (PSOs) are framed by the respective department through brainstorming in the Department Assessment as well as Advisory Committee. The Course Outcomes (COs) are defined in the syllabus of each subject.

Consequently, Program Outcomes, Program Specific Outcomes, and Course Outcomes for all the programs offered by the institution are stated and displayed on the college website-department wise, from the first year to the fourth year for communicating with teachers, students, and other stakeholders.

Mechanism of Communication:

PO'sand and PEO's for a particular program are stated displayed and communicated in various ways such as:

1. Displayed in the departmental web page of the institutional website , Laboratories, Students Lab Record.

2. Displayed in classrooms, Staff rooms, and in the rooms of HOD's.

3. Displayed in the departmental library & notice boards

4. Incorporated in Campus Automation software

5. Communicated in class committee meeting

6. Course Outcomes are displayed in Lesson plan, Lab records, internal exam question papers and course file.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.6.1.Dissemination_Of_CO_PO_PSO2023-241.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

The institution evaluates its POs and PSOs by the following ways.

1.Direct assessment method

2.Indirect assessment method

DIRECT ASSESSMENT METHOD

The departments under this institution conduct four internal examinations and two assignments to assess the attainment of the course outcomes (CO) and in turn contributes to the attainment of the programme outcomes (PO) and Programme Specific Outcomes (PSO).

Attainment of PO's using direct assessment method is done by calculating the weighted average of COs attained using the CO-PO mapping of all courses.

To facilitate continual improvement in attainment of COs, target levels are set for each CO by the faculty based on the previous student performance and nature of the course.

INDIRECT ASSESSMENT METHOD

PO attainment using the indirect assessment method includes the following ways:

1. Exit Surveys are conducted on the passed out students in each academic year

2. The co-curricular activities of students

3. Feedback obtained from the workshops and seminars conducted to bridge the gap between the curriculum and POs.

4. Alumni Survey

The overall PO attainment can be calculated by assigning appropriate weightages to the direct and indirect assessment methods.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.6.2._Attainment_of_POs_and_COs_2023-24.pdf

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

322

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.6.3.Result_Analysis_2023_241.pdf

2.7 - Student Satisfaction Survey

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

https://jeccac.in/IQAC/iqac_admin/assets/home_img/2.6_Survey_Result-Student_Satisfaction_Survey_(SSS)_May_2024.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)

1.01

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

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

17

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

3

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	http://103.251.43.87/index.php/ml/home-mainmenu-4/69-english-category/institutions-programmes/cerd/340-about-cerd

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

JECC has established a vibrant ecosystem dedicated to innovation, knowledge transfer, and holistic student development. Anchored by a proactive Research and Development (R&D) Cell, the institute fosters faculty engagement in research projects, publications, and Intellectual Property Rights (IPR). This commitment extends to the Innovation and Entrepreneurship Development Cell (IEDC), where students are actively encouraged to cultivate entrepreneurial skills, promoting a forward-thinking mindset.

The Technology Business Incubator (TBI) acts as a catalyst for converting technological ideas into commercially exploitable products and services. Operating since 2009, the Fab Lab, supported by KTU and KSUM, offers widespread access to cutting-edge investigative tools.

JECC's library, housing over 40,000 books, serves as a vital resource hub. With IP-enabled access to E-books and E-Journals, it supports research activities, enhancing the academic landscape. The institute's dedication to creating a conducive environment for learning and innovation is underscored by its collaborative initiatives and forward-looking approach, positioning JECC as a hub for academic and entrepreneurial excellence.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://jeccac.in/Consultancy

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

10

File Description	Documents
Report of the event	[View File](#)
Any additional information	[View File](#)
List of workshops/seminars during last 5 years (Data Template)	[View File](#)

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

24

File Description	Documents
URL to the research page on HEI website	https://jeccac.in/Consultancy/Research/research
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	[View File](#)
Any additional information	[View File](#)

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	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

24

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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

