YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution		St Joseph Engineering College, Mangaluru
	Name of the Head of the institution	Dr Rio D'Souza
	Designation	Principal
	Does the institution function from its own campus?	Yes
	Phone No. of the Principal	08242263753
	Alternate phone No.	08242263753
	Mobile No. (Principal)	9663380761
	Registered e-mail ID (Principal)	iqac@sjec.ac.in
	Address	St Joseph Engineering College, Vamanjoor, Mangaluru, Karnataka.
	City/Town	Mangaluru
	State/UT	Karnataka
	Pin Code	575028

2.Institutional status

	Autonomous Status (Provide the date of conferment of Autonomy)	18/06/2021
	Type of Institution	Co-education
	Location	Rural

- Financial Status   **Self-financing**

- Name of the IQAC Co-ordinator/Director   **Dr Pavana Kumara B**

- Phone No.   **08242263758**

- Mobile No: **9901630288**

- IQAC e-mail ID   **head.iqac@sjec.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)   https://sjec.ac.in/storage/files/documents/dynamic-pages/naac-sjec/aqar/AQAR-2021-2022.pdf

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

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

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A+**	**3.39**	**2021**	**23/02/2021**	**22/02/2026**

6.Date of Establishment of IQAC   **16/11/2018**

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

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Electronics and Communication Engineering	RGS	Vision Group on Science and Technology (VGST)	01/01/2023	300000
Department of Business Administration	ICSSR	Indian Council of Social Science Research (ICSSR)	01/01/2023	1200000
Physics	KFIST-L1	VGST	01/01/2023	2000000

8.Provide details regarding the composition of the IQAC:

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

9.No. of IQAC meetings held during the year   1

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?   **No**

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

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

- If yes, mention the amount

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

Received accreditation for Electronics and Communication Engineering, Electrical and Electronics Engineering, Computer Science Engineering and Mechanical Engineering.

NEP awareness program during December 2022

Awareness of OBE and AICTE Examination reforms to all the faculty.

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
NBA Accreditation of MCA Program	Computer Science Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering Programs have been accredited for Academic Years 2022-2023 to 2024-2025, i.e., up to 30.06.2025

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
IQAC	25/02/2023

14.Was the institutional data submitted to AISHE ?   Yes

- Year

Part A
Data of the Institution

1.Name of the Institution	St Joseph Engineering College, Mangaluru
• Name of the Head of the institution	Dr Rio D'Souza
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	08242263753
• Alternate phone No.	08242263753
• Mobile No. (Principal)	9663380761
• Registered e-mail ID (Principal)	iqac@sjec.ac.in
• Address	St Joseph Engineering College, Vamanjoor, Mangaluru, Karnataka.
• City/Town	Mangaluru
• State/UT	Karnataka
• Pin Code	575028
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	18/06/2021
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing
• Name of the IQAC Co-ordinator/Director	Dr Pavana Kumara B

• Phone No.	08242263758
• Mobile No:	9901630288
• IQAC e-mail ID	head.iqac@sjec.ac.in
3.Website address (Web link of the AQAR (Previous Academic Year)	https://sjec.ac.in/storage/files/documents/dynamic-pages/naac-sjec/aqar/AQAR-2021-2022.pdf
4.Was the Academic Calendar prepared for that year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.39	2021	23/02/2021	22/02/2026

6.Date of Establishment of IQAC	16/11/2018

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

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Electronics and Communication Engineering	RGS	Vision Group on Science and Technology (VGST)	01/01/2023	300000
Department of Business Administration	ICSSR	Indian Council of Social Science Research (ICSSR)	01/01/2023	1200000
Physics	KFIST-L1	VGST	01/01/2023	2000000

8.Provide details regarding the composition of the IQAC:

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

9.No. of IQAC meetings held during the year	1	
• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	No	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	View File	

10.Did IQAC receive funding from any funding agency to support its activities during the year?	No
• If yes, mention the amount	

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

Received accreditation for Electronics and Communication Engineering, Electrical and Electronics Engineering, Computer Science Engineering and Mechanical Engineering.

NEP awareness program during December 2022

Awareness of OBE and AICTE Examination reforms to all the faculty.

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
NBA Accreditation of MCA Program	Computer Science Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering Programs have been accredited for Academic Years 2022-2023 to 2024-2025, i.e., up to 30.06.2025

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
IQAC	25/02/2023

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2022-2023	20/03/2024

15.Multidisciplinary / interdisciplinary

At St Joseph Engineering College, multidisciplinary and interdisciplinary courses are designed to break down traditional academic silos, fostering collaboration between diverse engineering disciplines and integrating non-engineering perspectives. These courses typically cover a range of topics that intersect with engineering, such as technology and society, sustainable development, and innovation management. Such courses are introduced from the First Year of Study for Engineering students. Students also engage in collegiate clubs such as SAE, ISIE, ARC SJEC etc and do collaborative projects that require expertise from various fields, encouraging a holistic approach to problem-solving. Interdisciplinary activities included joint

research projects, where students from different engineering disciplines collaborated to address complex challenges. Cross-disciplinary workshops and seminars have provided opportunities for students to explore the intersection of engineering with fields like business, environmental science, or social sciences. Moreover, institution has often organized hackathons, innovation challenges, and entrepreneurship programs that bring together students with varied expertise to develop solutions for real-world problems. Guest lectures by professionals from diverse industries contributed to a broader perspective on the application of engineering principles in different contexts. These multidisciplinary initiatives aimed to produce graduates who can navigate the complexities of the modern world, collaborate across disciplines, and contribute to innovative solutions that address multifaceted challenges. The goal is to prepare engineers with a well-rounded skill set and a capacity for holistic problem-solving in an interconnected global landscape.

16.Academic bank of credits (ABC):

The implementation of an "Academic Bank of Credits" (ABC) in an institution revolutionizes the traditional academic credit system by introducing a flexible and student-centric approach to learning. In this system, students accumulate credits not just for completing courses but for acquiring a diverse set of skills, competencies, and experiences. Students have the freedom to choose from a wide array of courses, including interdisciplinary and skill-based modules, allowing for a more personalized and holistic education. The ABC system values experiential learning, such as internships, research projects, and industry collaborations, enabling students to earn credits for practical application of knowledge. Transparency and transferability are key features, as students can easily transfer earned credits across programs and institutions, fostering a dynamic and adaptable learning environment. Additionally, the ABC system promotes lifelong learning by recognizing and accrediting non-formal and informal learning experiences. Institution has taken steps to implement ABC that emphasize continuous assessment, breaking away from the conventional exam-centric evaluation. This encourages a deeper understanding of subjects and fosters critical thinking. Overall, the Academic Bank of Credits is expected to enhance the educational landscape by providing a flexible, inclusive, and learner-driven framework that aligns with the evolving needs of the modern workforce and promote a more comprehensive approach to education.

17.Skill development:

Skill development courses and activities in an institution play a crucial role in shaping well-rounded and industry-ready professionals. These offerings go beyond technical expertise, focusing on enhancing essential soft skills and practical competencies. Communication skills workshops helped students articulate ideas effectively, while technical writing courses has refined their ability to document and present complex engineering concepts. To foster teamwork and leadership, institution incorporate project management courses and collaborative projects into the curriculum. Additionally, coding bootcamps and software development courses equip students with programming skills essential in the technology-driven landscape. Workshops on presentation techniques and public speaking contribute to effective knowledge dissemination. AICTE-IDEA lab hands-on training is a key component, with laboratory sessions, internships, and industry-oriented projects providing practical experience. Career development programs assisted students in resume building, interview preparation, and networking. Entrepreneurship courses are introduced in all UG and PG courses to encourage an entrepreneurial mindset, nurturing the ability to innovate and create new ventures. Furthermore, exposure to emerging technologies through seminars, conferences, and industry partnerships ensured that students stay updated with the latest trends. Overall, these skill development initiatives aim to produce engineers who not only excel in technical prowess but also possess the interpersonal and professional skills necessary for success in a dynamic and competitive job market.

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

Our institution is dedicated to fostering a culturally enriched and inclusive learning environment through the appropriate integration of the Indian knowledge system. The students are admitted to various programs from different states, with varying ethnicity, gender, culture, location, background, etc. As a result, the institution emphasizes cooperation, mutual respect, and understanding. The courses are designed to make the students worldwide competitive while also considering general regulatory standards, local, regional, and global needs. Additionally, the institution arranges regional language sessions for out-of-state students, exposing them to regional traditional values. The exchange of knowledge on coexistence, culture, language, food, and hobbits among students. Colleges regularly host cultural and sporting activities that allow students to display their

traditional values. This cultural integration extends to available online courses, where digital platforms are utilized to seamlessly deliver content in Indian languages, ensuring accessibility and inclusivity for learners across the nation. The integration of the Indian knowledge system goes beyond language and culture; it encompasses the incorporation of traditional wisdom, practices, and philosophies into the academic framework. Through this approach, we seek to empower students with a well-rounded education that bridges the gap between modernity and heritage. By embracing the appropriate integration of the Indian knowledge system, our institution strives to create a learning environment that not only imparts knowledge but also instills a sense of pride and identity among students, fostering a deeper understanding of their cultural roots in the context of contemporary education.

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

Our institution places a significant emphasis on Outcome-Based Education (OBE) as a foundational framework to enhance the quality and relevance of our academic programs. OBE is a student-centric approach that shifts the focus from traditional teaching methods to a more results-oriented model, ensuring that students acquire specific skills, knowledge, and competencies by the end of their academic journey. The curriculum design under OBE is meticulously aligned with predefined learning outcomes, clearly articulating what students should know and be able to do upon completion of each program. This approach allows for a transparent and measurable assessment of student achievements, providing a comprehensive understanding of their academic progress. Assessment strategies within OBE include continuous evaluation methods, authentic assessments, and a variety of formative and summative tools. This ensures that students not only grasp theoretical concepts but also develop practical skills and critical thinking abilities essential for their future careers. Regular feedback loops and data-driven insights are incorporated into the OBE framework, allowing for continuous improvement and adaptation of teaching methodologies. The ultimate goal is to produce graduates who are not only academically proficient but also well-prepared for the challenges of their professional and personal lives, contributing meaningfully to society. The institution's commitment to OBE reflects a dedication to providing a high-quality, outcome-driven education that aligns with the evolving needs of the global landscape. All the eligible programs offered by the institution are accredited from NBA New Delhi under the OBE system. The

institution is also having NAAC A+ Accreditation. Various committees such as Industry Alumni Advisory Board (IAAB), Internal Quality Assurance Cell (IQAC), Department Advisory Board (DAB), and Program Assessment Committee (PAC), have been formed by drawing members from Industry, Alumni, Parents, Management, Faculty, Staff and Students. These committees guide and monitor the implementation of OBE in the college.

