YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution   JAYA ENGINEERING COLLEGE

- Name of the Head of the institution   Dr.Suresh Kumar .V

- Designation   Principal

- Does the institution function from its own campus?   Yes

- Phone no./Alternate phone no.   04426300982

- Mobile no   9443582261

- Registered e-mail   info@jec.ac.in

- Alternate e-mail   principal@jec.ac.in

- Address   CTH Road, Prakash Naga, Thiruninravur

- City/Town   Chennai

- State/UT   Tamil Nadu

- Pin Code   600082

2.Institutional status

- Affiliated /Constituent   Affiliated

- Type of Institution   Co-education

- Location   Rural

- Financial Status   **Self-financing**

- Name of the Affiliating University **Anna University**

- Name of the IQAC Coordinator   **Dr. S. RAJENDRAN**

- Phone No.   **044**

- Alternate phone No.   **07010778793**

- Mobile   **9551329915**

- IQAC e-mail address   **iqac@jec.ac.in**

- Alternate Email address   **vp@jec.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)   https://jec.ac.in/aqar-2022-23/

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

- if yes, whether it is uploaded in the Institutional website Web link: https://jec.ac.in/academic-calendar-2/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B+**	**2.70**	**2022**	**14/06/2022**	**13/06/2027**

6.Date of Establishment of IQAC   **29/09/2021**

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
NIL	**NIL**	**NIL**	**NIL**	**NIL**

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 uploaded on the institutional website? Yes

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

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

- If yes, mention the amount

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

- Enhanced Teaching and Learning Practices: IQAC introduced new methodologies such as blended learning, flipped classrooms, and project-based assessments to improve student engagement and learning outcomes.

- Curriculum Review and Revision: The IQAC conducted a thorough review of the curriculum, aligning it with industry standards, emerging trends, and student feedback, ensuring its relevance and academic rigor.

- Faculty Development Programs: IQAC organized workshops, webinars, and training sessions for faculty members, focusing on the integration of new technologies in teaching, research methodologies, and pedagogical strategies.

- Student Feedback Mechanism: IQAC strengthened the student feedback system to collect data on teaching effectiveness, infrastructure, and overall academic experience, using it for continuous improvement in quality.

- Accreditation and Compliance: IQAC played a pivotal role in preparing the institution for national and international accreditation processes, ensuring adherence to quality standards, and addressing the necessary criteria for successful assessment.

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
a. Academic Quality Improvement • Curriculum Review and Update: o Organize meetings with academic departments to review the curriculum and identify areas for update based on emerging trends, industry needs, and student feedback. • Enhancement of Teaching-Learning Processes: o Encourage the use of modern teaching aids such as smart classrooms, e-learning platforms, and multimedia content. o Facilitate faculty development programs on new pedagogies, research methodologies, and technology use. • Student Support Systems: o Strengthen counseling services, career guidance, and mentoring programs for students. o Set up tutoring and remedial sessions for academically weaker students. • Student Feedback Mechanism: o Develop and implement a structured system for collecting student feedback on courses, teaching methods, and campus facilities.	a. Academic Quality Enhancement • Curriculum Upgradation: o The curriculum is updated and aligned with industry needs, resulting in improved student outcomes. • Improved Teaching-Learning: o Faculty members incorporate new teaching methods, leading to enhanced student engagement and learning. • Better Student Performance: o Increased student satisfaction and improved performance in exams, as a result of better teaching practices, student support, and feedback incorporation.
b. Research and Innovation • Encouragement of Research Activities: o Promote faculty research by offering seed grants and setting up research committees. o Encourage faculty members to present papers at national/international conferences and collaborate with other institutions. • Establishment of Research Centers: o Identify and establish specialized research centers in emerging fields.	b. Research and Innovation • Research Output: o Increased number of research papers published in reputed journals, faculty participation in international conferences, and new research collaborations. • New Research Centers: o Establishment of one or more research centers focused on cutting-edge topics, driving innovation within the institution.

c. Administrative Quality Improvement • Digitalization of Administrative Processes: o Implement e-governance solutions for smoother admission, examination, and communication processes. • Faculty and Staff Development: o Organize professional development programs and training workshops for faculty and staff in areas such as time management, student interaction, and leadership skills.	c. Administrative Efficiency • Streamlined Processes: o Efficient administrative operations through digitalization, leading to faster admissions, grading, and communication. • Professional Development: o Faculty and staff show noticeable improvements in administrative and teaching capabilities, fostering a more professional and productive environment.
d. Infrastructure and Learning Resources • Enhancement of Campus Infrastructure: o Develop better facilities such as libraries, laboratories, hostels, sports facilities, etc. o Ensure Wi-Fi availability across the campus and improve classroom infrastructure with modern teaching tools. • Library and Learning Resources: o Increase access to e-resources and update library holdings with relevant academic materials.	d. Infrastructure and Learning Resources • Upgraded Infrastructure: o The campus sees significant improvement in physical infrastructure, including classroom technologies, campus facilities, and internet access. • Enhanced Library Resources: o A more resourceful library with updated books, journals, and e-resources, leading to a better learning experience.
e. Community Engagement and Social Responsibility • Extension Activities: o Organize community outreach programs such as health camps, awareness drives, and skills training. o Collaborate with NGOs, government bodies, and industries for social welfare initiatives.	e. Community and Social Responsibility • Successful Extension Programs: o Positive community feedback from outreach programs and partnerships with local organizations, promoting the institution's social responsibility efforts.
f. Academic and Administrative Audits • Internal Audits: o Conduct academic audits and review departmental performance periodically. • External Audits: o Invite external agencies to	f. Academic and Administrative Audits • Positive Audits: o External audits lead to accreditation or recognition from higher authorities, validating the institution's

| evaluate and suggest improvements for maintaining high standards of quality. | commitment to quality enhancement. |

13.Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

Name	Date of meeting(s)
Academic Audit	23/12/2024

14.Whether institutional data submitted to AISHE

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| Conduct academic audits and review departmental performance periodically. • External Audits: o Invite external agencies to evaluate and suggest improvements for maintaining high standards of quality. | External audits lead to accreditation or recognition from higher authorities, validating the institution's commitment to quality enhancement. |

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- Name of the statutory body

Name	Date of meeting(s)
Academic Audit	23/12/2024

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022-23	15/03/2024

15.Multidisciplinary / interdisciplinary

Multidisciplinary and interdisciplinary approaches refer to ways of combining knowledge and methods from different academic disciplines to address complex issues or create new insights. While the terms are often used interchangeably, they have distinct meanings: 1. Multidisciplinary Definition: A multidisciplinary approach involves bringing together knowledge, methods, and perspectives from different disciplines, but each discipline works within its own framework without integration or overlap. Characteristics: Multiple disciplines: Experts from various fields work on a common problem. Parallel approach: Each discipline tackles the issue from its own perspective, and the results are brought together at the end. Limited interaction: While disciplines contribute their expertise, they do not necessarily integrate or synthesize their methods and findings. 2. Interdisciplinary Approach Definition: An interdisciplinary approach goes a step further by integrating the perspectives, methods, and knowledge from different disciplines to create a more cohesive and holistic understanding of a problem or topic. Characteristics: Blending of disciplines: The boundaries between

disciplines are often blurred, and knowledge is synthesized to address complex problems. Collaborative: There is significant interaction and collaboration among researchers from different fields, sharing and combining ideas, methods, and frameworks. Integration of ideas: The outcome is often a new perspective that could not have been achieved by any single discipline alone.