The institute's visionary commitment to sustainable livelihoods and community well-being is evident in its focus on fostering social responsibility and ethical leadership among students. By integrating community service into its ethos, the institute molds engineers who are not only technically proficient but also socially conscious. Acknowledging the importance of social awareness, the institute incorporates relevant courses like Environmental Science into its engineering curriculum. Beyond academics, initiatives promoting gender equality and inclusivity, such as Women's Day celebrations, showcase a commitment to societal harmony. Outreach programs prioritize marginalized communities, emphasizing social responsibility and ethical engagement. The institute's strong connection with the local community is exemplified through voluntary participation in national initiatives like Swacchh Bharat cleanliness drives and tree plantation efforts, demonstrating a dedication to environmental consciousness. Disaster preparedness workshops and

awareness campaigns further contribute to shaping responsible citizens. Extension activities provide students with experiences beyond the classroom, fostering a sense of social responsibility and community engagement. Initiatives like Blood Donation Drives and Thalassemia Awareness Workshops exemplify the institute's dedication to holistic development. In conclusion, the institute's holistic approach to education, emphasizing sustainability, social responsibility, and community engagement, produces engineers equipped not only with technical skills but also with values necessary for meaningful societal contributions. This commitment reflects a vision of ethical engineers working in harmony with nature and actively contributing to societal well-being.

File Description	Documents
Paste link for additional information	https://jeccac.in/Home/JecNews/jecnews
Upload any additional information	View File

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

10

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

16

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

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

96

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

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

210

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

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

19

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution provides sufficient amenities as per the norms of AICTE and APJ Abdul Kalam Technological University. As per the requirement, the management has provided and enhanced the infrastructure of the institution from time to time. The institution is spread across 38.36 acres campus with abundant green landscape with 35621.45 m2 built up carpet area and is located in the Thrissur District of Kerala which is easily accessible to the public through train and bus. The institution has 33 class rooms and 5 seminar halls with ICT enabled facilities, 41 Laboratories and a central workshop. The laboratories are equipped with adequate number of equipment and machines. The institution has an auditorium with a seating capacity of 850 and an Amphitheatre having a capacity of 1500. The institution has 960 computers, networked through Optical Fibre, Ethernet and Wi-Fi. The institution has upgraded its internet speed to 520 Mbps. The institution has a fully automated library with 95 journals, 39039 volumes 13274 titles and 2066 CD-ROMs. The institution provides hostel facilities and transportation facility for both students and staff from various

locations. The additional facilities provided by the institution are FAB LAB, IIIC, TBI etc.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://jecc.ac.in/documents/iqac/photos/?pa ge=class_rooms

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

The role of physical activities such as athletics, games, weight training etc. will be helpful for one's personality development and good health. We have excellent facilities to conduct different sports and games with good standards and it will be a good experience for our students. All these facilities are provided and easily accessible to the students in the college compound

.Football Ground - We have a football field with a measurement of 100-meter length and 70-meter width and inside the field.

Basketball - We have a dedicated Physical Education teacher and one basketball court of 28m X 15m with acrylic fibre glass backboard with safety padding.

Table Tennis - We have some experienced professional players and an ITTF standard table to help the improvement of players in every aspect

Chess - We are giving facilities like chess boards and black white pieces. Students are practice this game and also doing participation in intercollegiate zonal games.

Handball - The College campus has a handball court with natural grass which is 40 meter in length and 20 meter in width.

Cultural Activities - We have our own Dance Club, Music Club and College band functioning in our college to enhance the student talents in performing arts.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://jeccac.in/Department/AuxiliariesController/physical_education

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

38

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://jecc.ac.in/documents/iqac/photos/?pa ge=seminar_halls
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

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

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

183.03

File Description	Documents
Upload any additional information	[View File](#)
Upload audited utilization statements	[View File](#)
Upload Details of budget allocation, excluding salary during the year (Data Template	[View File](#)

4.2 - Library as a Learning Resource

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

Jyothi Engineering College Central Library has an area of 1028.91m2 and is housed in the administrative block spanning 2 floors. The library consists of 95 journals, 39039 volumes 13274 titles and 2066 CD-ROMs. Library is automated using in house developed library management software. Books are classified according to DDC and the status of a book can be identified by searching Online Public Access Catalogue (OPAC). The library provides IP enabled access to E-books from Wiley Online Library and E-Journals in Engineering & Technology such as IEEE ASPP Online Tier 3, Elsevier Engineering+ Computer Science and ASME. The library has membership (Membership No. IM-1353) in Developing Library Network(DELNET) which provides access to 4,09,13,859 bibliographic records in the union catalogue of books. The request for inter-library loan can be placed through the online system. The library has 123 Web courses and 291 Video courses under NPTEL by IIT Madras. Library also has membership in National Digital Library of India (NDLI) and e-ShodhSindhu. JEC Library Digital Repository has been developed with the help of open source software, DSpace (version1.7.0).