20.Distance education/online education:

The institution has an ICT infrastructure that enables technology-based teaching and learning practices across all the constituent units for all its programs. The Wi-Fi-enabled campus, broadband internet access, LAN system, and lecture halls and equipped with LCD projectors, smart classrooms with interactive whiteboards, and projection displays to aid in the online mode of education. The Institution incorporates a studio that generates video content that is accessible to students through a dedicated online portal. Students can access the lecture videos anytime from anywhere, including from hostels and off-campus locations. The videos/lectures can be viewed in their entirety or any selected section for quick reviews and revisions. Students also utilize the services of online e-resources from VTU-Consortium, SHODHGANGA, and e-resources that are in the Central Library. Various online platforms such as Zoom, Canvas, Google Classrooms, etc. are extensively used for online/remote learning.

Extended Profile

1.Programme

1.1   **11**

Number of programmes offered during the year:

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

2.Student

2.1   **2883**

Total number of students during the year:

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

2.2   **681**

Number of outgoing / final year students during the year:

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

2.3   **730**

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

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

3.Academic

3.1   **11**

Number of courses in all programmes during the year:

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

3.2   **163**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1	**11**
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1	**2883**
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	**681**
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	**730**
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	**11**
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**163**

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

3.3 Number of sanctioned posts for the year:	**163**

4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**351**
4.2 Total number of Classrooms and Seminar halls	**67**
4.3 Total number of computers on campus for academic purposes	**2127**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**Rs.1698.85 Lakhs**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The institute has the systematic procedure for development, revision and implementation of curriculum of all the programs. The curriculum is carefully designed by addressing the emerging technologies and the opportunities that exist at the local, regional, national and international level.

The curriculum is designed to ensure that the students have the

required domain knowledge, skills and attitude as per the specifications laid down by NBA. The curriculum for each course is designed by referring the curriculum specified by the affiliating university VTU Belagavi, AICTE Model Curriculum, Curriculum of reputed Indian and International universities, feedback from faculty, industry experts, subject experts, alumni and various bodies under autonomy structure.

In the initial phase of designing the curriculum, types of courses, the number of electives, complete details of each course and its syllabus is framed. In the second phase the Course Outcomes (COs) for every course is mapped with the Program Outcomes (POs) of NBA and the Program Specific Outcomes (PSOs) of the program. At the college level the attainment of the POs and PSOs for each program is monitored after every academic year. Thus, implementation of the OBE is ensured.

The curriculum is designed through the discussions with stakeholders and is placed in the Departmental Academic Affairs Committee for feedback. The curriculum then is put forth to Board of Studies (BoS) where experts from academia, industry, alumni and senior faculty members will review the curriculum. The curriculum is then placed for approval during the Academic Council (AC). Curriculum finally evolved and published.

File Description	Documents
Upload additional information, if any	**No File Uploaded**
Link for additional information	https://sjec.ac.in/scheme-syllabus

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

11

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

503

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

1.2 - Academic Flexibility

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

503

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

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

11

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

1.3 - Curriculum Enrichment

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

Institute integrates crosscutting issues relevant to professional ethics, gender, human values, environment and sustainability into the curriculum.

Professional Ethics: Second-year undergraduates take a mandatory course, "Constitution of India and Professional Ethics," which emphasizes ethics and values in personal, social, and professional contexts. This course cultivates an understanding of ethical conduct and prepares students for real-world challenges.

Gender Sensitization: The institute has the JAGRUTHI Cell and Grievance Redressal Cell to promote gender equity, ensure female students' safety, and address related concerns. High-resolution CCTV cameras and strong security measures enhance campus safety, complemented by separate on-campus hostels for boys and girls.

Human Values: The compulsory "Universal Human Values" course for second-year students focuses on self-reflection, individual and social values, and fosters confidence and commitment to ethical conduct.

Environment and Sustainability: Engineering students study "Environmental Studies" in their third year, addressing environmental issues related to land, air, water, and sustainable development.

In addition, various activities like quiz and poster competitions, invited talks are organized to create awareness on the above crosscutting issues to students.

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

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

36

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

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

381

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

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

501

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	**Nil**
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	**No File Uploaded**
Any additional information	View File

| 1.4.2 - The feedback system of the Institution comprises the following | **C. Feedback collected and analysed** |

File Description	Documents
Provide URL for stakeholders' feedback report	**Nil**
Any additional information	[View File](#)

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

850

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

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

351

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

2.2 - Catering to Student Diversity

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

After enrolment, the institution conducts induction programmes for the students and parents. During the programme, the basics of the system are discussed, along with soliciting the stakeholders' expectations. Moreover, 'Bridge Courses' are conducted to ensure students' synchronization with the system. To monitor and evaluate the students' learning levels the following systems are in place. A separate First Year

Coordinator to overview the enhancing students' learning levels. A faculty advisor for every class and a mentor for every 15 to 20 students. Slow Learners: Slow learners are rigorously counselled by mentors and receive feedback regarding their studies and personal issues to enhance their academic performance. Tutorials are conducted for slow learners in the identified subjects. Language laboratory and communication skills classes are conducted to enhance soft skills. Additional Bridge Courses (Lateral Entry) in Mathematics concepts are taught to lateral entry students to help them cope with the subject. Advanced Learners: To foster advanced learners, department specific student associations are developed. These associations aid in further development, enhancing leadership qualities and nurturing interpersonal skills. Also, advanced learners are encouraged to participate in symposiums, paper presentations, poster presentations, and quiz contests. They are encouraged to register and participate in events organized by professional bodies.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2023	2881	163

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

In our institution, the emphasis on student-centric education is paramount, as we recognize the transformative impact of experiential learning, participative learning, and problem-solving methodologies on enhancing the overall learning experience. The adoption of these dynamic approaches is designed

to actively involve students in their own educational journey.

Experiential learning engages students through hands-on activities, allowing them to apply theoretical knowledge in practical scenarios. The institution is recognised Virtual Lab Nodal Center under the participating institute NITK Surathkal. Experiential learning approach not only deepens understanding but also cultivates critical thinking and practical skills. Participative learning promotes collaboration and interaction among students, fostering a vibrant learning community. Through discussions, group projects, and peer-to-peer engagement, students actively contribute to the collective learning experience.

Problem-solving methodologies are integrated into the curriculum to instill analytical skills and creativity. Students are encouraged to tackle real-world challenges, promoting a proactive and solutions-oriented mindset. This student-centric approach extends beyond the traditional classroom setting, creating an environment where individual learning styles are acknowledged and catered to.

By employing these methods, the institution strives to empower students as active participants in their education, preparing them not only with knowledge but also with the skills and mindset essential for success in a rapidly evolving world. The commitment to student-centric methodologies reflects our dedication to providing a holistic and enriching learning environment.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

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

In embracing the rapidly evolving landscape of education, our institution prioritizes the integration of Information and Communication Technology (ICT) tools to enhance the teaching-

learning process. Teachers are empowered to leverage a diverse array of ICT-enabled tools that cater to varied learning styles and foster an engaging educational environment. These tools encompass interactive presentations, educational software, virtual simulations, and collaborative platforms, all designed to augment traditional teaching methodologies.

By incorporating ICT tools, teachers can create dynamic and interactive lessons that captivate students' attention and cater to diverse learning needs. These technologies facilitate multimedia-rich content, enabling teachers to illustrate complex concepts through visual aids, videos, and interactive exercises. Furthermore, real-time assessment tools allow for immediate feedback, enabling educators to tailor their approach to meet individual student needs and track overall class progress.

Regular training and professional development sessions conducted through the institution Teaching Learning Center - SANJOSH ensure that teachers stay abreast of the latest ICT tools and methodologies. This commitment to technological integration not only enhances the efficacy of teaching but also equips students with essential digital literacy skills crucial for their future endeavors. The institution's embrace of ICT tools underscores its dedication to fostering a modern, innovative, and inclusive learning environment that prepares students for the challenges of the digital age.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
Upload any additional information	No File Uploaded

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

2.3.3.1 - Number of mentors

152

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

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

The affiliated University provides an academic calendar for odd and even semesters separately. The College, in turn, prepares a college-level calendar, and each department will put forth a departmental calendar, which is in line with the college calendar to ensure timely execution of micro-level activities. The academic calendar provides total effective working days in each semester. The college calendar includes list of examinations date (both CIE and SEE), vacations, holidays, festivals and major college level activities etc. The department level calendar includes additional information such as seminars, conferences, workshops, industrial visits etc.

Each faculty in the college prepares a teaching plan for each subject at the beginning of every semester. This is recorded in the Teachers Work Diary. This plan serves as a guide to conduct the activities in and outside the classroom for the students. The faculty are required to submit their work diary on weekly basis to the respective HODs and HODs check the progress of each course in a timely manner and ensure the successful completion of course.

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

2.4 - Teacher Profile and Quality

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

163

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

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

31

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

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

1395

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

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

35

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

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

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	**No File Uploaded**
Upload any additional information	**No File Uploaded**

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

The institution is using the Examination Management System (EMS) developed by "Contineo". The EMS Module is supported by the "Admission Module" and "Student Information System (SIMS) Module". The Admission Module is used to acquire the student's information as per the requirements and norms. The data acquired in the Admission Module will be imported into SIMS and EMS. Students' attendance and Continuous Internal Assessment entries are made in the SIMS Module by the course coordinator. The data will be imported to EMS after the due approval by the Dean (Academics) and Principal. The EMS Module has two sub-modules as, Seating Arrangement Module and Exam Instance Module. The Seating Arrangement Module is used for Pre-Exam processes like the generation of examination admit cards for the eligible students and seating arrangements, examination attendance forms as per the room allotments, question paper indents, etc. The Exam Instance Module is used for post-Exam processes viz, generation of barcodes for answer script coding and packeting, examiner assignment for valuation, result processing, result sheets, result analysis, the printing of grade cards, generation of an eligibility list as per norms, etc. The SEE results will be published through the Online Result portal.