16.Academic bank of credits (ABC):

The Academic Bank of Credits (ABC) is an innovative system introduced in India to enhance flexibility, mobility, and quality in higher education. It acts as a digital repository that stores the credits earned by students throughout their academic journey. The system is designed to facilitate the transfer of credits across different institutions, enabling students to combine and accumulate credits earned from various courses, programs

17.Skill development:

Skill development refers to the process of learning or enhancing the specific abilities, knowledge, and competencies required to perform particular tasks or activities. It plays a critical role in improving employability, increasing productivity, and ensuring that individuals are well-prepared to meet the demands of the workforce and adapt to changing industry needs. Skill development can be formal or informal, and it is often focused on both hard (technical) skills and soft (interpersonal) skills. Types of Skills: Hard Skills: These are technical skills that are specific to certain jobs or industries. Examples include programming, data analysis, machinery operation, accounting, and engineering. Soft Skills: These are interpersonal or behavioral skills that contribute to effective communication, teamwork, and personal growth. Examples include leadership, communication, problem-solving, and time management. Training and Education: Skill development can occur through formal education (e.g., schools, universities, and technical institutes) or through vocational training programs. It can also occur through on-the-job training, apprenticeships, workshops, online courses, and certifications. Importance for Employment: In today's fast-evolving job market, employers seek candidates with a combination of technical proficiency and soft skills. Skill development helps individuals improve their qualifications, making them more competitive in the labor market and increasing their chances of finding employment. Industry Collaboration: Collaboration between industry players, educational institutions, and government bodies is essential for aligning skill development programs with current industry requirements. Industry-specific certifications and

partnerships with global companies can help provide high-quality training tailored to market demands. Lifelong Learning: As technology and industries evolve, continuous skill development and upskilling are necessary to maintain relevance in the workforce. This concept of lifelong learning encourages individuals to keep acquiring new skills throughout their careers to stay adaptable to changing job requirements. Digital Skills: In today's digital age, proficiency in digital technologies is essential. Skill development in areas like coding, digital marketing, cybersecurity, artificial intelligence, and data science is crucial for both individuals and organizations to stay competitive. Skills for Entrepreneurship: Skill development programs also focus on entrepreneurial skills, equipping individuals with the tools to start and manage businesses. This includes financial literacy, leadership, innovation, and market knowledge.

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

The appropriate integration of the Indian Knowledge System (IKS) into modern education, particularly through the use of Indian languages, culture, and online courses, is a crucial step in preserving and promoting India's rich heritage while ensuring that it aligns with contemporary educational standards. This integration aims to enhance the learning experience, promote cultural diversity, and contribute to the holistic development of students. It also plays a key role in the vision set by India's National Education Policy (NEP) 2020, which advocates for the inclusion of indigenous knowledge systems. Teaching in Indian Languages: Promotion of Indian Languages: The NEP 2020 emphasizes the need for education in mother tongue or regional languages at least until Grade 5, and ideally up to Grade 8. This encourages the use of languages like Hindi, Tamil, Sanskrit, Punjabi, Marathi, Kannada, and others in both formal and informal educational settings. Educational Materials in Indian Languages: Creating textbooks, online resources, and teaching aids in various regional languages will promote inclusivity, ensuring that children from different linguistic backgrounds have equal access to quality education. Cultural Integration in Curriculum: Incorporating Indian Traditions and Philosophy: The Indian Knowledge System encompasses a vast array of subjects, from Vedic teachings, Ayurveda, Yoga, Indian classical music, literature, and art to mathematics and astronomy. Integrating these aspects into the curriculum can foster a deeper connection to Indian heritage. Using Online Courses and Technology: Digital Platforms

for Indian Knowledge: Leveraging technology to provide online courses in subjects rooted in Indian culture and knowledge can ensure wider reach. Platforms like SWAYAM (Study Webs of Active Learning for Young Aspiring Minds), which offers free online courses, can include content related to traditional knowledge, languages, history, and cultural practices. Revitalizing Traditional Knowledge Systems: Yoga and Physical Education: Yoga, an essential part of the Indian knowledge system, is gaining recognition worldwide for its health benefits. Teaching Yoga as part of the physical education curriculum can promote mental and physical well-being among students. Encouraging Local and Indigenous Knowledge in Contemporary Education: Project-based Learning and Community Involvement: Encouraging students to engage in community-based learning that involves local cultural practices, crafts, and traditions can help bring knowledge to life in a practical, hands-on manner. Promoting Global Awareness through Indian Knowledge: Interdisciplinary Courses: Developing interdisciplinary programs that connect Indian history, literature, philosophy, art, and science with contemporary subjects will allow students to appreciate the relevance of Indian Knowledge Systems in modern contexts. Benefits of Integration: Preserving and Promoting Cultural Heritage: Integrating Indian Knowledge Systems into modern education ensures that traditional wisdom is preserved and passed down to future generations. It also helps students connect with their cultural roots. Enhancing Critical Thinking: Exposure to diverse intellectual traditions encourages students to approach problems from various perspectives, fostering creativity and critical thinking. Holistic Education: The integration of IKS provides a more comprehensive learning experience, combining the best of traditional and modern knowledge to produce well-rounded individuals. Improved Access to Education: By offering learning materials and courses in local languages and through online platforms, education becomes more accessible to students from different linguistic and regional backgrounds. Global Recognition of Indian Knowledge: By promoting India's unique cultural and intellectual contributions, the integration of IKS into the curriculum can lead to global recognition and respect for India's heritage.

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

Outcome-Based Education (OBE) is an educational approach that focuses on the desired outcomes or competencies that students are expected to achieve by the end of a program or course. Unlike traditional education models that emphasize content delivery, OBE

is centered around what students know, understand, and can do after completing their studies. The key principle of OBE is to align teaching methods, learning activities, and assessment strategies with clear, measurable outcomes. Key Features of Outcome-Based Education (OBE): Clear Learning Outcomes: Learning outcomes are specific statements that define what students should be able to achieve by the end of a lesson, course, or program. These outcomes are typically categorized into cognitive (knowledge), psychomotor (skills), and affective (attitudes and values) domains. Outcomes are measurable and assessable, ensuring that both students and instructors have a clear understanding of educational goals. Student-Centric Approach: OBE focuses on the student's learning journey rather than the content being taught. The model emphasizes active learning, where students are expected to demonstrate their competencies through various forms of assessment. Teaching strategies are designed to facilitate the achievement of learning outcomes, and students are encouraged to take responsibility for their own learning progress. Alignment of Curriculum, Teaching, and Assessment: The curriculum is developed based on the desired learning outcomes. It ensures that every learning activity and assessment is designed to support students in achieving those outcomes. Assessments are aligned with outcomes and can include tests, projects, presentations, practical exams, and peer evaluations. This ensures that assessments measure the skills and knowledge students are expected to acquire. Continuous Assessment: OBE emphasizes continuous assessment rather than relying solely on final exams. This approach includes regular feedback, quizzes, assignments, group work, and other forms of assessment to track student progress toward achieving learning outcomes. Regular evaluations allow students to understand their strengths and areas for improvement and make necessary adjustments in their learning strategies. Steps in Implementing OBE: Define Program and Course Outcomes: Clearly define what students should know, understand, and be able to do by the end of a program or course. These outcomes should align with the broader goals of the educational institution and meet industry or societal needs. Design the Curriculum: Develop a curriculum that supports the achievement of the defined learning outcomes. This involves selecting appropriate learning activities, teaching methods, and materials that will help students meet the intended outcomes. Ensure that the curriculum is structured in a way that progressively builds the competencies required to achieve the program outcomes. Develop Assessments: Create assessments that measure the extent to which students have achieved the learning outcomes. Assessments should be varied and align with the intended

outcomes. They may include written exams, practical tests, presentations, or projects. Ensure that feedback from assessments is used to guide future learning, allowing students to track their progress and adjust their learning strategies. Monitor Progress and Provide Feedback: Continuously monitor student progress through ongoing assessments, ensuring that students are meeting the learning outcomes. Provide feedback to help students improve their performance and address any gaps in learning. Encourage self-assessment and peer feedback, fostering a reflective learning environment. Review and Improve: Regularly review the outcomes, curriculum, and assessment methods to ensure that they remain relevant and effective in helping students achieve the desired competencies. Collect feedback from students, faculty, and industry professionals to continually improve the OBE system.