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	https://jeccac.in/Department/AuxiliariesController/centralLibrary

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	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals

during the year (INR in Lakhs)

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

19.26

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

76.71

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

Computer Labs and Central Facility There are individual computer labs for each department, complemented by a central computing facility housing 210 computers. The JEC is well-equipped with essential resources, including computers, projectors, and printers. The entire campus is seamlessly connected through Optical Fiber, Ethernet, and Wi-Fi, with 43 access points strategically configured. Presently, we enjoy a robust internet bandwidth of 520 Mbps. Computers in JEC IT Infrastructure the IT infrastructure at JECC comprises a total of 960 computers, with 749 dedicated to student academics. To enhance our capabilities, we recently added 96 new computers in the academic year 2022-23. Internet Connectivity All computers are seamlessly connected to the LAN, with two leased line internet connections providing a combined speed of 500 Mbps with a total of 44 public IPs available. Additionally, we benefit from 20 Mbps internet

connectivity under NMEICT. Our commitment to security, connectivity, and productivity is evident through the consistent measures we implement. Network Security Our network has been safeguarded by the Sophos XG 310 firewall, which we upgraded to the Sophos XGS 3100 Firewall on April 3, 2024. This upgrade ensures continued protection for our network, promoting a secure and productive computing environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jeccac.in/Department/AuxiliariesController/computerCenter

4.3.2 - Number of Computers

749

File Description	Documents
Upload any additional information	View File
List of Computers	View File

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

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

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)

239.91

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

Utilization & Maintenance of Lab Laboratory sessions are carried out in accordance with the schedule as per the university curriculum plan. Every year,. The final stock verification and inspection report is submitted to the management for follow up action. Library: The institution has a Library Committee which monitors the procurement and regular follow ups to ensure effective utilization of library. The final stock verification and inspection report is submitted to the management for follow up action Sport: Students are allowed to practice before and after regular class hours. Students are allowed to use the specified indoor and outdoor playing area with the proper equipments providing by the college with a prior permission of physical education teacher. Institute providing Gymnasium with a certified gym trainer on daily basis to the interested students Computers: All the departments in the institution are equipped with computer laboratories. Every department in the college has been assigned with a point of contact known as IT spoc to rectify any issue with the PCs. Classrooms The classroom allocation in accordance with class time table is done by HOD of that particular department. Maintenance is done by Project office and computer centre.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/4.1.1B_Additional_Facilities_2022_2023.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

119

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

734

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

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	https://jeccac.in/IQAC/Naac/aqar_view
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

1669

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

1669

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

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

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

226

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

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

15

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

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

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

11

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

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	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at univ ersity/state/national/internationa l level (During the year) (Data Template)	View File

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

The college boasts a vibrant student union where representatives are democratically elected by their peers. This student government body is comprised of a Chairman, Vice Chairperson,

General Secretary, Joint Secretary, Magazine Editor, Arts Secretary, two UUCs, and year level representatives.The flagship "Tharang" techno cultural festival allows students to showcase their technical talents . The "Laya 24" arts festival is a remarkable display of youthful creativity and performance. To foster genuine sportsmanship, the union also arranges athletic competitions and games. Student participation in Onam, Christmas, Engineers Day, and Water Day celebrations further enhances the college experience and cultivates lasting memories. Beyond the student union, other campus organizations like the NSS, Natura Club, professional clubs etc.contribute to the overall development of the student body. The college's Blood Donors Forum also plays a vital role in raising awareness and coordinating blood donation drive.The college enthusiastically hosted the largest Hackathon in the world - NASA space apps challenge with record number of participants attending the event. The professional bodies in the college performs very many activities and workshops. The intracollege project competition YUKTHI - is a flagship event of JEC, aimed at nurturing innovation.

File Description	Documents
Paste link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/5.1.3_Blood_Donation_2023_2024.pdf
Upload any additional information	View File

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

68

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

5.4 - Alumni Engagement

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

Jyothi Engineering College has a registered Alumni Association (JECAA) since 2021. It has strong bonding with the alumni ever since the first batch that passed out. Their strong presence in the foreign countries has immensely helped the institution with job offers, admissions, internships and funding prospects for the discerning students. As our institution is almost two decades old, a number of alumni are in top positions in various fields. The alumni are invited for webinars / talks / workshops and these interactive sessions help the current prospective students gain a foot in the door to employability and educational opportunities in India as well as abroad. Every year we are conducting Alumni Meets and maintaining a continuous rapport with alumni members. In connection with this, football matches, Best Jyothian awards, film making competitions, Charity activities and various co-curricular activities are also conducted. We constructed Alumni corner in our campus and also submitted proposal for constructing guest house using Alumni Fund. Our alumni had over many years supported financially the well deserving students from economically poor background by providing laptops, scholarships, and endowments. Our strong JECAA aims to instil a sense of pride and loyalty in our current students, which lays the motivation as well as reward, for both the alumni and our college.