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

2.6 - Student Performance and Learning Outcomes

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

The institution is committed to transparency and clarity in its educational offerings, ensuring that both teachers and students are well-informed about the expected outcomes of each program and course. To achieve this, detailed program and course outcomes are meticulously formulated and prominently displayed on the institution's official website. These outcomes serve as a comprehensive guide, offering a clear understanding of the knowledge, skills, and competencies that students are expected to acquire upon completion of their respective programs.

Regular communication channels are established to disseminate this critical information to both teachers and students, fostering a shared understanding of the educational objectives. By providing accessible and up-to-date documentation on the institution's website, stakeholders can easily reference and align their expectations with the goals of each program. This commitment to transparency not only enhances the overall learning experience but also facilitates a collaborative and informed educational community within the institution. Ultimately, the institution strives to empower students with a roadmap for success and equip educators with the necessary tools to guide and assess student progress effectively.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Link for additional Information	**https://sjec.ac.in/#**

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

Program outcomes and course outcomes undergo rigorous evaluation during annual Program Assessment Committee (PAC) meetings, facilitated by program coordinators, department heads, and selected faculty members. These meetings serve as critical forums where the effectiveness of both the overall program outcomes and specific course outcomes are assessed in detail.

ollowing the PAC meetings, the evaluation process continues with a Department Advisory Board (DAB) meeting. This meeting plays a pivotal role in gathering comprehensive feedback from a diverse array of stakeholders, including students, alumni, parents, and industry representatives. Their insights and perspectives are crucial in providing a holistic understanding of how well the program and its individual courses align with the needs and expectations of various stakeholders.

The DAB meeting serves as a platform for discussing strategies to enhance program quality, curriculum relevance, and overall educational experience. By incorporating feedback from all stakeholders, the department aims to continuously improve and adapt its educational offerings to meet current industry standards and societal needs. This iterative process of assessment and feedback ensures that the educational programs remain dynamic and responsive to evolving trends and demands in the field.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

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

895

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<u>View File</u>
Upload any additional information	<u>View File</u>
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

<u>https://sjec.ac.in/storage/files/documents/dynamic-pages/naac-sjec/aqar/Student_Satisfaction_Survey_2022-2023_Respone.pdf</u>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

A number of research facilities are added every year and made available for both the internal and external faculty. The facilities are extensively used by the faculty and students. To name a few, the following are equipment purchased recently.

1. **XILINX ARTEX – 7 FPGA, Evaluation Kit - EK – 47 – AC701 – G Base Board AMS 101 Evaluation Card Xilinx Vivado Design Suite**
2. **Tubular muffle furnace**
3. **Ball mill (AIMIL)**
4. **Pulvarizer (AIMIL)**
5. **Balance Eye Detector, Input 100-240V AC – 50/60 Hz, 2 eye tracking camera, Output 5V DC, Windows 10 and higher**
6. **UV-Visible Spectrophotometer, Microprocessor-based UV-VIS Spectrophotometer with high visibility color touch panel display, for operation on 220V / 50Hz. Lab Solution UV Vis for UV 1900 Included.**
7. **Fluorescence spectrophotometer - Stand-alone or PC operation, Light source-150W Xenon lamp (self-deozonating lamp house), Photometric principle-Monochromatic light monitoring ration calculation, Sensitivity-800 or more**

(RMS) (bandpass 5nm, response time 2 S), Bandpass -2.5, 5, 10, 20 nm (both Ex and Em), Wavelength scan speed-60 – 3,000 nm/min (four steps), 12,000 (when PC control)

The institute has implemented the 'SJEC Research Policy' which comprehensively details the obligations, collaborative research, ownership of Intellectual Property Rights, commercialization of research, etc. The policy is published on the college website and available to faculty and staff in a booklet.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	**No File Uploaded**
Provide URL of policy document on promotion of research uploaded on the website	https://sites.google.com/sjec.ac.in/sjecresearch/home?authuser=0
Any additional information	View File

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

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

114.77

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	**No File Uploaded**
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

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

0

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

3.2 - Resource Mobilization for Research

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

34.5886

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

3.2.2 - Number of teachers having research projects during the year

9

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sites.google.com/sjec.ac.in/sjecresearch/home
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

20

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

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

3

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://sites.google.com/sjec.ac.in/sjecresearch/home
Any additional information	View File

3.3 - Innovation Ecosystem

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

The New Age Incubation Network (NAIN)- (powered by the Department of Information Technology/Biotechnology and S&T, Govt of Karnataka) provides a grant of Rs 3 lakhs/year for each selected novel project from the Govt. of Karnataka. The SJEC Incubation Centre, with a working space of 4000 sqft facility, can simultaneously accommodate up to 15 start-ups. This state-of-theart facility includes well-furnished seating arrangements, high-configuration computers, independent high-speed, dedicated internet connection, uninterrupted power back up, and discussion & meeting rooms.

The IPR cell established in collaboration with Karnataka Science Council for Science and Technology (KSCST) helps bring awareness about IPR, enables patent searches, guides inventors in respect of patenting searches, facilitates filing of patents, etc.

The SJEC AICTE IDEA Lab established in 2021 with the support of AICTE is aimed at encouraging students to apply Science,

Technology, Engineering, and Mathematics (STEM) fundamentals towards enhanced hands-on experience, learning by doing, and product visualization. The IDEA Lab makes engineering students more imaginative and creative in addition to imbibing skills of critical thinking, problem-solving, design thinking, collaboration, communication, and lifelong learning. The lab has an area of 5000 sq. ft equipped with advanced machinery, tools, and consumables to support the translation of an idea to prototype development or solution of a problem.

SJEC has gotten the approval for implementation of the National Innovation and Start-up Policy (NISP) by the MoE.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

41

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

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

B. Any 3 of the above

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

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

3.4.2.1 - Number of PhD students registered during the year

`14`

File Description	Documents
URL to the research page on HEI website	https://sites.google.com/sjec.ac.in/sjecresearch/home
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	[View File](View_File)
Any additional information	[View File](View_File)

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

`56`

File Description	Documents
List of research papers by title, author, department, and year of publication	[View File](View_File)
Any additional information	[View File](View_File)

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

`25`

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

1582

File Description	Documents
Any additional information	**No File Uploaded**
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

28

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	**No File Uploaded**

3.5 - Consultancy

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

6.73

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

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

Rs.15,300

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

3.6 - Extension Activities

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

AICUF (All India Catholic University Federation): This association is deeply involved in social service through the student community. Also, it instills spirituality among the students. It conducts visits to different primary and high schools, retreat homes, nursing homes, hospitals etc. serves the people and sensitizes the civil culture and responsibility among the students. NSS and Youth Red Cross: This cell organizes and promotes government initiatives such as Swacch Bharath, Save Water, Abolish Plastics, Tree Plantation, AIDS Awareness campaigns/ programmes/

Rallies, Road Safety week etc. to adapt the graduate attributes such as Engineering and Society, Environment and Sustainability, and Lifelong learning. Moreover, it organizes blood donation camps every year and conducts charity programmes for the neighbourhood. Every department conducts ESR activities and students are encouraged to take up mini and capstone projects during their course to align their engineering knowledge with society and mankind. Moreover, management arranges events of commemoration and observance of all-important days and occasions, Special technical programmes for the school children, Personality development training activities, Digital literacy campaigns, and Adult Education- Physical, Spiritual and Psychological Counselling for the students. Further, the cultural committee organizes events to pervade cultural and religious diversity.

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

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

28

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

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

81

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

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

2138

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

3.7 - Collaboration

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

98

File Description	Documents
Copies of documents highlighting collaboration	[View File](#)
Any additional information	[View File](#)

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

24

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	[View File](#)
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	[View File](#)
Any additional information	[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 equipments, etc.

The institution has adequate facilities for Teaching - Learning activities, viz., classrooms, laboratories, computing equipment etc. In keeping up with the evolving needs of the students and the increase in admissions, necessary facilities were added. A summary of newly added facilities during 2022-2023 are provided below. Details of the facilities added are uploaded separately.

1. No. of Classrooms added in 2022-23

SL No.

Department

No of Classrooms Added

1

Computer Science & Engineering

04

2

Intelligent Computing & Business Systems

03

4

Computer Applications

05

5

Business Administration

02

Total

14

1. No. of Laboratories added in 2022-23: 17

SL No.

Department

No of Laboratories Added

1

Computer Science & Engineering

04

2

Intelligent Computing & Business Systems

03

4

Computer Applications

05

5

Business Administration

02

6

Electronics & Communication Engineering

05

9

Mathematics

01

10

SJEC AICTE IDEA Lab

01

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

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

The Institution has all necessary facilities for Cultural Activities, Sports, Games, and Gymnasium. The following Sports, Games, & Gymnasium Facilities added during the year 2022-2023:

General:

  1. **Gents Changing Room with toilets near the Volleyball court (Addition of 15.39 Sqm)**
  2. **Store room near Volleyball court (Addition of 2.16 Sqm)**
  3. **Ladies Changing Room with toilets near Volleyball court (Addition of 10.9 Sqm)**
  4. **Table Tennis Room (Addition of 75.6 Sqm)**

List of New Equipments in the Gymnasium for boys:

  1. **Dumbbells (Addition of 94 Kgs)**
  2. **Ab Pad - 1 No.**
  3. **Sit up Bench - 1 No.**
  4. **Wrestling Mats - 16 Nos.**
  5. **Wrestling Mats Cover sheet - 1 No.**
  6. **Spring Take off board - 1 No.**
  7. **3 Leaf Anti-Skid four wheel Abs workout - 1 No.**

List of Equipments in the Gymnasium for girls:

  1. **Ab Pad - 2 Nos.**
  2. **Sit up Bench - 1 No.**
  3. **Wall Ball - 1 No.**

File Description	Documents
Geotagged pictures	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://sjec.ac.in/#

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

81

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

400.8062

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	**No File Uploaded**

4.2 - Library as a Learning Resource

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

Name of the Software: - EASYLIB 6.4a Cloud-Based Library Management System Software.

Nature of Automation: - Fully automated

Version: - 6.4a Cloud Version

Year of Automation: 2003

1. EASYLIB 6.4a Cloud-Based Library Management System Software has been deployed for automating the entire library operations.