20.Distance education/online education:

Online education is a rapidly growing sector that provides students with flexible, accessible, and diverse learning opportunities. It allows individuals to pursue knowledge and skills without the constraints of traditional education systems. Despite its challenges, such as the need for self-discipline and the limitations of hands-on learning, online education offers significant benefits, especially in terms of convenience, cost-effectiveness, and accessibility. As technology continues to evolve, online education will likely continue to play a pivotal role in shaping the future of global education.

Extended Profile

1.Programme

1.1   826

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

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

2.Student

2.1   1469

Number of students during the year

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

2.2   **462**

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

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

2.3   **343**

Number of outgoing/ final year students during the year

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

3.Academic

3.1   **163**

Number of full time teachers during the year

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

3.2   **162**

Number of sanctioned posts during the year

Extended Profile	
1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	**826**

File Description	Documents
Data Template	View File

2.Student	
2.1 Number of students during the year	**1469**

File Description	Documents
Institutional Data in Prescribed Format	View File

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File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	**343**

File Description	Documents
Data Template	View File

3.Academic	
3.1 Number of full time teachers during the year	**163**

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	**162**

File Description	Documents
Data Template	<u>View File</u>

4.Institution

4.1 Total number of Classrooms and Seminar halls	**72**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**400**
4.3 Total number of computers on campus for academic purposes	**944**

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 institution ensures effective curriculum delivery through a well-planned and documented process by following a systematic approach that guarantees quality education and alignment with academic goals.

Structured Academic Calendar: An academic calendar outlining important dates for lectures, examinations, seminars, and other academic activities is prepared and shared in advance.

Class Schedules: Timely preparation and communication of class schedules ensure smooth course delivery.

Lesson Plans: Faculty members prepare detailed lesson plans that cover the topics to be taught, instructional methods, and expected outcomes.

Course Material Distribution: Learning resources like textbooks,

reference materials, e-books, and videos are made available to students well in advance.

Internal Audits: Regular monitoring through academic audits and feedback mechanisms ensures that curriculum delivery is on track.

Regular Assessments: Conducting regular formative assessments, assignments, and quizzes helps monitor student progress and adjust teaching strategies as needed.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://jec.ac.in/academic-calendar-2/

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

Approved Academic Calendar: Share the institution's academic calendar for the year, which includes the schedule for CIE such as internal assessments, assignments ant evaluation methods. This demonstrates planning and adherence to a structured timeline.

CIE Policies: Outline the policies governing the Continuous Internal Evaluation system, showing that CIE is integrated as a continuous process in the academic schedule.

Records of Internal Assessments: Provide details of the internal assessments conducted as per the calendar, including question papers, assignment topics, and attendance records for evaluation activities.

CIE Results: Present the results of internal evaluations, including individual student progress reports or consolidated results, showing that the CIE process is executed according to the set schedule.

Notices and Announcements: Document any official notices, emails, or announcements related to CIE schedules, reminding students and faculty about important dates, which serves as evidence of timely conduct.

Grievance Redressal If students have faced any issues with CIE timelines or conduct, demonstrate how the institution addressed these complaints, maintaining adherence to the academic schedule.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://jec.ac.in/exam-cell-2/

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

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

26

File Description	Documents
Any additional information	**No File Uploaded**
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)

23

File Description	Documents
Any additional information	**No File Uploaded**
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

810

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

1.3 - Curriculum Enrichment

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

The institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment, and Sustainability into the curriculum through the following measures:

Professional Ethics:

- **Course Integration:** Several programs include dedicated modules on professional ethics, such as Engineering Ethics and Research Ethics. These courses equip students with the knowledge and frameworks to address ethical dilemmas in their professions.

Gender Sensitization

- **Curriculum:** Courses on gender studies, women's rights, and gender equality are integrated into several programs. These courses foster an understanding of gender issues and promote equality.
- **Workshops and Campaigns:** Gender sensitization workshops and campaigns are conducted to raise awareness about gender issues. The institution also has an active Gender Equality Cell to address gender concerns on campus.

Human Values

- **Value Education:** Mandatory value education courses focus on human rights, ethics, empathy, and civic responsibility. These courses help instill core human values in students.

Environment and Sustainability

- **Environmental Studies:** Environmental studies are a compulsory part of the undergraduate curriculum, covering topics such as environmental conservation, sustainable development, and climate change.

Extra-Curricular and Interdisciplinary Approaches

- **Clubs and Societies:** Various student clubs are dedicated to environmental protection, human rights, and gender equality, organizing awareness programs, debates, and activities.

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

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

17

File Description	Documents
Any additional information	**No File Uploaded**
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	**No File Uploaded**
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

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

351

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	**A. All of the above**

institution from the following stakeholders Students Teachers Employers Alumni	

File Description	Documents
URL for stakeholder feedback report	https://jec.ac.in/feedback-form/
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	**A. Feedback collected, analyzed and action taken and feedback available on website**

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://jec.ac.in/feedback-form/

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

361

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

107

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

Assessing Learning Levels and Organizing Programs for Advanced and Slow Learners, the institution should demonstrate its process for identifying the different learning levels of students and implementing specialized programs for both advanced learners and slow learners.

Process of Assessing Learning Levels:

- **Methods of Assessment:**
    - **Class performance monitoring.**
    - **Continuous Internal Assessment (CIA).**
    - **Student feedback and self-assessment.**
    - **Interaction with teachers.**

Programs for Slow Learners:

- **Remedial Classes: Conduct special classes to reinforce fundamental concepts.**
- **Mentorship: Faculty mentors work closely with slow learners to address individual challenges.**
- **Extra Practice Sessions: Regular extra tutorials or practice sessions focusing on key subjects.**

Programs for Advanced Learners:

- **Additional Assignments: Provide challenging tasks and projects to stimulate critical thinking.**
- **Enrichment Programs: Organize seminars, workshops, or guest lecturers for deeper subject knowledge.**
- **Research Opportunities: Encourage involvement in research projects, competitions, and paper presentations.**
- **Leadership Roles: Encourage them to mentor slow learners or take on leadership roles in academic clubs.**

Impact and Outcomes:

- **Improved academic performance and pass percentages.**
- **Enhanced participation of advanced learners in national/international competitions.**
- **Progression of slow learners in subsequent assessments.**

File Description	Documents
Paste link for additional information	https://jec.ac.in/center-teaching-learning-services/
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
1383	163

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

Student-centric methods, such as experiential learning, participative learning, and problem-solving methodologies, are designed to place students at the centre of the learning process, enhancing their overall experience and engagement.