File Description	Documents
Paste link for additional information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/5.4.1__Alumni_Association_Registration_Certificate1.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

COLLEGE VISION

Creating eminent and ethical leaders through quality professional education with an emphasis on holistic excellence.

COLLEGE MISSION

- **To emerge as an institution that par excellence in global standards by imparting quality engineering and other professional programs with state-of-the-art facilities.**

- **To equip the students with appropriate skills for a meaningful career in the global scenario.**

- **To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives.**

- **To participate in the development of society through technology incubation, entrepreneurship, and industry interaction**

Jyothi Engineering College (JEC) under Trichur Educational Trust

founded by the Catholic Archdiocese of Trichur started functioning at Cheruthuruthy in the year 2002. The Management strictly adheres to the recommendations of its Governing Council. The governing council meeting is convened periodically and important aspects of academic and non-academic matters are discussed and decisions are taken to benefit all the stakeholders of the system. JEC is committed to providing all requirements in curricular and co-curricular areas of Technical Education to our students and molding them to become true professionals of international standards. Faculty members are given representation in various committees/cells nominated by the college council, in the Governing body, in the IQAC, and other committees.

File Description	Documents
Paste link for additional information	https://www.jeccac.in/Home/
Upload any additional information	View File

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

Decentralization

The institution has a mechanism of providing operational autonomy to various functionaries in order to ensure a decentralized governance system.

1. Principal Level

The Principal in consultation with the college council and IQAC constitutes different committees for planning and implementing different academic, administrative, and related tasks.

2. Faculty level

Faculty members are given representation in various committees/cells, the Board of Governors, the IQAC, and other committees.

3. Student level

The functioning of different secretaries of students' unions further reinforces decentralization.

Participative management

The institution promotes participative management at the strategic level, functional level, and operational levels.

Strategic level:

The Principal, Board of Governors, College council, and the IQAC are involved in defining policies,and framing guidelines pertaining to admission, examination, discipline, grievance, support services, finance, etc.

Functional level:

Faculty members share knowledge among themselves, students, and staff members while working on a committee. Principals and faculty members are involved in joint research and have published papers in reputed journals.

Operational level:

The Principal interacts with Government, University, AICTE, UGC, and external agencies. Faculty members maintain interactions with the concerned departments of the affiliating university. Students and office staff join hands with the Principal and faculty for the execution of academic, co-curricular, and extracurricular activities.

File Description	Documents
Paste link for additional information	http://jeccac.in/IQAC/iqac_admin/assets/home_img/6.1-Hand_Book-2023_24.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

yothi Engineering College (JEC), established in 2002 under the Trichur Educational Trust, founded by the Catholic Archdiocese of Trichur, stands as a premier engineering institution in Kerala.

JEC earned NBA accreditation in 2016 for four B.Tech programs: Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, and Mechanical Engineering. In 2019, the Civil Engineering department, and in 2023 Mechatronics Engineering department also achieved NBA accreditation. As a NAAC-accredited institution, JEC follows a well-defined process to ensure objective outcomes. The college has recently applied for UGC autonomy status.

Aligned with its vision of becoming an innovation-driven institution, JEC has established the Integrated Industrial Incubation Centre (IIIC) in collaboration with TATA Technologies. The college also hosts a Technology Business Incubator (TBI) and a Fabrication Lab (FABLAB), primarily catering to students but also intended to support industries, particularly MSMEs, in Thrissur and across Kerala. Additionally, JEC's Centre for Innovation and Entrepreneurship Development (IEDC), supported by Kerala Start-up Mission, provides a platform for student experimentation and innovation.

JEC's long-term objectives are guided by its vision and mission, emphasizing excellence, innovation, and societal contribution.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://jeccac.in/IQAC/iqac_admin/assets/home_img/6.1-Hand_Book-2023_24.pdf
Upload any additional information	View File

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.

Organizational Responsiveness

We at Jyothi Engineering College believe that institutionalagility is the capability to deal with changes that often ariseunexpectedly in our environments. In a volatile environment, wherestakeholder needs can change rapidly, decisions should be madequickly. The Jyothi Engineering College management has realized the need to create an agile organization, to face thesechallenges. As a first step, we identified our key internal andexternal stakeholder interests. We then specified the pillars

onwhich our institution rests. Based onthe identification ofstakeholder needs and the pillars that support our edifice, wecreated a responsive organizational structure.