1. Barcode technology is employed for the library housekeeping transactions.

The library uses EASYLIB 6.4a Cloud Based Library Management System Software which supports the in-house operation of the library such as acquisition, cataloging, circulation, serial control, and WEB OPAC. It is an integrated system with all the necessary modules needed for running a library professionally and efficiently. It runs on GUI (Graphical User Interface) environment giving ease of data entry and operation. It has web components that enable sharing of library data across the campus. It also has built-in email and web publication support. As it follows internationally accepted Library Science standards like MARC, AACR2, ISO 2709, Dublin Core, etc., it is easy to interconnect with other libraries. In addition, barcode technology is employed for library housekeeping.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sjec.easylib.net/index.php

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

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

36.58

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

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

159

File Description	Documents
Upload details of library usage by teachers and students	[View File](#)
Any additional information	[View File](#)

4.3 - IT Infrastructure

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

To ensure secured network connectivity and efficient bandwidth management at the central source, both for wired and wireless access, the institution deployed a SonicWALL firewall NSA 460 along with a Ruckus Wi-Fi Controller Ruckus ZD3050. The campus has 2127 computer systems, 131 projectors, 95 Laptops, and 156 printers. All these systems are regularly updated with the latest software updates. 172 Wi-Fi devices have been installed in various locations in the campus and all these devices are controlled from a single location by the Wi-fi controller. The entire campus including Hostels is vigilance through 389 high-definition CCTV cameras via the campus network links and it uses a bulk data storage unit to store the footage of the cameras. CCC is well equipped with backend equipment which includes servers, and bulk data storage units. The institution has framed an IT Policy that covers the purchase and maintenance aspects of IT facilities. The policy is applicable to all Departments and central facilities. The policy is prepared and operationalized by the CCC. The annual budget for IT Infrastructure is prepared and submitted by the CCC. Additional requirements sought from the Departments are also considered as a separate component in

the Institutional annual budget.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2883	**1119**

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

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

A. ?50 Mbps

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

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

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

4.4 - Maintenance of Campus Infrastructure

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

911.84

File Description	Documents
Audited statements of accounts	[View File](#)
Upload any additional information	No File Uploaded

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

The institution has advisory committees to enhance the effectiveness of its support facilities. The Development & Planning Group of Committees is responsible for planning, renovating, repairing, and adding new facilities. Key committees within this group include the Committee for Development Projects, Central Computer Center (CCC) Advisory Committee, and the Administrative Office & Campus Planning. These committees meet frequently with management to provide feedback for continuous improvement.

Departments like the Library, Sports, and CCC are managed by dedicated faculty and staff to handle daily operations. The institution also follows a policy to upgrade or replace equipment as per syllabus updates, monitored through ledgers and stock registers. Regular audits provide utilization reports and department updates to management.

All classrooms are ICT-enabled, well-ventilated, furnished, and cleaned daily by housekeeping staff under supervision. Laboratories meet standards set by statutory bodies, and the campus is fully Wi-Fi enabled, with students and staff registering for access through the CCC. The Central Library is well-stocked with sufficient volumes across various subjects, ensuring adequate resources for students and faculty.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

866

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

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

918

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

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

A. All of the above

File Description	Documents
Link to Institutional website	https://www.sjec.ac.in/training.php
Details of capability development and schemes	View File
Any additional information	View File

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

45

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

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

A. All of the above

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

5.2 - Student Progression

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

512

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

5.2.2 - Number of outgoing students progressing to higher education

20

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

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

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

7

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

5.3 - Student Participation and Activities

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

46

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

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

There are 12 committee groups that will help the institution to run smoothly. They are 1. Culture and Community Group,2. Library and Learning Group 3. Wellness & Sports Group 4. Discipline and Equity Group 5.

Academics and Assessment Group 6. Professional Societies Group 7. Placement and Training Group 8. Development and Planning Group 9. Research and Facilities Group 10. Industry and Innovation Group 11. Quality and Governance Group 12. Student Welfare Group. In all these committees, student representatives are there. Students are also involved in taking decisions in these committees.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sjec.ac.in/college-commitees

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

3

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

5.4 - Alumni Engagement

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

SJEC is now the Alma Mater to more than 10000 engineers and post-graduates across the globe. The SJEC alumni association strives to

1. Improve the prominence of the SJEC Alumni Association.

2. Elevate Alumni recognition and engagement

3. Maintain an up-to-date Alumni database and

4. Build a strong working relationship between the Alumni and the students.

The SJEC has a registered Alumni Association and from offering feedback on courses and curriculum to promoting campus placements,

The SJEC alumni are the off-campus brand ambassadors. The association provides a bridge for the alumni to connect with the students and interact with them. The alumni association hosts REMINISCIA – an annual conclave where alumni who have graduated over the years and are serving in various industry sectors, academia, and government bodies come together to participate in various events, including cultural sports and moderated discussions. An online portal, alumni.sjec.ac.in offers a platform for the alumni to interact with their peers and maintain a good relationship with the Institution.

Along with this, the association can also be contacted via

Email: alumni@sjec.ac.in

LinkedIn: www.linkedin.com/in/alumni-sjec-mangalore

Twitter: www.twitter.com/AlumniSjec

Instagram: alumni_sjec

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://docs.google.com/document/d/19ArIa HPYTbblxD1D0bcMwycjGEKzY5sL/edit

5.4.2 - Alumni's financial contribution during the year   **E. <2 Lakhs**

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

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision: 'To be a global premier Institution of professional education and research'

Mission

- **Provide opportunities to deserving students of all communities, the Christian students in particular, for quality professional education.**
- **Design and deliver curricula to meet the national and global changing needs through student- centric learning methodologies.**
- **Attract, nurture, and retain the best faculty and technical manpower.**
- **Consolidate the state- of-the- art infrastructure and equipment for teaching and research activities.**
- **Promote all- round personality development of the students through interaction with alumni, academia, and industry.**
- **Strengthen the Educational Social Responsibilities of the Institution.**

The Institution is managed by the Diocese of Mangalore, known for its service to mankind across the globe. The Governing Board is the chief policy-framing body of the College. The Director of the College is the Secretary of the governing board, which holds meetings at least twice a year and takes all policy decisions for the College. The college trust has appointed a Governing Council to deal with specific policies of the College. The Principal is the Secretary of the Governing Council, which holds regular meetings once every six months to discuss the policies and academic matters of the College mainly.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	https://sjec.ac.in/about-us, https://sjec.ac.in/vision-mission, https://sjec.ac.in/objectives

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

The administration of the College is decentralized, and this responsibility is given to three committees.

Management Committee (MC): It comprises a Director, Assistant Directors, Principal, and HR Manager and conducts a meeting every Wednesday. It has the authority to plan and execute the administrative needs and takes major administrative decisions for the College.

College Level Committee: The College Committee consists of MC members, Deans, and Heads of all the Departments (the Chairman/Coordinators of the College Association & Committees are its special invitees when specific issues related to association activities are to be discussed). It meets at least twice a semester. It shoulders the responsibility of planning academic and other supporting activities.

Department Level Committees, including Hostels: This Committee involves MC members, respective HOD, and the department staff and meets once a month. It is responsible for preparing the department budget, planning manpower requirements, and arranging department-level activities, including academics.

Participative Management: Students are involved in PAC, DAB, and IQAC to solicit ideas and opinions to strengthen the system. Moreover, the alumni, academicians, and industry experts are actively involved in DAB and IQAC to suggest and frame deployment plans to enhance the system.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

The Institutional Development Strategies are framed with both top- down and bottom-up approaches by taking feedback from all the stakeholders and are in line with the vision and mission of the College. Moreover, all departmental missions reflect the college mission to ensure the smooth deployment of the strategic plans.

Each committee has well-established roles and responsibilities to define the purview of every activity. The system was generated to ensure that every committee provides action plans for each academic year and the budget. In addition, every faculty must give an action plan to enhance the department and Institution every year and the same is reviewed and refined for overall development.

Each department performs SWOC analysis, and it is tabled for discussion with the management to frame the strategies. Through the SWOC analysis, the team can utilize their group's strengths, understand their weaknesses, grab opportunities, and overcome threats. Also, Academic and Administrative Audits (AAA) are performed to ascertain the SWOC of the department and facilitate it to fall in line with the college objectives.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	https://sjec.ac.in/strategic-plan
Upload any additional information	No File Uploaded

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

Service Rules

Service rules are prepared and approved by the Governing Board. The procedure of requirements, promotion policy, leave rules, etc., are explained in the service rules. The same is disseminated to all the faculty and staff. Printed books are made available to all the staff of the College. Any changes made to the service rule are made known through circulars.

Procedures

- The Principal organizes the conduct, valuation, and documentation of internal examinations.
- Norms are established for student etiquette, behaviour, and campus/hostel discipline.
- The Selection Committee makes an appointment of staff after ascertaining the qualifications, interview, and demonstration lectures.
- Training, probation, and confirmation are generally followed for selected appointees.
- Financial/Administrative issues are routed through proper channels (HOD & Principal) for approval by the Director.

Policies

- The Governing Board approves all faculty allocations, and the Governing Board ratifies all appointments.
- Appointments are instituted only after due advertisement, interview, and demonstration lectures to ensure fairness and transparency in the selection process.
- The roles of the Director and the Principal in financial, administrative, and academic matters are well-defined.

The ensures autonomy and administrative ease, and the post of deans are created as and when the need arises.

File Description	Documents
Paste link to Organogram on the institution webpage	https://sjec.ac.in/rules-regulations
Upload any additional information	**No File Uploaded**
Paste link for additional Information	**Nil**

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination　　　**A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	**No File Uploaded**
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

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

- **Research support by granting awards for best publications and presentations.**
- **Sponsors Faculty for Conferences, workshops and FDPs**
- **Provision for pursuing higher education on regular and part time basis with salary.**
- **Implementation of Performance Based Appraisal System(PBAS)**
- **Statutory provisions such as Provident Fund, Gratuity, ESI etc.**
- **Maternity benefits as per Maternity Act.**
- **All staff are covered under Group Accident Policy (Insurance).**
- **Staff Quarters for staff from faraway places.**
- **Creche facility.**
- **Transport Facility**
- **Free WIFI facility**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**

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

122

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

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

23

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

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

129

File Description	Documents
Summary of the IQAC report	**No File Uploaded**
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Every financial year, budget proposals are prepared by the Finance Committee and submitted to the GB for consideration and approval. The Management notifies all the departments at the end of the financial year to prepare budgets for their respective departments. The departments get involved in budget preparation and pre-budget exercises to ensure adequate funds for each department. Institutional requirements such as facilities, equipment, consumables, services, faculty and staff need, etc., are included in the budget. Non-budgeted/ Unforeseen expenditures are met out of the allotted institutional budget. If any, additional expenditures are sanctioned during the college development meetings held from time to time. The College borrows funds whenever the capital expenditure overshoots due to cost escalation and other similar reasons.