Experiential Learning:

- **Field Visits & Internships: Students participate in real-world projects and internships, collaborating with industries or organizations.**
- **Laboratory Work & Practical Sessions: Application of theoretical concepts through experiments, simulations, and models in labs.**
- **Project-Based Learning: Students work on projects that relate to real-world challenges, helping them gain practical experience.**

Participative Learning:

- **Group Discussions & Debates: Encourages peer interaction, allowing students to discuss topics and develop their own viewpoints.**
- **Workshops & Seminars: Interactive sessions where students actively contribute by asking questions, presenting their work, and engaging in group activities.**

Problem-Solving Methodologies:

- **Problem-Based Learning: Students are given complex, real-world problems to solve, which promotes critical thinking, analysis, and decision-making skills.**
- **Hackathons/Competitions: Events like coding challenges, design sprints, and research competitions that push students to solve problems creatively.**

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://jec.ac.in/center-teaching-learning-services/

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

Teachers use ICT (Information and Communication Technology) enabled tools in the teaching-learning process to enhance the quality and effectiveness of education.

Interactive Learning: Digital platforms, such as smart boards and interactive software, engage students more actively in the learning process, promoting participation and collaboration.

Access to Resources: Teachers can use online resources, such as e-books, videos, and websites, to provide students with a wide range of learning materials beyond traditional textbooks.

Assessment and Feedback: ICT tools allow for more efficient and effective assessment methods, such as online quizzes, assignments, and automated feedback systems, which help in tracking student progress in real-time.

Distance Learning: With the help of virtual classrooms, video conferencing, and e-learning platforms, teachers can reach

students who may not be able to attend physical classes, thus expanding access to education.

Collaboration and Communication: Teachers can use tools like email, forums, and social media for effective communication with students, as well as collaboration tools for group work, which fosters peer learning.

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

160

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

163

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

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

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

43

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

926

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 institution follows a well-defined, transparent, and robust mechanism for internal assessment that ensures fairness and consistency in evaluating student performance. The internal assessment process incorporates various modes and frequencies to provide a comprehensive evaluation of students' academic progress and overall development.

Transparency in Internal Assessment Mechanism:

Pre-Defined Criteria: At the beginning of the academic year, detailed guidelines regarding the assessment criteria, weightage for assignments, tests, practicals, projects, and attendance are communicated to students.

Grievance Redressal System: A structured grievance redressal system allows students to raise concerns regarding their internal assessments, ensuring fairness and transparency.

Continuous Evaluation: The institution adopts a continuous evaluation system, where students are assessed regularly through quizzes, class tests, assignments, presentations, group activities, and projects. These are spread throughout the semester to maintain regularity.

Written and Practical Exams: Internal assessments include written exams, practical exams for lab-based subjects, and viva-voce for oral examination.

Assignments and Project Work: Students are assigned individual or group projects, which allow them to explore real-world applications of their coursework. Project evaluations focus on innovation, research, and analytical skills.

File Description	Documents
Any additional information	View File
Link for additional information	https://jec.ac.in/exam-cell-2/

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

This system ensures that internal examination grievances are dealt with fairly and promptly, boosting students' trust in the examination system.

Transparent Mechanism

- **Clear Policy Communication: Ensure that the grievance redressal policy is well-documented and communicated to all stakeholders via website, notice boards, and student handbooks.**
- **Examination Guidelines: Publish clear examination and re-evaluation guidelines, including deadlines, evaluation criteria, and procedures for rechecking, revaluation, or recounting marks.**

Time-bound Mechanism

- **Defined Timeline for Redressal: Establish strict deadlines for each step of the grievance handling process:**

Efficient Mechanism

- **Grievance Redressal Committee: Set up a dedicated committee of faculty and administration staff responsible for reviewing grievances and ensuring quick and fair resolutions.**
- **Student Feedback: Gather feedback from students regarding their experience with the grievance redressal system, and use this input to improve the process further.**

Awareness Programs

- **Workshops and Orientations: Conduct workshops at the beginning of the academic session to educate students on the grievance redressal procedure and their rights regarding examination-related issues.**

File Description	Documents
Any additional information	[View File]()
Link for additional information	https://jec.ac.in/exam-cell-2/

2.6 - Student Performance and Learning Outcomes

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

Programme Outcomes and Course Outcomes are publicly stated and displayed on the website of an institution. This is an important

aspect of academic transparency, as it provides detailed information about the educational goals and expectations for various programs and individual courses offered by the institution.

Clear Educational Goals

Programme Outcomes define the broad skills, knowledge, and competencies students are expected to gain by the end of the program. They provide a framework for the overall educational objectives of the program.

Course Outcomes focus on the specific skills and knowledge that students will acquire by the end of each individual course, allowing for a more granular understanding of the educational journey.

Guiding Students' Learning Experience

Knowing the expected outcomes of a program or course helps students better understand the value of their studies. This transparency can guide their learning efforts, decision-making, and career planning.

Continuous Improvement

Transparent outcomes provide a foundation for ongoing evaluations and assessments of the educational process. They enable feedback from students, alumni, and employers, which can be used to refine both the program and individual courses.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://jec.ac.in/b-e-computer-science-engineering/
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 attainment of POs and COs is evaluated through a combination

of direct and indirect assessment methods, with a focus on data-driven analysis to ensure continuous improvement in teaching and learning. This process ensures that academic programs maintain high standards and meet the expectations of stakeholders, including students, faculty, employers, and accrediting bodies.

1. Assessment Methods for Attainment

Exams & Assignments: These assess students' knowledge and understanding of the course material, directly reflecting the COs.

Laboratory Work/Practical: Especially for technical courses, these assessments evaluate hands-on skills and the application of knowledge.

·Indirect Assessment

Surveys and Feedback: Students, faculty, and employers may provide feedback on whether the program or course has met its intended outcomes.

2. Mapping of COs to POs

CO-PO Mapping: Institutions often map COs to POs to ensure that individual courses contribute to the overall program outcomes.

3. Continuous Improvement

Analysis of Attainment: After evaluating the attainment of POs and COs, institutions analyze the data to identify areas of improvement.

4. Documentation and Reporting

Institutions maintain records of how each course and program outcome has been assessed. This documentation is used for internal review, external audits, and accreditation purposes.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://jec.ac.in/b-e-computer-science-engineering/

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

165

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	Nil

2.7 - Student Satisfaction Survey

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

https://docs.google.com/forms/d/e/1FAIpQLSeULecAVLPbla6sPX9V4XGD
ItRvqxgXWUHn8rKFR69hLu344g/viewform

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)

3.85

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

6

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

9

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	Nil

3.2 - Innovation Ecosystem

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

The institution can effectively support the creation and transfer of knowledge, benefiting both the academic community and society at large. This approach can lead to technological advancements, new industries, and significant economic and social impact.

- Research and Development (R&D) Programs: These programs support the creation of new knowledge, technologies, or solutions. Research centers or labs focused on cutting-edge fields foster innovation and provide the foundation for new discoveries.

- **Innovation Hubs or Incubators: Many institutions create innovation hubs, business incubators, or accelerators where students, faculty, and external entrepreneurs can collaborate, prototype, and scale new ideas. These spaces often offer mentorship, funding, and access to resources like laboratories or office space.**
- **Collaborations with Industry: Strong partnerships with businesses, governments, and other institutions can help transfer knowledge from academia to the market. These collaborations often include joint research initiatives, consulting projects, or technology licensing agreements.**
- **Training and Capacity Building: Offering workshops, training programs, and seminars that provide both internal and external stakeholders with the skills to turn knowledge into practical solutions. This could be in the form of entrepreneurship training, leadership development, or technical skill enhancement.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://jec.ac.in/centers-of-excellence/

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	**No File Uploaded**
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

18

File Description	Documents
URL to the research page on HEI website	**Nil**
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

106

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

113

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 institution has established a comprehensive ecosystem designed to support innovation, with a particular focus on the Indian Knowledge System, Intellectual Property Rights and technology transfer.