Pillar-stakeholder matrix Pillar Stakeholder ResponsibilityAcademic excellence Students, industry, faculty, competitorPrincipal Research Faculty,the research community, industry,competitor Principal Admissions Jyothi Management,industry,faculty, competitor COO Placements Students, parents,industry, competitor Director Placements Infrastructure Students,employees of Jyothi, competitor Projects Head Faculty, industry,students, competitor Faculty, industry, students, competitorDirector QA and Industry Connect Innovation/new initiativesStudents, faculty, industry, Jyothi Management, competitor COOStudent activities Students, faculty, competitor Vice PrincipalQuality assurance All internal and external stakeholders,competitor Director QA and Industry Connect

File Description	Documents
Paste link for additional information	https://www.jeccac.in/Home/Oversight/oversight
Link to Organogram of the institution webpage	https://www.jeccac.in/Home/jechome_admin/assets/policy_doc/Organogram_2023.pdf
Upload any additional information	View File

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	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The following are the welfare measures: Teaching Staff: Staff Club, Medical Leave, Gratuity, StudyLeave,Maternity Leave Medical Leave: All staff members are eligible for medical leave @ 12 days forevery completed year of service after the probation period.

Maternity Leave: All women employeesare entitled to maternity leave for a periodof 90 days. Complete monthly salary and benefits shall be paidduring the period of maternity leave.

Study Leave: Study leave shall ordinarily be granted only to the faculty whohave completed at least 3 years of service.

Non-teaching Staff: ESI, Staff Club, Medical Leave, ProvidentFund, Maternity Leave

Provident Fund: JEC is committed to complying with statutory provisions ofEmployees Provident Fund Deduction will be made from the salary ofemployees and will be deposited to the designated provident fundaccounts along with the contribution of the organization as perthe provisions of the said Act.

ESI: ESI Scheme is related to the paying capacity as a fixedpercentage of the worker's wages, whereas, they are providedsocial security benefits according to individual needs withoutdistinction.

Gratuity: Gratuity is given to an employee who has worked in thecollege for over five years.

File Description	Documents
Paste link for additional information	https://www.jecc.ac.in/documents/HR_MANUAL_V4.pdf
Upload any additional information	View File

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

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

17

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

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

1

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

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

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

88

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

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

Our Appraisal system is an attempt to standardize the system,taking note of the various activities and rendering credit to eachof the efforts. The objective at the back of this is to evaluateeverything that is done for the college community and to encourageand appreciate the same.

In an effort to recognize and reward the performance of employees,it is the organization's philosophy that the principal componentto enhance compensation shall be through annual increments based on performance evaluations. All regular employees are eligible foryearly increments based on the results of their PerformanceAppraisal conducted annually. Employees are informed in writingabout their annual increments after the Performance Appraisal.

Jyothi has incorporated the innovative practice of making theappraisal process foolproof and comprehensive. The appraisalsystem accommodates every activity each one undertakes with clearweightage and credit points. This is an exercise to acknowledgeand appreciate each one's hard work and contributions to ourcollege community which in turn, will encourage all to engage inmore creative and productive activities.

A brief note on this review and related counseling provided shallbe prepared and signed by both the employee and the HOD/Principaland maintained in the employee's personal file.

File Description	Documents
Paste link for additional information	https://www.jecc.ac.in/documents/HR_MANUAL_V4.pdf
Upload any additional information	View File

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

Internal Audit The internal audit is done by an in-house team and will carry outthe accounting procedure of internal control of finance on aday-todaybasis.Since the institution follows a good system of internalcontrol like calling quotations, comparison of rates, preparationof purchase orders for each and every requirement needed,andpreparation of wage sheets, all the employee benefits are vouchedfor conducting and participating in conferences, facultydevelopment programs,etc.No expenses are incurred without properapproval or sanction by the head of the institution or head of thevarious departments.

External Audit The institution also has an external audit mechanism carried outby Abraham and Jose Chartered Accountants. This statutory auditoraudits the annual account and examines on a test basis evidencelike fee collection with the approved list of students on suchverification any discrepancies will be discussed and sorted out with the management. Once all financial transactions are accountedfor, based onfinancial statements like balance sheets and Incomeand Expenditure Statements are prepared for the financial year.Such financial statements will be signed and approved by theAuditor and Management. Based on the audited financial statements, the auditor will issue a Final Audit Report.