Internal

All the Collections are verified daily and maintained transparency in the process. Budget proposals, Payments of bills and vouchers, and supporting documents of every event and the entire financial year are scrutinized by the Internal Financial Committee, which may advise the concerned departments on any possible improvement.

External

Every year, Government-recognized Chartered Accountants audit the accounts and prepare a balance sheet under the Income Tax Act. Also, audited statements are made available via the college website.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**

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

3.5962

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

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

The main source of income for the College is in the form of tuition fees and charity. The Institution treats each department as a separate cost center and all expenses incurred as debits. Each department prepares the budgets before the new financial year, and the Management/Financial Committee reviews the same. If any anomaly is noticed, the concerned bill is approved by the Management after explanation or justification. This helps to avoid unnecessary purchases and optimal utilization of the available resources. The tuition fees are maintained in the current account and used towards the salary and maintenance of the College.

The Alumni Association is requested to contribute monetarily to the development of the system through various activities. The College also generates funds for R&D through sponsored research projects from government and non-governmental agencies. In addition, a small amount is also generated through consultancy projects. For maintaining transport and hostel facilities, a separate fee is collected.

Since the Institution is a charitable organization, the Management provides funds through its sources or avails loans from banks whenever there is a shortage of funds.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	**Nil**

6.5 - Internal Quality Assurance System

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

The IQAC was established on 16th November 2018. Before this, the Institute Alumni Advisory Board (IAAB) and the Accreditation Cell initiated and sustained quality assurance activities. Presently, the IQAC has been revised as per the regulations put forth by NAAC.

The Cell has contributed significantly to creating a healthy/favourable learner-centric environment for quality professional education by adopting the OBE philosophy since 2011.

It has been fine-tuned and institutionalized through focused policy formation and training. At the end of every semester, IQAC conducts FDPs related to quality assurance, accreditation, and OBE under various themes to ensure continual quality improvement in

the system.

To guide and monitor the implementation of OBE in the College, various committees such as DAB, and PAC have been formed by attracting members from the Industry, Alumni, Parents, Management, Faculty, Staff, and Students.

To strengthen and sustain the quality initiatives, Cell has framed Standard Operating Procedures (SOP) at every level of the organization. Further, it has developed quality metrics for internal AAA by synchronizing the requirements of both the NBA and NAAC and the institutional mission. Further, it ensures documentation of all the committees as per the standard format prescribed by the Institution.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**https://sjec.ac.in/iqac**

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

At the end of every semester, IQAC conducts FDPs/Workshops/Seminars/Activities to adopt new engagement pedagogies and ensure continual improvement in the teaching-learning process. The programmes discuss accreditation, teaching-learning, course design, harnessing technology in teaching, course web page development, engineering education research, etc.

Further, the Cell facilitates implementing these programmes' learning in the coming semester with a structured post-implementation analysis. Moreover, IQAC proposes to the management to send the faculty to engineering education conferences, workshops, seminars, certification programmes, etc.

The course files are designed based on Deming's Plan-Do-Check-Act Cycle to ensure continual improvements in the system for the sustainment of quality initiatives. Further, extreme care is taken to confirm COs and TLOs as per Bloom's Taxonomy through a well-

framed checklist. Moreover, the Cell ensures that all departments develop, verify, and share course plans with the stakeholders before the commencement of the semester. In addition, it

facilitates scientifically mapping the COs to POs with proper justification, identifying the right assessment tools and Balancing the Course-PO matrix of the programme. Apart from this, it aids in determining the right strategy to enhance the attainment of POs through PAC, DAB, and IQAC meetings by documenting the action plans categorically and following them up structurally.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://sjec.ac.in/iqac

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

B. Any 3 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	**Nil**
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

1. Safety and Security: The Institution considers 'Safety and Security as paramount to the system. Thus, it has invested all its available resources to safeguard its stakeholders within the Campus. Some of the major initiatives are 24x7 CCTV surveillance across the Campus, including college corridors, classrooms, enough security guards, highly intensive illumination at all prominent places, full-time hostel wardens, etc. 2. Counselling: The counselling service at SJEC is a part of the academic activity. The Management has appointed a qualified Campus Counsellor. The College has adopted the following counselling mechanism: General Counselling: The College identifies a few

staff members as mentors and a training programme is held during the semester vacation. Behavioural Counselling: The Campus Counsellor takes care of students with behavioural problems. 3. Common Room: Separate and well-maintained washrooms are provided on every floor of the buildings for boys and girls. Different common rooms are provided for boys and girls to meet their rest and personal requirements. In addition, separate common rooms are provided in the workshops/machine shops to cater to the needs of the students.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	https://sjec.ac.in/jagruthi-prevention-of-sexual-assault-committe

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

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

1. Solid waste management:

Solid waste is disposed of through a private agency. Further, dustbins are kept in all prominent places to ensure cleanliness and hygiene. The housekeeping staff collects the waste from the bins every day. The workers properly segregate all these solid wastes, and external agencies dispose of them according to statutory regulations.

The dry waste (Leaves) from the Campus is sent to the vermicompost unit inside the Campus for composting. Compost is utilized in Campus and also sold to institutions in need.

The wet waste from the Hostels, Canteen, and Amenities Block are sent to the Biogas plant. The Biogas is then utilized in the Kitchen for cooking purposes.

1. Liquid waste management:

Liquid waste from different sources such as canteen, toilets, hostels, etc., are segregated and let out through a common drainage facility to a centralized sewage water treatment tank at the corner of the campus. The treated water is used for gardening and flushing. This helps to maintain and improve the groundwater level.

1. E-waste management:

Following policies are adopted for e-waste management: Reduce the utilization of e-materials: By providing high speed Wi-Fi throughout the College to help reduce the utilization of computers in College/Central facilities.

Reuse e-materials: By donating old workable electronic items to the needy. These can be reused after slight modifications to the original functioning equipment.

Recycle e-waste: If the above strategies are not feasible, then the e-waste is disposed of as per the regulations of the statutory bodies.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	No File Uploaded
Any other relevant information	View File

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	**No File Uploaded**

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **C. Any 2 of the above**

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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	**No File Uploaded**
Any other relevant documents	View File

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: **B. Any 3 of the above**

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions/awards**
5. **Beyond the campus environmental promotional activities**

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	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	**No File Uploaded**
Details of the software procured for providing 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, socio-economic and other diversities (within a maximum of 200 words).

NSS and Youth Red Cross: This cell organizes and promotes government initiatives such as Swacch Bharath, Save Water, Abolish Plastics, Tree Plantation, AIDS Awareness campaigns/ programmes/ Rallies, Road Safety week etc. to adapt the graduate attributes such as Engineering and Society, Environment and

Sustainability, and Lifelong learning. Moreover, it organizes blood donation camps every year and conducts charity programmes for the neighbourhood. Every department conducts ESR activities and students are encouraged to take up mini and capstone projects during their course to align their engineering knowledge along with society and mankind. Moreover, management arranges events of commemoration and observance of all-important days and occasions, Special technical programmes for the school children, Personality development training activities, Digital literacy campaigns, and Adult Education- Physical, Spiritual and Psychological Counselling for the students. Further, the cultural committee organizes events to pervade cultural and religious diversity.

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

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

The college conducts universal human values education classes for every newly joined student. In the class, we covered very important areas: Aspirations and Concerns, Peer pressure, Reverence for excellence, Gratitude and love, and the Foundation of Relationship- Trust. Other than this, eminent speakers will give talks on health and hygiene, psychological aspects, and adolescence. Also, faculties are encouraged to complete the Universal Human Values course offered by AICTE.

Some other measures are:

- Talks on Various life related topics by experts in the field.
- Appointment of student Counsellor for students.
- Sessions to the students, topic: How to write assignments
- Talk for faculty on Foundation Day on the topic Faculty-student's relationship
- Talk on Teachers Day for faculty on the topic – Role of teacher in students' studies

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

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

C. Any 2 of the above

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

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

The College organizes several national, religious, and state-level festivals to commemorate the contribution of national leaders and to instil patriotism among the stakeholders. It organizes Republic Day, Independence Day, Teachers' Day, Karnataka Rajyothsava, Engineer's Day, Onam, Moharam, and Nativity festivals to ensure unity in diversity. It practices a pluralistic approach towards all religious functions and encourages the students and faculty to showcase the same. Death anniversaries of persons of national importance are marked by

paying homage and recalling their contribution to the nation. Special prayers are arranged on all these occasions in the college chapel to honour the leaders by paying tributes to them.

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

7.2 - Best Practices

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

Best Practice 1 focuses on actively engaging students through the implementation of active learning activities in engineering education. The objective is to enhance technical knowledge, soft skills, and presentation abilities, preparing students for the dynamic corporate environment. The practice involves faculty organizing active learning sessions, individual tasks, and group projects, fostering a culture of experiential learning. The evidence of success includes improved problem-solving skills, teamwork, confidence, and critical thinking.

Best Practice 2 emphasizes the importance of industrial visits to bridge the gap between theoretical knowledge and practical industry applications. The objectives include familiarizing students with industry practices, introducing cutting-edge technologies, and providing exposure to the industrial environment. Challenges in implementation include identifying suitable industries, coordinating logistics, and obtaining permissions. Despite these challenges, industrial visits offer invaluable hands-on experience, enhance awareness of industry practices, and contribute to holistic education by combining theoretical and practical learning experiences. The benefits outweigh the challenges, making the investment in resources and efforts worthwhile.

File Description	Documents
Best practices in the Institutional website	https://sjec.ac.in/department/mechanical
Any other relevant information	https://sjec.ac.in/department/master-of-business-administration

7.3 - Institutional Distinctiveness

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

- **Inculcating innovative pedagogy among faculty for OBE. More specifically, structured deployment of Bloom's Taxonomy in implementing the OBE.**
- **Every department has come up with the Teaching-Learning Process (TLP) documents to strengthen the OBE system.**
- **The research strategy covers all the major academic disciplines. Faculty and students are actively involved in research in key areas of Science, Technology, and Management. The research is clearly visible in terms of wide publications and various projects securing grants from external agencies.**
- **A Teaching-Learning Centre (TLC) has been established to bring new pedagogies of engagement and assist the faculty members in the OBE deployment process.**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The institute has the systematic procedure for development, revision and implementation of curriculum of all the programs. The curriculum is carefully designed by addressing the emerging technologies and the opportunities that exist at the local, regional, national and international level.