1. Ecosystem for Innovation

The institution has built a structured environment that nurtures creativity and the development of new ideas. This ecosystem likely includes research facilities, collaborative spaces, and partnerships with industry, which help turn innovative ideas into practical applications.

2. Promotion of Indian Knowledge System (IKS)

The institution emphasizes the importance of India's traditional knowledge, culture, and practices, fostering an awareness of IKS among students, researchers, and the community

3. IPR Awareness and Establishment of IPR Cell

The institution has made efforts to raise awareness about Intellectual Property Rights (IPR), teaching its community about patents, copyrights, trademarks, and the importance of protecting innovations.

4. Incubation Centre

The Incubation Centre plays a critical role in nurturing and scaling early-stage ventures. By offering resources such as mentoring, funding, access to labs, and business networks, the incubation center supports entrepreneurs and innovators in bringing their ideas to market.

5. Other Initiatives for Knowledge and Technology Transfer

The institution may have established strong partnerships with industries and government bodies for joint research, technology transfer, and commercialization.

File Description	Documents
Paste link for additional information	https://jec.ac.in/nss/
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

2

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

10

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

1555

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

12

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

33

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 has clearly invested in adequate infrastructure and physical facilities to create a conducive environment for teaching and learning.

1. Classrooms

Well-equipped and Modern Classrooms: Classrooms are spacious, well-lit, and designed to support interactive learning. They are equipped with smart boards, projectors, audio-visual equipment, and comfortable seating arrangements to facilitate dynamic teaching methods, such as multimedia presentations, discussions, and interactive learning.

2. Laboratories

Specialized Laboratories: The institution provides well-maintained laboratories tailored to various fields of study, such as science, engineering, computer science, and medicine. Research Laboratories.

3. Computing and IT Infrastructure

Advanced Computing Facilities: The institution offers a high-tech computer lab, including high-performance computers, servers, and networking infrastructure. Wi-Fi and Internet Access: Wi-Fi connectivity across the campus ensures students and faculty can access online resources, participate in virtual learning, and collaborate effectively.

4. Library and Learning Resources

Digital and Physical Library: The institution offers a well-stocked library, including both physical books and digital resources. It also provides access to research papers and journals, which support students' research and academic work. E-Learning Platforms: Online resources, such as course materials, e-books, video lectures, and digital learning platforms, enhance student learning both in and outside the classroom.

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

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

The institution's commitment to providing adequate facilities for cultural activities, sports, games and fitness ensures a well-rounded student experience.

1. Cultural Activities

Auditorium and Performance Spaces: The institution has spacious auditoriums or performance halls that are well-equipped to host cultural events such as theater productions, music concerts, dance performances, and art exhibitions. These spaces are designed to support various forms of artistic expression, with modern sound systems, lighting, and multimedia equipment.

2. Sports and Games

Outdoor Sports Facilities: The institution offers a wide range of outdoor sports facilities, including football fields, cricket grounds, basketball courts, tennis courts, and athletics tracks. These facilities allow students to engage in competitive sports and recreational activities.

For indoor sports, the institution provides facilities for badminton, table tennis, carom, chess, and possibly volleyball or handball, ensuring a variety of options for students.

3. Gymnasium

Well-Equipped Gym: The institution boasts a modern gymnasium with a variety of fitness equipment, including cardio machines, strength training equipment, and free weights.

4. Yoga Centre

The institution provides a yoga center or a designated wellness space where students can practice yoga and meditation. The center may be equipped with yoga mats, props, and other resources to facilitate sessions.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://jec.ac.in/cultural-club/

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

72

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://jec.ac.in/computing-centres/
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)

160

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

The institution has a well-established IT infrastructure and updates its laboratories including hardware, system and application software, and Wi-Fi connectivity periodically. Our college provides computer laboratories for every department with the required software. Internet bandwidth of 50 Mbps in 2021 was upgraded recently to 100Mbps in 2023. All the 944 computers on the campus are connected through the Local Area Network (LAN)

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://jec.ac.in/library/

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)

7.91

File Description	Documents
Any additional information	No File Uploaded
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

50

File Description	Documents
Any additional information	No File Uploaded
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

Institution frequently updates its IT facilities including Wi-Fi, you would need to present the following key points:

1. IT Infrastructure Update Schedule:

  • Document how often the institution updates its IT infrastructure, such as upgrading computers, software, and servers.
  • Provide records of recent upgrades (last 3-5 years) and plans for future updates.

2. Wi-Fi Facility Updates:

  • Describe the institution's Wi-Fi coverage, including availability in classrooms, labs, hostels, and common areas.

- Mention any expansion or enhancement of bandwidth and connectivity speeds, as well as security protocols.

3. Software Upgrades and Licenses:

   - Include information about software tools used (e.g., for learning management systems, research, and administration).
   - Document how licenses are managed and renewed to ensure students and staff have access to up-to-date resources.

4. Budget Allocation for IT Updates:

   - Present details of the financial allocation toward IT infrastructure from the institution's annual budget.
   - Include specific percentages or figures allocated for hardware, software, and network updates.

5. Technological Initiatives:

   - Highlight any special initiatives, such as introducing smart classrooms, digital libraries, or virtual labs.
   - Showcase if the institution has adopted cloud computing, data storage solutions, or other modern IT services.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://jec.ac.in/wp-content/uploads/2024/10/Policy-Rules-Processes.pdf

4.3.2 - Number of Computers

944

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	[View File](#)

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

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

305.6

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.

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

1. Maintenance Policy and Procedures:

* **Provide a detailed document or policy that outlines how the institution maintains its physical and academic facilities. This includes periodic inspections, repairs, and upgrades.**

2. Laboratory:

* **Explain the procedures for maintaining lab equipment, including calibration, repairs, and replacement schedules.**

3. Library:

- Detail the system for managing and maintaining library resources, including book acquisitions, cataloging, digital access, and repair/replacement of damaged materials.

4. Sports Complex:

- Provide a maintenance schedule for the sports complex, including gym equipment, playgrounds, courts, and other facilities.

5. Computer and IT Facilities:

- Outline the institution's system for managing computer facilities, such as regular software updates, hardware repairs, and IT support.
- Mention data security measures, such as antivirus installations and backup systems.

6. Classrooms:

- Describe the system for maintaining classrooms, such as cleaning, furniture repairs, and multimedia equipment checks.
- Explain how the classrooms are allocated and scheduled for academic activities to ensure optimal use of resources.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://jec.ac.in/wp-content/uploads/2024/10/Policy-Rules-Processes.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

831

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

21

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://jec.ac.in/capacity-building-and-skills-enhancement/
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

113

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

113

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

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

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

159

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

8

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

7

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	**No File Uploaded**
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

An institution that facilitates student representation and engagement ensures that students play an active role in shaping

the academic, cultural, and social life of the campus. By providing structured pathways for student involvement in governance and activities, the institution promotes leadership, responsibility, and a sense of community among students.

Student Council Representation:

- Institutions often establish student councils or student governments to represent the student body in administrative decision-making processes.

Inclusion in Decision-Making Bodies:

- Many institutions ensure student representation in various decision-making bodies, such as academic committees, disciplinary committees, and welfare committees.

Co-Curricular and Extracurricular Activities:

- Students are often encouraged to participate in or even lead co-curricular activities, such as debates, cultural events, sports, and community service projects.
- The institution may have dedicated departments or societies for music, drama, sports, or academic clubs, where students can showcase their talents, take on leadership roles, and contribute to the campus community.