File Description	Documents
Paste link for additional information	http://jeccac.in/IQAC/iqac_admin/assets/home_img/6.4.1-Financial_Statement_upto_2024_march.pdf
Upload any additional information	No File Uploaded

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

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

0.58

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

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

Jyothi Engineering College is a private self-financing EngineeringCollege and it has only limited scope for raising funds. Theinstitution doesn't have either grants or aid from the Governmentor University. It is the responsibility of the Management ofJyothi Engineering College to find out the source of financialresources.

An important source of financial resources is student feecollection. The state fee regulatory commission has decided the fee structure of the B. Tech program and the college is collecting fees based on the guidelines of the fee regulatory commission and within the framework of the agreement signed between theGovernment of Kerala and Kerala Catholic Engineering CollegeManagement Association. The surplus of the fee income is used forthe development of the college.

Jyothi Engineering College has been utilizing its variousresources for various activities since its inception. One of the mainresources that have been utilized in this institution isthe Computer Centre. For the last five years, these have been usedfor various exams and training like GATE, JIPMER, RRB, SBI, TCSION CUSAT, JEE, JNU, ICAR, UGC NET, CSIR, ICAI CAT, etc. Many students andtrainees have benefited from this for the last fewyears.

File Description	Documents
Paste link for additional information	http://jeccac.in/IQAC/iqac_admin/assets/home_img/6.4.1-Financial_Statement_upto_2024_march.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

The institution has an active IQAC committee that looks into theproper functioning and quality of output of the differentactivities undertaken. Twosetsof question papers are presented forinternal examinations from which the IQAC can select one for anygiven exam.

The R&Ddepartment isformed to encourage innovation and toharmonize the research activities of the various disciplines inthe institute.R&D takes every initiative to support and encouragefaculty members to apply for research projects to differentfunding agencies (Govt./Non-Govt.), for Research Promotion Scheme,and other projects. Initiatives are taken to organize differentFaculty Development Programs, Technical Workshops,and National andInternational Conferences forthe transferof knowledge among thestudents and faculty members. R&D supports research publication ofthe faculty in peer-reviewed, UGC-approved journals and conference proceedings. Financial support & rewards are offered to thosefaculty who present papers at National and InternationalConferences and Seminars and to those who publish papers inreputed National and International Journals. R&D initiated JyothiResearch Fellowship programs to encourage Talented Graduates to be a part of research activities in the State-of-the-art facility fordesign, prototype development, testing, implementation, andtechnical documentation – Conference/ Journal papers / IPR.

File Description	Documents
Paste link for additional information	https://www.jeccac.in/IQAC/
Upload any additional information	View File

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 R&D department of JEC consists of eminent faculty andacademicians to promoter esearch activities on campus. There are faculty members with guideship and several research scholars are pursuing Ph.D. under their guideship. Many faculty members of JEC are doing Ph.D. on a full-time/ part-time basis. The number offaculty members with Ph.D. has increased over the years. R&Dsupports research publication of the faculty inpeer-reviewed, UGCapprovedjournals and conference proceedings. Financial support & rewards are offered to those faculty who present papers at National and International Conferences and Seminars and to those who publish papers in reputed National and International Journals.

The College has various Add-On Certificate Courses that have beenstarted to enhance and enrich the student's learning experience inthe College. This ensures a holistic approach to learning and develops the necessary skills for various vocations and careers. Add-On courses are aligned with the KTU academic calendar.Colleges have the flexibility to suggest new courses as the jobmarket needs to dictate, and also advice from the industry is takeninto account.

File Description	Documents
Paste link for additional information	https://www.jeccac.in/IQAC
Upload any additional information	View File

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)	A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.jeccac.in/IQAC/iqac_admin/assets/home_img/6.5.1_College_Annual_Report_20243.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

JECC ensures safety measures in different perspects. Women Development Cell (WDC) in JECC named as"SANSKRITHI" acts as a forum for providing self-empowerment of girl students and lady faculties, to take care of the problems and matters related to them and to empower them in the society. Every year WDC conducts a variety of events for the upliftment of women and to spread the importance of gender equality in society. No one is allowed to enter the campus without a valid ID card. In order to prevent anyadverse events, the campus and hostels are monitored by CCTV 24 x 7. For each laboratory course, a laboratory manual explaining Do's and Don'ts has been prepared to ensure a peaceful and sustainable laboratory environment for students and teachers. To ensure everyone's safety, fire extinguishers and first-aid kits have been positioned in prime areas of the campus. Counselling: The recent adult behavior by the students creates a lot of anxiety among parents and society. To overcome this counselling sessions separately for boys and girls are arranged by renowned counsellors. Common Restrooms: The College has well-furnished rest rooms for boys and girls which are used by them when they need any physical rest.