The curriculum is designed to ensure that the students have the required domain knowledge, skills and attitude as per the specifications laid down by NBA. The curriculum for each course is designed by referring the curriculum specified by the affiliating university VTU Belagavi, AICTE Model Curriculum, Curriculum of reputed Indian and International universities, feedback from faculty, industry experts, subject experts, alumni and various bodies under autonomy structure.

In the initial phase of designing the curriculum, types of courses, the number of electives, complete details of each course and its syllabus is framed. In the second phase the Course Outcomes (COs) for every course is mapped with the Program Outcomes (POs) of NBA and the Program Specific Outcomes (PSOs) of the program. At the college level the attainment of the POs and PSOs for each program is monitored after every academic year. Thus, implementation of the OBE is ensured.

The curriculum is designed through the discussions with stakeholders and is placed in the Departmental Academic Affairs Committee for feedback. The curriculum then is put forth to Board of Studies (BoS) where experts from academia, industry, alumni and senior faculty members will review the curriculum. The curriculum is then placed for approval during the Academic Council (AC). Curriculum finally evolved and published.

File Description	Documents
Upload additional information, if any	**No File Uploaded**
Link for additional information	https://sjec.ac.in/scheme-syllabus

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

11

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

503

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

1.2 - Academic Flexibility

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

503

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

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

11

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

1.3 - Curriculum Enrichment

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

Institute integrates crosscutting issues relevant to professional ethics, gender, human values, environment and sustainability into the curriculum.

Professional Ethics: Second-year undergraduates take a mandatory course, "Constitution of India and Professional Ethics," which emphasizes ethics and values in personal, social, and professional contexts. This course cultivates an understanding of ethical conduct and prepares students for real-world challenges.

Gender Sensitization: The institute has the JAGRUTHI Cell and Grievance Redressal Cell to promote gender equity, ensure female students' safety, and address related concerns. High-resolution CCTV cameras and strong security measures enhance campus safety, complemented by separate on-campus hostels for boys and girls.

Human Values: The compulsory "Universal Human Values" course

for second-year students focuses on self-reflection, individual and social values, and fosters confidence and commitment to ethical conduct.

Environment and Sustainability: Engineering students study "Environmental Studies" in their third year, addressing environmental issues related to land, air, water, and sustainable development.

In addition, various activities like quiz and poster competitions, invited talks are organized to create awareness on the above crosscutting issues to students.

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

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

36

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

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

381

File Description	Documents
List of students enrolled	[View File](#)
Any additional information	[View File](#)

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

projects

501

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

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

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	C. Feedback collected and analysed

File Description	Documents
Provide URL for stakeholders' feedback report	Nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

850

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

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

351

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

2.2 - Catering to Student Diversity

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

After enrolment, the institution conducts induction programmes for the students and parents. During the programme, the basics of the system are discussed, along with soliciting the stakeholders' expectations. Moreover, 'Bridge Courses' are conducted to ensure students' synchronization with the system. To monitor and evaluate the students' learning levels the following systems are in place. A separate First Year Coordinator to overview the enhancing students' learning levels. A faculty advisor for every class and a mentor for every 15 to 20 students. Slow Learners: Slow learners are rigorously counselled by mentors and receive feedback regarding their studies and personal issues to enhance their academic performance. Tutorials are conducted for slow learners in the identified subjects. Language laboratory and communication skills classes are conducted to enhance soft skills. Additional Bridge Courses (Lateral Entry) in Mathematics concepts are taught to lateral entry students to help them cope with the subject. Advanced Learners: To foster advanced learners, department specific student associations are developed. These associations aid in further development, enhancing leadership qualities and nurturing interpersonal skills. Also, advanced learners are encouraged to participate in symposiums, paper presentations, poster presentations, and quiz contests. They are encouraged

to register and participate in events organized by professional bodies.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2023	2881	163

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

In our institution, the emphasis on student-centric education is paramount, as we recognize the transformative impact of experiential learning, participative learning, and problem-solving methodologies on enhancing the overall learning experience. The adoption of these dynamic approaches is designed to actively involve students in their own educational journey.

Experiential learning engages students through hands-on activities, allowing them to apply theoretical knowledge in practical scenarios. The institution is recognised Virtual Lab Nodal Center under the participating institute NITK Surathkal. Experiential learning approach not only deepens understanding but also cultivates critical thinking and practical skills. Participative learning promotes collaboration and interaction among students, fostering a vibrant learning community. Through discussions, group projects, and peer-to-peer engagement, students actively contribute to the collective learning experience.

Problem-solving methodologies are integrated into the curriculum to instill analytical skills and creativity. Students are encouraged to tackle real-world challenges, promoting a proactive and solutions-oriented mindset. This student-centric approach extends beyond the traditional classroom setting, creating an environment where individual learning styles are acknowledged and catered to.

By employing these methods, the institution strives to empower students as active participants in their education, preparing them not only with knowledge but also with the skills and mindset essential for success in a rapidly evolving world. The commitment to student-centric methodologies reflects our dedication to providing a holistic and enriching learning environment.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

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

In embracing the rapidly evolving landscape of education, our institution prioritizes the integration of Information and Communication Technology (ICT) tools to enhance the teaching-learning process. Teachers are empowered to leverage a diverse array of ICT-enabled tools that cater to varied learning styles and foster an engaging educational environment. These tools encompass interactive presentations, educational software, virtual simulations, and collaborative platforms, all designed to augment traditional teaching methodologies.

By incorporating ICT tools, teachers can create dynamic and interactive lessons that captivate students' attention and cater to diverse learning needs. These technologies facilitate multimedia-rich content, enabling teachers to illustrate complex concepts through visual aids, videos, and interactive exercises. Furthermore, real-time assessment tools allow for immediate feedback, enabling educators to

tailor their approach to meet individual student needs and
track overall class progress.

Regular training and professional development sessions
conducted through the institution Teaching Learning Center -
SANJOSH ensure that teachers stay abreast of the latest ICT
tools and methodologies. This commitment to technological
integration not only enhances the efficacy of teaching but
also equips students with essential digital literacy skills
crucial for their future endeavors. The institution's embrace
of ICT tools underscores its dedication to fostering a
modern, innovative, and inclusive learning environment that
prepares students for the challenges of the digital age.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
Upload any additional information	No File Uploaded

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

2.3.3.1 - Number of mentors

152

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

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

The affiliated University provides an academic calendar for
odd and even semesters separately. The College, in turn,
prepares a college-level calendar, and each department will
put forth a departmental calendar, which is in line with the
college calendar to ensure timely execution of micro-level
activities. The academic calendar provides total effective

working days in each semester. The college calendar includes list of examinations date (both CIE and SEE), vacations, holidays, festivals and major college level activities etc. The department level calendar includes additional information such as seminars, conferences, workshops, industrial visits etc.

Each faculty in the college prepares a teaching plan for each subject at the beginning of every semester. This is recorded in the Teachers Work Diary. This plan serves as a guide to conduct the activities in and outside the classroom for the students. The faculty are required to submit their work diary on weekly basis to the respective HODs and HODs check the progress of each course in a timely manner and ensure the successful completion of course.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	[View File](#)

2.4 - Teacher Profile and Quality

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

163

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

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

31

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

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

1395

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

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

35

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

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

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

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

The institution is using the Examination Management System (EMS) developed by "Contineo". The EMS Module is supported by the "Admission Module" and "Student Information System (SIMS) Module". The Admission Module is used to acquire the student's information as per the requirements and norms. The data acquired in the Admission Module will be imported into SIMS and EMS. Students' attendance and Continuous Internal Assessment entries are made in the SIMS Module by the course coordinator. The data will be imported to EMS after the due approval by the Dean (Academics) and Principal. The EMS Module has two sub-modules as, Seating Arrangement Module and Exam Instance Module. The Seating Arrangement Module is used for Pre-Exam processes like the generation of examination admit cards for the eligible students and seating arrangements, examination attendance forms as per the room allotments, question paper indents, etc. The Exam Instance Module is used for post-Exam processes viz, generation of barcodes for answer script coding and packeting, examiner assignment for valuation, result processing, result sheets, result analysis, the printing of grade cards, generation of an eligibility list as per norms, etc. The SEE results will be published through the Online Result portal.

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

2.6 - Student Performance and Learning Outcomes

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

students

The institution is committed to transparency and clarity in its educational offerings, ensuring that both teachers and students are well-informed about the expected outcomes of each program and course. To achieve this, detailed program and course outcomes are meticulously formulated and prominently displayed on the institution's official website. These outcomes serve as a comprehensive guide, offering a clear understanding of the knowledge, skills, and competencies that students are expected to acquire upon completion of their respective programs.

Regular communication channels are established to disseminate this critical information to both teachers and students, fostering a shared understanding of the educational objectives. By providing accessible and up-to-date documentation on the institution's website, stakeholders can easily reference and align their expectations with the goals of each program. This commitment to transparency not only enhances the overall learning experience but also facilitates a collaborative and informed educational community within the institution. Ultimately, the institution strives to empower students with a roadmap for success and equip educators with the necessary tools to guide and assess student progress effectively.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	No File Uploaded
Upload any additional information	No File Uploaded
Link for additional Information	https://sjec.ac.in/#

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

Program outcomes and course outcomes undergo rigorous evaluation during annual Program Assessment Committee (PAC) meetings, facilitated by program coordinators, department heads, and selected faculty members. These meetings serve as critical forums where the effectiveness of both the overall

program outcomes and specific course outcomes are assessed in detail.

ollowing the PAC meetings, the evaluation process continues with a Department Advisory Board (DAB) meeting. This meeting plays a pivotal role in gathering comprehensive feedback from a diverse array of stakeholders, including students, alumni, parents, and industry representatives. Their insights and perspectives are crucial in providing a holistic understanding of how well the program and its individual courses align with the needs and expectations of various stakeholders.