Clubs and Organizations:

- Institutions typically provide a wide range of student clubs and organizations, including academic, cultural, social, and professional groups.
- Representation within these groups often allows students to plan activities, organize events, and enhance the overall campus culture.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/u/0/folders/1WjJvdflyi8lgOYCQkrWR_zbD5jtf60Jd
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

7

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

5.4 - Alumni Engagement

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

A registered Alumni Association plays an instrumental role in the ongoing development of an institution. The financial contributions, such as scholarships and endowments and non-financial support services, such as mentorship, career advice, internships, and networking opportunities, alumni help enhance the educational experience and ensure the institution's long-term success. Their involvement strengthens the institution's academic quality, reputation, and sustainability while providing invaluable opportunities for current students. By maintaining a strong, engaged alumni network, the institution can continue to grow, innovate, and offer an excellent education for future generations.

File Description	Documents
Paste link for additional information	https://jec.ac.in/alumni-cell/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year	**A. ? 5Lakhs**

(INR in Lakhs)

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

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The governance of an institution plays a pivotal role in ensuring that its operations, decisions, and strategies align with its vision and mission.

Strategic: The institution's leadership and governance structures are responsible for defining and regularly revisiting the vision and mission to ensure that they remain relevant and reflective of the institution's goals.

Leadership and Decision-Making: The leaders within the institution, from the board to the administration, must embody the values and objectives of the vision and mission in their actions.

Stakeholder Engagement: Good governance incorporates input from key stakeholders, including faculty, staff, students, and the community, in shaping policies that reflects the institution's mission.

Transparency: Governance that is in tune with the institution's vision and mission also ensures transparency and accountability. By establishing clear lines of responsibility, decision-makers demonstrate that the institution operates with integrity, ensuring that all actions are aligned with its stated goals.

Continuous Improvement: The governance framework also includes mechanisms for assessing how well the institution is advancing its mission. Regular evaluations, feedback loops, and assessments help the institution stay true to its core values while adjusting strategies and approaches in response to changing environments.

File Description	Documents
Paste link for additional information	https://jec.ac.in/governing-council-meeting-members/
Upload any additional information	View File

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

The effectiveness of leadership is evident when practices like decentralization and participative management are implemented. These practices promote empowerment, enhance decision-making, and create a more engaged and motivated workforce.

Decentralization:

- **Decentralization refers to the delegation of authority and decision-making powers from central leadership to lower levels of the organization. This process empowers local managers or departments to make decisions relevant to their areas, thus improving efficiency and responsiveness.**
- **Decentralized leadership also ensures that decision-making is quicker and more adaptable to changing circumstances, which can be crucial in fast-paced or diverse institutional environments.**

Participative Management:

- **Participative management is a leadership style where employees at all levels are involved in decision-making processes. This could be through feedback mechanisms, committees, or collaborative planning sessions.**
- **Effective leadership through participative management helps harness diverse perspectives, fosters creativity, and builds a strong sense of teamwork, which can drive innovation and improve problem-solving across the organization.**

File Description	Documents
Paste link for additional information	https://jec.ac.in/wp-content/uploads/2024/10/Policy-Rules-Processes.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

An institutional Strategic Plan is considered effectively deployed when it is successfully implemented and achieves its intended outcomes.

Clear Alignment with Vision and Mission: The plan should align with the institution's overarching vision and mission. All actions and initiatives outlined in the plan should reflect the institution's core values and long-term goals.

Goal Setting and Measurable Objectives: The strategic plan includes specific, measurable, achievable, relevant, and time-bound (SMART) objectives. These goals help track progress and ensure accountability.

Stakeholder Engagement: Effective deployment involves all relevant stakeholders, including administrators, faculty, staff, students, and even the local community. Their input, feedback, and commitment are crucial for the plan's success.

Resource Allocation: The institution allocates appropriate resources—financial, human, and technological—to ensure that the strategic goals can be achieved. Adequate budgets, staff training, and infrastructure must be in place.

Monitoring and Evaluation: Regular assessment of the plan's progress ensures that it remains on track. Data collection, performance reviews, and key performance indicators (KPIs) are used to measure success.

Continuous Improvement: Effective deployment involves ongoing adjustments and adaptations to the plan as needed. This is achieved through periodic reviews and updates to address emerging challenges or shifts in the educational environment.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://jec.ac.in/iqac/
Upload any additional information	No File Uploaded

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

The functioning of institutional bodies is considered effective and efficient when supported by clear, comprehensive policies, a structured administrative setup, transparent appointment and service rules, and streamlined procedures. This leads to better governance, improved organizational performance, and overall institutional success.

Policies

- Institutions should have clear, comprehensive policies that guide the functioning of their internal bodies. These policies address areas such as academic integrity, financial management, staff conduct, and institutional goals.

Administrative Setup

- Transparent Appointment Process: The process for appointing individuals to positions should be merit-based, transparent, and free from bias. This ensures that the most qualified candidates are selected, which directly impacts the efficiency and effectiveness of institutional bodies.

Procedures

- Efficient Operational Procedures: Established and streamlined procedures are crucial for the smooth functioning of the institution. These procedures cover a range of activities such as decision-making, resource management, grievance redressal, and more. Well-documented and easily accessible procedures contribute to reducing delays and errors.

Impact on Effectiveness and Efficiency

- **Effective Decision-Making: Institutions with well-established policies, clear administrative structures, and defined procedures can make decisions more quickly and efficiently. This minimizes delays and confusion, allowing the institution to respond to challenges effectively.**

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the institution webpage	https://jec.ac.in/wp-content/uploads/2024/12/JAYA-Engineering-College_Service-Book.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	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

An institution that has effective welfare measures for teaching and non-teaching staff typically implements a range of policies and programs designed to support the well-being, professional growth, and overall satisfaction of its employees.

Health and Wellness Programs

- **Health Insurance:** Comprehensive medical coverage for staff and their families.
- **Regular Health Checkups:** Access to periodic health screenings or wellness programs to monitor and maintain staff health.
- **Physical Fitness Programs:** Access to gyms, fitness sessions, or discounts at fitness centers.

Work-Life Balance

- **Flexible Working Hours:** Options for remote work, flexitime, or compressed workweeks.
- **Paid Leave:** Adequate provisions for sick leave, casual leave, maternity/paternity leave, and vacation days.

Professional Development

- **Training and Workshops:** Opportunities for both teaching and non-teaching staff to enhance their skills through continuous professional development programs.
- **Conferences and Seminars:** Encouragement and support for staff to attend relevant conferences, workshops, and seminars for networking and knowledge enhancement.

Support for Non-Teaching Staff

- **Transport Assistance:** Providing transport facilities or allowances to non-teaching staff for easy commuting.
- **Special Leave for Family Care:** Allowing time off for family responsibilities or personal emergencies.

File Description	Documents
Paste link for additional information	https://jec.ac.in/wp-content/uploads/2024/12/JAYA-Engineering-College_Service-Book.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

13

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

16

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	**No File Uploaded**
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

46

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

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

A well-structured Performance Appraisal System (PAS) is essential for assessing the effectiveness and performance of both teaching and non-teaching staff in an institution. The purpose of the system is to promote continuous improvement, professional development, and alignment with institutional goals.