File Description	Documents
Annual gender sensitization action plan	https://jeccac.in/IQAC/iqac_admin/assets/home_img/7.1.1_B_ANNUAL_GENDER__SENSITIZATION_ACTION_PLAN_2023-24.pdf
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	https://jeccac.in/IQAC/iqac_admin/assets/home_img/7.1.1_A_Specific_Facilities_Provided_For_Women_2023-24.pdf

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	View File
Any other relevant information	View File

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

Jyothi Engineering College is strongly committed to waste management and strongly advocates conservation of resources, to generate minimal waste and manage it from its inception to its final disposal. Segregation of waste at source is administered for effective waste management strategy- Reduce, Reuse and Recycle.

Solid Waste Management- The solid waste generated in the campus and hostels including wrappers, metals, paper and plastics are collected and segregated into different types of bio and nonbiodegradable waste and disposed of accordingly. The processed food waste is sent to piggeries periodically. Most of the official communications like notices, minutes are shared through WhatsApp or e-mails.

Liquid Waste Management- The institution is a forerunner in

educating young minds by organising events like World Water Day each year on relevant themes, to reinforce the idea of valuing and conserving water. Liquid waste or sullage generated in the institution is treated and disposed of into soak pits.

E-waste management- The institute gives diligent importance to Ewaste management by ensuring that electronic goods are put to optimum use; the minor repairs and periodic maintenance is assured by the technical staff and the Laboratory assistants; the rest of the e-wastes are collected by an e-waste collection agency.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	[View File](#)
Geo tagged photographs of the facilities	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. **Restricted entry of automobiles** 2. **Use of bicycles/ Battery-powered vehicles** 3. **Pedestrian-friendly pathways** 4. **Ban on use of plastic** 5. **Landscaping**	A. Any 4 or All of the above

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

7.1.6 - Quality audits on environment and energy 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	**B. Any 3 of the above**

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

7.1.7 - The Institution has 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	**C. Any 2 of the above**

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

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).

The Institution shows immense pleasure and responsibility in the aspect of tolerance and harmony in the fields of cultural, regional, linguistic, communal socio-economic and other diversities. With the precise inputs of Management and Principal, the Institution is conducting initiatives and programmes withinthe campus to achieve an inclusive environment for all the students and staff. By conducting such events and celebrations, the students learn experience and cultivate social responsibility, and inculcate interpersonal and intrapersonal skills through participation.

Students from outside the state are encouraged to join the college and such students are required to meet the Principal in person and seek admission.

Efficient faculty members from outside the state are also welcomed to the Institute.

Institute is keen on helping the meritorious and financially backward students. Different slabs on the basis of the KEAM rank are formed right from the formation of the Institution. The Institution has been kind enough to spend a large amount as scholarship every year to these students.

Institute has the regular practice of conducting various events/activities in order to alleviate socio economic barriers among the students and staff members.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

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

Civic duties are not only restricted to books for children but it is a foundation on which the future of any country rests. College should leave no stone unturned to make it interesting for students so that they are compelled to implement the learning in their lives. The best way to inculcate the importance of civic duties in students is by imbibing patriotic values. Every year the Institute celebrates Republic Day, and Independence Day on January 26 and August 15 respectively. The celebrations were attended by Students, Teaching and Non-teaching Staff, Invitees, guests and any attendees. Flag hosting with the National anthem and oath of national integrity followed by distribution of sweets is the regular decorum of the programme.