The DAB meeting serves as a platform for discussing strategies to enhance program quality, curriculum relevance, and overall educational experience. By incorporating feedback from all stakeholders, the department aims to continuously improve and adapt its educational offerings to meet current industry standards and societal needs. This iterative process of assessment and feedback ensures that the educational programs remain dynamic and responsive to evolving trends and demands in the field.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

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

895

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	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://sjec.ac.in/storage/files/documents/dynamic-pages/naac-sjec/aqar/Student_Satisfaction_Survey_2022-2023_Respone.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

A number of research facilities are added every year and made available for both the internal and external faculty. The facilities are extensively used by the faculty and students. To name a few, the following are equipment purchased recently.

1. XILINX ARTEX – 7 FPGA, Evaluation Kit - EK – 47 – AC701 – G Base Board AMS 101 Evaluation Card Xilinx Vivado Design Suite
2. Tubular muffle furnace
3. Ball mill (AIMIL)
4. Pulvarizer (AIMIL)
5. Balance Eye Detector, Input 100-240V AC – 50/60 Hz, 2 eye tracking camera, Output 5V DC, Windows 10 and higher
6. UV-Visible Spectrophotometer, Microprocessor-based UV-VIS Spectrophotometer with high visibility color touch panel display, for operation on 220V / 50Hz. Lab Solution UV Vis for UV 1900 Included.
7. Fluorescence spectrophotometer - Stand-alone or PC

operation, Light source-150W Xenon lamp (self-deozonating lamp house), Photometric principle-Monochromatic light monitoring ration calculation, Sensitivity-800 or more (RMS) (bandpass 5nm, response time 2 S), Bandpass -2.5, 5, 10, 20 nm (both Ex and Em), Wavelength scan speed-60 – 3,000 nm/min (four steps), 12,000 (when PC control)

The institute has implemented the 'SJEC Research Policy' which comprehensively details the obligations, collaborative research, ownership of Intellectual Property Rights, commercialization of research, etc. The policy is published on the college website and available to faculty and staff in a booklet.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	**No File Uploaded**
Provide URL of policy document on promotion of research uploaded on the website	https://sites.google.com/sjec.ac.in/sjecresearch/home?authuser=0
Any additional information	View File

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

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

114.77

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	**No File Uploaded**
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

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

0

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

3.2 - Resource Mobilization for Research

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

34.5886

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

3.2.2 - Number of teachers having research projects during the year

9

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sites.google.com/sjec.ac.in/sjecresearch/home
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

20

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

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

3

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://sites.google.com/sjec.ac.in/sjecresearch/home
Any additional information	View File

3.3 - Innovation Ecosystem

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

The New Age Incubation Network (NAIN)- (powered by the

Department of Information Technology/Biotechnology and S&T, Govt of Karnataka) provides a grant of Rs 3 lakhs/year for each selected novel project from the Govt. of Karnataka. The SJEC Incubation Centre, with a working space of 4000 sqft facility, can simultaneously accommodate up to 15 start-ups. This state-of-theart facility includes well-furnished seating arrangements, high-configuration computers, independent high-speed, dedicated internet connection, uninterrupted power back up, and discussion & meeting rooms.

The IPR cell established in collaboration with Karnataka Science Council for Science and Technology (KSCST) helps bring awareness about IPR, enables patent searches, guides inventors in respect of patenting searches, facilitates filing of patents, etc.

The SJEC AICTE IDEA Lab established in 2021 with the support of AICTE is aimed at encouraging students to apply Science, Technology, Engineering, and Mathematics (STEM) fundamentals towards enhanced hands-on experience, learning by doing, and product visualization. The IDEA Lab makes engineering students more imaginative and creative in addition to imbibing skills of critical thinking, problem-solving, design thinking, collaboration, communication, and lifelong learning. The lab has an area of 5000 sq. ft equipped with advanced machinery, tools, and consumables to support the translation of an idea to prototype development or solution of a problem.

SJEC has gotten the approval for implementation of the National Innovation and Start-up Policy (NISP) by the MoE.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

41

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	B. Any 3 of the above

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

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

3.4.2.1 - Number of PhD students registered during the year

14

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

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

56

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

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

25

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

1582

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

28

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<u>View File</u>
Any additional information	**No File Uploaded**

3.5 - Consultancy

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

6.73

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

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

Rs.15,300

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

3.6 - Extension Activities

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

AICUF (All India Catholic University Federation): This association is deeply involved in social service through the student community. Also, it instills spirituality among the students. It conducts visits to different primary and high schools, retreat homes, nursing homes, hospitals etc. serves the people and sensitizes the civil culture and responsibility among the students. NSS and Youth Red Cross: This cell organizes and promotes government initiatives such as Swacch Bharath, Save Water, Abolish Plastics, Tree Plantation, AIDS Awareness campaigns/ programmes/

Rallies, Road Safety week etc. to adapt the graduate attributes such as Engineering and Society, Environment and Sustainability, and Lifelong learning. Moreover, it organizes blood donation camps every year and conducts charity programmes for the neighbourhood. Every department conducts ESR activities and students are encouraged to take up mini and capstone projects during their course to align their engineering knowledge with society and mankind. Moreover, management arranges events of commemoration and observance of all-important days and occasions, Special technical programmes for the school children, Personality development training activities, Digital literacy campaigns, and Adult Education- Physical, Spiritual and Psychological Counselling for the students. Further, the cultural committee organizes

events to pervade cultural and religious diversity.

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

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

28

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

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

81

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

2138

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

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

98

File Description	Documents
Copies of documents highlighting collaboration	[View File](#)
Any additional information	[View File](#)

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

24

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	[View File](#)
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	[View File](#)
Any additional information	[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 equipments, etc.

The institution has adequate facilities for Teaching - Learning activities, viz., classrooms, laboratories, computing equipment etc. In keeping up with the evolving needs of the students and the increase in admissions, necessary facilities were added. A summary of newly added facilities during 2022-2023 are provided below. Details of the facilities added are uploaded separately.

1. No. of Classrooms added in 2022-23

SL No.	Department	No of Classrooms Added
1	Computer Science & Engineering	04
2	Intelligent Computing & Business Systems	03
4	Computer Applications	05
5	Business Administration	02
Total		14

   1. No. of Laboratories added in 2022-23: 17

SL No.	Department	No of Laboratories Added
1	Computer Science & Engineering	

04

2

Intelligent Computing & Business Systems

03

4

Computer Applications

05

5

Business Administration

02

6

Electronics & Communication Engineering

05

9

Mathematics

01

10

SJEC AICTE IDEA Lab

01

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sjec.ac.in/#

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games

(indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The Institution has all necessary facilities for Cultural Activities, Sports, Games, and Gymnasium. The following Sports, Games, & Gymnasium Facilities added during the year 2022-2023:

General:

1. Gents Changing Room with toilets near the Volleyball court (Addition of 15.39 Sqm)
2. Store room near Volleyball court (Addition of 2.16 Sqm)
3. Ladies Changing Room with toilets near Volleyball court (Addition of 10.9 Sqm)
4. Table Tennis Room (Addition of 75.6 Sqm)

List of New Equipments in the Gymnasium for boys:

1. Dumbbells (Addition of 94 Kgs)
2. Ab Pad - 1 No.
3. Sit up Bench - 1 No.
4. Wrestling Mats - 16 Nos.
5. Wrestling Mats Cover sheet - 1 No.
6. Spring Take off board - 1 No.
7. 3 Leaf Anti-Skid four wheel Abs workout - 1 No.

List of Equipments in the Gymnasium for girls:

1. Ab Pad - 2 Nos.
2. Sit up Bench - 1 No.
3. Wall Ball - 1 No.

File Description	Documents
Geotagged pictures	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional information	https://sjec.ac.in/#

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

81

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

400.8062

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

Name of the Software: - EASYLIB 6.4a Cloud-Based Library Management System Software.

Nature of Automation: - Fully automated

Version: - 6.4a Cloud Version

Year of Automation: 2003

1. **EASYLIB 6.4a Cloud-Based Library Management System Software has been deployed for automating the entire library operations.**

1. **Barcode technology is employed for the library housekeeping transactions.**

The library uses EASYLIB 6.4a Cloud Based Library Management System Software which supports the in-house operation of the library such as acquisition, cataloging, circulation, serial control, and WEB OPAC. It is an integrated system with all

the necessary modules needed for running a library professionally and efficiently. It runs on GUI (Graphical User Interface) environment giving ease of data entry and operation. It has web components that enable sharing of library data across the campus. It also has built-in email and web publication support. As it follows internationally accepted Library Science standards like MARC, AACR2, ISO 2709, Dublin Core, etc., it is easy to interconnect with other libraries. In addition, barcode technology is employed for library housekeeping.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sjec.easylib.net/index.php

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

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

36.58

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

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

159

File Description	Documents
Upload details of library usage by teachers and students	[View File](#)
Any additional information	[View File](#)

4.3 - IT Infrastructure

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

To ensure secured network connectivity and efficient bandwidth management at the central source, both for wired and wireless access, the institution deployed a SonicWALL firewall NSA 460 along with a Ruckus Wi-Fi Controller Ruckus ZD3050. The campus has 2127 computer systems, 131 projectors, 95 Laptops, and 156 printers. All these systems are regularly updated with the latest software updates. 172 Wi-Fi devices have been installed in various locations in the campus and all these devices are controlled from a single location by the Wi-fi controller. The entire campus including Hostels is vigilance through 389 high-definition CCTV cameras via the campus network links and it uses a bulk data storage unit to store the footage of the cameras. CCC is well equipped with backend equipment which includes servers, and bulk data storage units. The institution has framed an IT Policy that covers the purchase and maintenance aspects of IT facilities. The policy is applicable to all Departments and central facilities. The policy is prepared and operationalized by the CCC. The annual budget for IT Infrastructure is prepared and submitted by the CCC. Additional requirements sought from the Departments are also considered as a separate component in the Institutional annual budget.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2883	**1119**

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

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

A. ?50 Mbps

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

4.3.4 - Institution has facilities for e-content development:
Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

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

4.4 - Maintenance of Campus Infrastructure

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

911.84

File Description	Documents
Audited statements of accounts	[View File](#)
Upload any additional information	No File Uploaded

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

The institution has advisory committees to enhance the effectiveness of its support facilities. The Development & Planning Group of Committees is responsible for planning, renovating, repairing, and adding new facilities. Key committees within this group include the Committee for Development Projects, Central Computer Center (CCC) Advisory Committee, and the Administrative Office & Campus Planning. These committees meet frequently with management to provide feedback for continuous improvement.