Objectives

For Teaching Staff:

- **Evaluate Teaching Effectiveness: Assess the quality of teaching, student engagement, and the delivery of academic content.**
- **Encourage Research and Academic Contributions: Assess research output, publications, and involvement in academic projects.**

For Non-Teaching Staff:

- **Assess Work Efficiency: Measure the effectiveness of administrative, technical, and support functions.**
- **Evaluate Communication Skills: Assess interpersonal communication, teamwork, and collaboration with faculty, staff, and students.**

Methods of Appraisal

For Teaching Staff:

- **Self-Assessment: Teachers assess their own performance, teaching strategies, and areas for improvement.**
- **Student Feedback: Regular student evaluations of teaching effectiveness, course content, and classroom environment.**

For Non-Teaching Staff:

- **Self-Assessment: Non-teaching staff review their job performance, strengths, and areas needing improvement.**
- **Supervisor Evaluation: Supervisors assess performance based on specific duties, efficiency, and teamwork.**

File Description	Documents
Paste link for additional information	**Nil**
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

The institution regularly conducts both internal and external financial audits to ensure financial integrity, compliance, and transparency.

Internal Audits:

1. **Annual Financial Audit: A comprehensive review of the institution's financial statements to ensure accuracy and adherence to established accounting standards.**
2. **Compliance Audit: Checks if the institution is following internal financial policies, legal requirements, and regulatory standards.**
3. **Operational Audit: Evaluates the efficiency and effectiveness of financial operations, including budgeting, expenditure management, and resource utilization.**

External Audits:

1. **Statutory Audit: Conducted by an independent external auditor to verify the accuracy of financial statements and compliance with applicable laws and regulations.**

2. **Tax Audit:** Ensures that the institution's tax filings and related financial activities comply with tax laws.
3. **Regulatory Audit:** Ensures adherence to industry-specific regulations or funding agency requirements.

Mechanism for Settling Audit Objections:

1. **Identification:** Audit objections are formally raised and documented by the auditors.
2. **Management Review:** Management reviews and analyzes the audit findings, providing necessary clarifications or explanations.
3. **Corrective Action:** If discrepancies are identified, corrective actions are implemented, including financial adjustments, process improvements, or policy revisions.

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

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)

2.19

File Description	Documents
Annual statements of accounts	[View File](#)
Any additional information	**No File Uploaded**
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

Institutional strategies for the mobilization of funds and the optimal utilization of resources are essential for the success of organizations, particularly in sectors like education,

```
healthcare, development, and public institutions.


Fund Mobilization Strategies

    • Grants and Subsidies: Institutions can seek government or
      international grants that align with their mission or
      development objectives. This helps in reducing dependence
      on a single funding source.

Optimal Resource Utilization Strategies

    • Zero-Based Budgeting: Rather than relying on previous
      budgets, institutions should justify every expense each
      year to ensure that resources are allocated efficiently,
      and non-essential spending is cut.
    • Flexible Budgeting: Given that institutional needs can
      change, maintaining flexibility in budgets can help
      respond to emerging opportunities or unexpected
      challenges.

Monitoring and Evaluation of Resource Utilization

    • Performance Metrics: Regular tracking of key performance
      indicators (KPIs) ensures that resources are being used
      efficiently and that financial goals are being met.
    • Audits: Conducting internal and external audits helps
      identify areas of inefficiency or misuse of resources,
      providing an opportunity for corrective action.
    • Continuous Improvement: Encouraging a culture of
      continuous improvement ensures that the institution always
      seeks to optimize resource utilization, whether through
      process improvements or innovation.
```

File Description	Documents
Paste link for additional information	**Nil**
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 Internal Quality Assurance Cell plays a crucial role in enhancing and maintaining the quality of education and administrative processes within an educational institution.

Developing a Quality Culture

IQAC helps foster a culture of quality across the institution by implementing consistent evaluation mechanisms and creating awareness among staff and students about the importance of quality assurance in all aspects of academic and administrative activities.

Monitoring and Evaluation

One of the core functions of IQAC is to monitor and assess the quality of teaching, research and overall student development. This ensures continuous improvement and upholding of academic standards

Data Collection and Analysis

IQAC collects data on various aspects of institutional activities and processes, including student performance, faculty evaluation, and resources. This data is analyzed to identify areas of improvement and develop action plans for quality enhancement.

Promoting Best Practices

The IQAC encourages the adoption of best practices in areas such as teaching-learning methodologies, student support services, research, community engagement, and governance.

Feedback Mechanisms

The cell establishes and manages comprehensive feedback systems involving students, alumni, parents, and faculty members.

Continuous Professional Development

IQAC facilitates professional development programs for faculty, including workshops on pedagogy, new technologies in education, research methodologies and soft skills.

File Description	Documents
Paste link for additional information	https://jec.ac.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 institution systematically reviews its teaching-learning processes, operational structures, methodologies, and learning outcomes at regular intervals. This is carried out through the Internal Quality Assurance Cell (IQAC), which is established in accordance with prescribed norms. The role of the IQAC is to monitor and evaluate various educational and administrative practices, ensuring continuous improvement.

Teaching-Learning Process: The institution assesses the effectiveness of the teaching methods, including the use of modern technology, innovative pedagogies, and assessment tools to enhance student engagement and academic performance.

Operational Structures & Methodologies: The review includes an evaluation of the administrative frameworks, organizational systems, and processes that support the smooth running of academic and extracurricular activities. This ensures alignment with best practices and optimization of resources.

Learning Outcomes: The institution periodically evaluates the academic progress of students, analyzing performance trends and ensuring alignment with the set objectives and competencies of the curriculum.

Incremental Improvement: Based on the reviews, the IQAC records the improvements made in various areas, ensuring that actions are taken to address gaps and enhance overall quality. This documentation serves as evidence of progress and continuous quality enhancement.

File Description	Documents
Paste link for additional information	https://jec.ac.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://jec.ac.in/iqac/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

To effectively promote gender equity, institutions often implement a variety of measures that focus on both immediate actions and long-term strategies. These measures typically aim to address disparities, foster inclusivity, and ensure equal opportunities for all genders.

Awareness Training Programs:

- Gender Equity Training: Regular training programs for

staff, faculty, and students, focusing on understanding gender issues, addressing unconscious biases, and creating an inclusive environment.

Policy Reforms:

- **Equal Opportunity Policies:** Establishment or revision of institutional policies to ensure equal opportunities for all genders in hiring, promotions, and assignments.

Support Systems:

- **Gender Support Committees:** Setting up dedicated committees or offices to address gender-based issues and provide support to those affected by discrimination or harassment.

Community Building:

- **Gender Equality Clubs/Organizations:** Supporting or creating student-run organizations that focus on advancing gender equality, including outreach activities, discussions, and events.

Data Collection and Analysis:

- **Gender Audits and Surveys:** Conducting surveys and audits to assess the current gender climate within the institution, this helps in identifying areas of improvement.

Celebrating Gender Diversity:

Observing International Days: Celebrating key days like International Women's Day, International Men's Day, or Pride Month with events that promote awareness and foster inclusivity.

File Description	Documents
Annual gender sensitization action plan	https://jec.ac.in/wp-content/uploads/2024/12/7.1.1-a.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://jec.ac.in/wp-content/uploads/2024/12/7.1.1-b.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	**No File Uploaded**

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

The institution has robust facilities for managing various types of waste:

1. Solid Waste Management: Waste is segregated at source into biodegradable and non-biodegradable categories. Biodegradable waste is processed through composting, while non-biodegradable waste is sent to recycling facilities or disposed of in accordance with regulations.

2. Liquid Waste Management: Liquid waste, including wastewater from labs and other facilities, is treated using filtration and chemical processes. It is then either safely released into the sewage system or recycled for non-potable uses within the institution.