Students consistently and regularly participate in the cleaning activities. The programme initiates with Preamble reading of the constitution followed by lectures on the sensitization of students on responsibility towards the constitutional values, rights, duties and responsibilities of citizens. Students are encouraged to rebuild homes, LED bulb making, mask making, book collection, cloth bag distribution, and awareness campaigns for blood donation are done in this period.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://jeccac.in/IQAC/iqac_admin/assets/home_img/7.1.9_NSS_Report_2023-24.pdf
Any other relevant information	https://jeccac.in/IQAC/iqac_admin/assets/home_img/5.1.5_Anti_Ragging_2023_2024.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers,	**A. All of the above**

administrators and other staff and conducts periodic 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

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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

College makes high efforts and importance to celebrate national and international days. International Days are celebrated to mark important aspects of human life and history. Every year the college celebrates Independence Day, Republic day with flag hoisting. Every year the college celebrates national science day with invited talk from eminent persons. The main objective of National Science Day is to bring awareness to students about the importance of science in our daily life. Every year natura(Environmental forum in college) celebrates the environmental day in college in an auspicious way. The programme initiates with Preamble reading of the constitution followed by lectures on the sensitization of students on responsibility towards the constitutional values, rights, duties and responsibilities of citizens. Institute celebrates International commemorative days like Engineer's Day, Teacher's Day, World Palliative care Day, World Environment Day, World Nature Day. International days are celebrated to educate and aware the students on issues of concern to address global problems. Institution organizes various activities for students to createawareness among the staff & students.

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

7.2 - Best Practices

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

Enhancing Student Success Through Classroom Mentoring and Home Visits

- **Enhancing students' academic performance and personal growth can be greatly facilitated by fostering excellent relationships between teachers and students and offering invaluable support through (Student Mentoring Manager) SMM Portal.**
- **Visiting the homes of weaker students as part of a mentoring program can significantly enhance the relationships between students, staff, and parents, leading to improved academic outcomes.**
- **By reviewing the student's academic records and understanding any personal challenges beforehand, teachers can approach the visit with empathy and insight.**
- **Follow-up communication to monitor progress and offer continuous mentorship solidifies this partnership, ultimately fostering a collaborative environment that boosts the student's academic performance and well-being.**

Social and Technical activities through Centre for Water Research and Education

- **To provide services and to educate the public towards the water issues with focus on maintenance of domestic water sources.**
- **For the benefit of the society our college is providing free website information to the people on water and sanitation. As part of CWRE, water sample testing is carried outand remedial measures are provided**
- **CWRE received numerous requests for the water quality**

checking. Collection and Analysis of numerous water samples is the major issue.

File Description	Documents
Best practices in the Institutional website	https://jeccac.in/IQAC/iqac_admin/assets/home_img/7.2.1 Enhancing_ Student Success Through Classroom Mentoring and Home Visits .pdf
Any other relevant information	https://www.cwre.jecc.ac.in/

7.3 - Institutional Distinctiveness

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

- **The first in South India and the sixth in India, the Integrated Industrial Incubation Centre (IIIC) was established by Jyothi Engineering College through an MOU with TATATechnologies Ltd. T-shaped professionals are what we train our students to be. While the horizontal bar on the T-shaped person represents the person's abilities in interdisciplinary fields and life skills, the vertical bar shows the depth of knowledge and skills in the engineering stream of their choice.**
- **Virtual Labs (VL): Activities that normally occur in actual laboratory settings can be simulated interactively and digitally in virtual labs. to give people remote access to labs in different engineering and scientific fields. These virtual laboratories would serve research academics as well as undergraduate and graduate students.**
- **Mini FABLAB: With the help of Kerala Startup Mission (KSUM) and APJ Abdul Kalam Technological University, Jyothi Engineering College constructed a mini fabrication laboratory on campus. In a tiny fab lab, prototyping tools include 3D printers and laser cutters. Digitally design your concept, attend training, and refine prototypes while gathering feedback from others to produce a successful end result.**

File Description	Documents
Appropriate web in the Institutional website	[View File]
Any other relevant information	[View File]

7.3.2 - Plan of action for the next academic year

Our institution proudly achieved NBA re-accreditation, meeting all standards of excellence. Building on this milestone, we are actively pursuing autonomous status from UGC to enhance academic freedom and innovation.

Through TATA IIIC, we are introducing advanced training programs to equip engineering graduates and professionals with cutting-edge skills. Meanwhile, our water institute (CWRE) is undertaking transformative water treatment and distribution projects to address critical societal needs.

Each department is committed to hosting at least one faculty development program annually, fostering a culture of academic excellence and collaboration. To enhance student placement outcomes, we are intensifying professional training initiatives, preparing graduates with industry-ready skills.

Our Technology Business Incubator (TBI) is cultivating a thriving startup ecosystem focused on software development, electric vehicles, 3D manufacturing, and civil engineering construction. Additionally, plans are underway to expand academic offerings by introducing new undergraduate programs, aligning with global industry demands.

These initiatives reflect our unwavering dedication to innovation, skill development, and societal impact, ensuring our institution remains a leader in engineering education.