3. Biomedical Waste Management: Biomedical waste is categorized into color-coded bins (yellow, red, blue, and black) for

`different types of waste.`

`4. E-Waste Management: E-waste, including obsolete electronic equipment, is collected and sent to certified e-waste recycling centers where components are safely dismantled, recycled, and disposed of following environmental standards.`

`5. Waste Recycling System: The institution has a waste segregation system in place for recyclable materials like paper, plastic, and metal, which are collected for recycling, reducing the environmental impact.`

`6. Hazardous Chemicals and Radioactive Waste Management: Hazardous chemicals and radioactive waste are stored in secure, labeled containers and disposed of through licensed waste disposal services that follow strict safety protocols.`

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	A. Any 4 or All of the above

    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	**A. Any 4 or all 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	**No File Uploaded**

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized	**A. Any 4 or all of the above**

equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	

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	**No File Uploaded**

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

Institutions can effectively foster an inclusive environment that encourages respect, mutual understanding, and unity across cultural, regional, linguistic, communal, socioeconomic, and other diversities. These initiatives contribute to a more harmonious and equitable society, both within and beyond institutional walls.

1. Diversity and Inclusion Policies

  • **Institutional Framework: Many institutions have formal diversity and inclusion policies that outline commitments to tolerance, respect, and equality.**

2. Cultural Sensitivity and Awareness Programs

  • **Workshops and Seminars: Institutions organize workshops, seminars, and cultural exchange programs to educate members about different cultures, languages, and traditions. This fosters mutual respect and understanding among individuals from diverse backgrounds.**

3. Equal Opportunities and Accessibility

- **Inclusive Education and Employment Policies: Equal opportunity policies ensure that individuals from diverse socioeconomic, cultural, and regional backgrounds have access to education and employment. Institutions may implement scholarships, reservations, and financial aid programs for underprivileged or marginalized groups.**

5. Diversity Training for Staff and Students

- **Diversity and Inclusion Workshops: Regular workshops and training sessions are organized for faculty, staff, and students to build awareness of diversity issues, understand unconscious biases, and adopt inclusive behaviors.**

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

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

Sensitizing students and employees about their constitutional obligations is crucial in creating a society where individuals understand their rights, duties, and responsibilities

Incorporating Constitutional Studies into Curriculum: Many institutions include courses on the Constitution, human rights, and civic duties as part of the formal curriculum.

Workshops and Seminars on Constitutional Awareness: Regular workshops or seminars on topics like fundamental rights, duties of citizens, and constitutional values are conducted for both students and employees. These programs focus on raising awareness about the constitution's role in ensuring justice, equality, and freedom.

Induction for New Students and Staff: During the orientation of new students and employees, institutions can organize sessions focused on the core values of the constitution.

Celebrating Constitution Day and National Holidays: Institutions

can celebrate Constitution Day through events like lectures, panel discussions, and awareness campaigns that focus on the historical and contemporary relevance of the Constitution.

Legal Awareness Programs: Organizing legal literacy camps or workshops for students and employees helps them understand their constitutional rights, such as the right to education, freedom of speech, and the right to equality.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://jec.ac.in/wp-content/uploads/2024/12/7.1.9-FINAL.pdf
Any other relevant information	**Nil**

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

File Description	Documents
Code of ethics policy document	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	**No File Uploaded**

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

An institution celebrating or organizing national and international commemorative days, events, and festivals can play a key role in fostering a sense of community, promoting cultural diversity, and enhancing the educational experience for students, staff, and the wider community. Here's how an institution can approach this:

1. Planning and Coordination

- **Event Calendar:** Develop an annual calendar that includes national and international commemorative days such as International Women's Day, World Environment Day, Independence Day, etc.
- **Cultural Festivals:** Plan and organize festivals that celebrate the cultural diversity of the institution's community, like Diwali, Christmas and local cultural festivals.
- **Workshops and Seminars:** Offer educational programs or discussions surrounding the significance of various commemorative days, such as Holocaust Remembrance Day or International Day of Peace.

2. Engagement and Participation

- **Student Involvement:** Encourage students to take leadership roles in organizing events, performances, and awareness campaigns.
- **Faculty Participation:** Involve faculty in delivering lectures or workshops related to the importance of specific days or events.

3. Cultural Awareness and Education

- **Educational Campaigns:** Use commemorative days as an opportunity for students and staff to learn about the historical and social importance of various events.

Annual Quality Assurance Report of JAYA ENGINEERING COLLEGE

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

7.2 - Best Practices

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

Title of the Practice: Student Mentoring System

Objectives

- **Mentoring is a highly beneficial development activity that our college has firmlyØ implemented.**
- **The goal of this activity is to strengthen the relationship between mentor and mentee,Ø with the mentee's development as the primary focus. A mentor will serve as a guide as well as an advisor/counsellor.**
- **To keep track of the students' academic dynamics, as well as to develop the teacher student relationship.**
- **To provide students with advice on how to solve their difficulties due to societal, emotional and behavioural problems those are consequently affecting their learning performance.**
- **Students are encouraged to explore, succeed, and connect in anything they want to do through mentoring.**

Best Practice-2

Title of the Practice: Start-ups through Coding Club

Objectives

- **Learning and practicing coding:Provide a platform for students to learn and practice coding skills, regardless of their experience level**
- **Encouraging creativity:Coding lessons can encourage creativity, which can inspire careers and opportunities**
- **Developing computational thinking:Computational thinking**

is the process of breaking down a problem into steps that a computer can understand
- Promoting collaboration:Encourage students to collaborate and share knowledge with students of different experience levels

File Description	Documents
Best practices in the Institutional website	https://jec.ac.in/wp-content/uploads/2024/12/jec-7.2-best-practice.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

To effectively portray the performance of the institution in one area distinctive to its priority and thrust, the focus should be placed on an area that clearly reflects the institution's strategic goals and objectives. The portrayal should emphasize the impact and outcomes of this specific area, using quantitative and qualitative measures.

Institution's Priority Area: Innovation in Research and Development (R&D)

1. Introduction to the Priority Area
   - Institution's Focus on Innovation in R&D: The institution has identified research and development as a core priority to drive innovation, solve complex global challenges, and enhance its academic reputation. Through dedicated funding, cross-disciplinary collaboration, and state-of-the-art facilities, the institution has placed significant emphasis on advancing scientific research, particularly in areas like artificial intelligence, biotechnology, and environmental sustainability.
2. Key Achievements in R&D
   - Increased Research Output: Over the past year, the institution has increased its number of peer-reviewed publications by 25%, with a focus on high-impact journals. This has elevated the institution's ranking in global research indices.

3. **Innovations and Developments**
    - **Research Centers and Labs:** The institution has established one new interdisciplinary research centers focused on Materials and IC Engines from engineering.

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

7.3.2 - Plan of action for the next academic year

A plan of action for the next academic year should be comprehensive, well-structured, and aligned with your institution's or personal goals. Here's a framework that you can follow for an academic plan of action:

1. Review and Analyze the Previous Year

- **Evaluate outcomes:** Review academic performance, feedback from students, and faculty, and analyze the strengths and weaknesses from the previous year.
- **Identify challenges:** Consider issues faced in terms of curriculum delivery, student engagement, technology usage, and infrastructure.

2. Set Clear Goals for the Next Academic Year

- **Academic goals:** Establish specific learning objectives for students, like improving grades, enhancing understanding in certain subjects, or increasing the use of critical thinking.

3. Curriculum and Course Development

- **Curriculum review:** Assess the effectiveness of the current curriculum and make improvements based on feedback.

4. Improve Teaching Methodology

- **Active learning:** Emphasize student-centered learning strategies, such as project-based learning, flipped classrooms, and peer teaching.

5. Assessment and Evaluation

- Continuous assessment: Create a system of regular assessments, quizzes, and feedback mechanisms to track progress.

6. Community Engagement

- Collaboration with industry: Build partnerships with industries and organizations for internships, workshops, and practical experiences.