Departments like the Library, Sports, and CCC are managed by dedicated faculty and staff to handle daily operations. The institution also follows a policy to upgrade or replace equipment as per syllabus updates, monitored through ledgers and stock registers. Regular audits provide utilization reports and department updates to management.

All classrooms are ICT-enabled, well-ventilated, furnished, and cleaned daily by housekeeping staff under supervision. Laboratories meet standards set by statutory bodies, and the campus is fully Wi-Fi enabled, with students and staff registering for access through the CCC. The Central Library is well-stocked with sufficient volumes across various subjects, ensuring adequate resources for students and faculty.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

866

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

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

918

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

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

File Description	Documents
Link to Institutional website	https://www.sjec.ac.in/training.php
Details of capability development and schemes	View File
Any additional information	View File

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

45

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

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

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

5.2 - Student Progression

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

512

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

5.2.2 - Number of outgoing students progressing to higher education

20

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

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

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

7

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

5.3 - Student Participation and Activities

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

46

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

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

There are 12 committee groups that will help the institution to run smoothly. They are 1. Culture and Community Group,2. Library and Learning Group 3. Wellness & Sports Group 4. Discipline and Equity Group 5.

Academics and Assessment Group 6. Professional Societies Group 7. Placement and Training Group 8. Development and Planning Group 9. Research and Facilities Group 10. Industry and Innovation Group 11. Quality and Governance Group 12. Student Welfare Group. In all these committees, student representatives are there. Students are also involved in taking decisions in these committees.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sjec.ac.in/college-commitees

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

3

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

5.4 - Alumni Engagement

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

services

SJEC is now the Alma Mater to more than 10000 engineers and post-graduates across the globe. The SJEC alumni association strives to

1. Improve the prominence of the SJEC Alumni Association.

2. Elevate Alumni recognition and engagement

3. Maintain an up-to-date Alumni database and

4. Build a strong working relationship between the Alumni and the students.

The SJEC has a registered Alumni Association and from offering feedback on courses and curriculum to promoting campus placements,

The SJEC alumni are the off-campus brand ambassadors. The association provides a bridge for the alumni to connect with the students and interact with them. The alumni association hosts REMINISCIA – an annual conclave where alumni who have graduated over the years and are serving in various industry sectors, academia, and government bodies come together to participate in various events, including cultural sports and moderated discussions. An online portal, alumni.sjec.ac.in offers a platform for the alumni to interact with their peers and maintain a good relationship with the Institution.

Along with this, the association can also be contacted via

Email: alumni@sjec.ac.in

LinkedIn: www.linkedin.com/in/alumni-sjec-mangalore

Twitter: www.twitter.com/AlumniSjec

Instagram: alumni_sjec

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	https://docs.google.com/document/d/19ArIaHPYTbblxD1D0bcMwycjGEKzY5sL/edit

5.4.2 - Alumni's financial contribution during the year	**E. <2 Lakhs**

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

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision: 'To be a global premier Institution of professional education and research'

Mission

- **Provide opportunities to deserving students of all communities, the Christian students in particular, for quality professional education.**
- **Design and deliver curricula to meet the national and global changing needs through student- centric learning methodologies.**
- **Attract, nurture, and retain the best faculty and technical manpower.**
- **Consolidate the state- of-the- art infrastructure and equipment for teaching and research activities.**
- **Promote all- round personality development of the students through interaction with alumni, academia, and industry.**
- **Strengthen the Educational Social Responsibilities of the Institution.**

The Institution is managed by the Diocese of Mangalore, known for its service to mankind across the globe. The Governing Board is the chief policy-framing body of the College. The

Director of the College is the Secretary of the governing board, which holds meetings at least twice a year and takes all policy decisions for the College. The college trust has appointed a Governing Council to deal with specific policies of the College. The Principal is the Secretary of the Governing Council, which holds regular meetings once every six months to discuss the policies and academic matters of the College mainly.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://sjec.ac.in/about-us, https://sjec.ac.in/vision-mission, https://sjec.ac.in/objectives

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

The administration of the College is decentralized, and this responsibility is given to three committees.

Management Committee (MC): It comprises a Director, Assistant Directors, Principal, and HR Manager and conducts a meeting every Wednesday. It has the authority to plan and execute the administrative needs and takes major administrative decisions for the College.

College Level Committee: The College Committee consists of MC members, Deans, and Heads of all the Departments (the Chairman/Coordinators of the College Association & Committees are its special invitees when specific issues related to association activities are to be discussed). It meets at least twice a semester. It shoulders the responsibility of planning academic and other supporting activities.

Department Level Committees, including Hostels: This Committee involves MC members, respective HOD, and the department staff and meets once a month. It is responsible for preparing the department budget, planning manpower requirements, and arranging department-level activities, including academics.

Participative Management: Students are involved in PAC, DAB,

and IQAC to solicit ideas and opinions to strengthen the system. Moreover, the alumni, academicians, and industry experts are actively involved in DAB and IQAC to suggest and frame deployment plans to enhance the system.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

The Institutional Development Strategies are framed with both top- down and bottom-up approaches by taking feedback from all the stakeholders and are in line with the vision and mission of the College. Moreover, all departmental missions reflect the college mission to ensure the smooth deployment of the strategic plans.

Each committee has well-established roles and responsibilities to define the purview of every activity. The system was generated to ensure that every committee provides action plans for each academic year and the budget. In addition, every faculty must give an action plan to enhance the department and Institution every year and the same is reviewed and refined for overall development.

Each department performs SWOC analysis, and it is tabled for discussion with the management to frame the strategies. Through the SWOC analysis, the team can utilize their group's strengths, understand their weaknesses, grab opportunities, and overcome threats. Also, Academic and Administrative Audits (AAA) are performed to ascertain the SWOC of the department and facilitate it to fall in line with the college objectives.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	https://sjec.ac.in/strategic-plan
Upload any additional information	No File Uploaded

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

Service Rules

Service rules are prepared and approved by the Governing Board. The procedure of requirements, promotion policy, leave rules, etc., are explained in the service rules. The same is disseminated to all the faculty and staff. Printed books are made available to all the staff of the College. Any changes made to the service rule are made known through circulars.

Procedures

- The Principal organizes the conduct, valuation, and documentation of internal examinations.
- Norms are established for student etiquette, behaviour, and campus/hostel discipline.
- The Selection Committee makes an appointment of staff after ascertaining the qualifications, interview, and demonstration lectures.
- Training, probation, and confirmation are generally followed for selected appointees.
- Financial/Administrative issues are routed through proper channels (HOD & Principal) for approval by the Director.

Policies

- The Governing Board approves all faculty allocations, and the Governing Board ratifies all appointments.
- Appointments are instituted only after due advertisement, interview, and demonstration lectures to ensure fairness and transparency in the selection process.

- **The roles of the Director and the Principal in financial, administrative, and academic matters are well-defined.**

The ensures autonomy and administrative ease, and the post of deans are created as and when the need arises.

File Description	Documents
Paste link to Organogram on the institution webpage	https://sjec.ac.in/rules-regulations
Upload any additional information	**No File Uploaded**
Paste link for additional Information	**Nil**

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	**A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	**No File Uploaded**
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

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

- **Research support by granting awards for best publications and presentations.**
- **Sponsors Faculty for Conferences, workshops and FDPs**
- **Provision for pursuing higher education on regular and part time basis with salary.**
- **Implementation of Performance Based Appraisal System(PBAS)**
- **Statutory provisions such as Provident Fund, Gratuity,**

- **ESI etc.**
- **Maternity benefits as per Maternity Act.**
- **All staff are covered under Group Accident Policy (Insurance).**
- **Staff Quarters for staff from faraway places.**
- **Creche facility.**
- **Transport Facility**
- **Free WIFI facility**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**

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

122

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

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

23

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

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes,

Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

129

File Description	Documents
Summary of the IQAC report	**No File Uploaded**
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Every financial year, budget proposals are prepared by the Finance Committee and submitted to the GB for consideration and approval. The Management notifies all the departments at the end of the financial year to prepare budgets for their respective departments. The departments get involved in budget preparation and pre-budget exercises to ensure adequate funds for each department. Institutional requirements such as facilities, equipment, consumables, services, faculty and staff need, etc., are included in the budget. Non-budgeted/ Unforeseen expenditures are met out of the allotted institutional budget. If any, additional expenditures are sanctioned during the college development meetings held from time to time. The College borrows funds whenever the capital expenditure overshoots due to cost escalation and other similar reasons.

Internal

All the Collections are verified daily and maintained transparency in the process. Budget proposals, Payments of bills and vouchers, and supporting documents of every event and the entire financial year are scrutinized by the Internal Financial Committee, which may advise the concerned departments on any possible improvement.

External

Every year, Government-recognized Chartered Accountants audit the accounts and prepare a balance sheet under the Income Tax Act. Also, audited statements are made available via the college website.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

3.5962

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

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

The main source of income for the College is in the form of tuition fees and charity. The Institution treats each department as a separate cost center and all expenses incurred as debits. Each department prepares the budgets before the new financial year, and the Management/Financial Committee reviews the same. If any anomaly is noticed, the concerned bill is approved by the Management after explanation or justification. This helps to avoid unnecessary purchases and optimal utilization of the available resources. The tuition fees are maintained in the current account and used towards the salary and maintenance of the College.

The Alumni Association is requested to contribute monetarily to the development of the system through various activities. The College also generates funds for R&D through sponsored research projects from government and non-governmental

agencies. In addition, a small amount is also generated through consultancy projects. For maintaining transport and hostel facilities, a separate fee is collected.

Since the Institution is a charitable organization, the Management provides funds through its sources or avails loans from banks whenever there is a shortage of funds.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	**Nil**

6.5 - Internal Quality Assurance System

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

The IQAC was established on 16th November 2018. Before this, the Institute Alumni Advisory Board (IAAB) and the Accreditation Cell initiated and sustained quality assurance activities. Presently, the IQAC has been revised as per the regulations put forth by NAAC.

The Cell has contributed significantly to creating a healthy/favourable learner-centric environment for quality professional education by adopting the OBE philosophy since 2011.

It has been fine-tuned and institutionalized through focused policy formation and training. At the end of every semester, IQAC conducts FDPs related to quality assurance, accreditation, and OBE under various themes to ensure continual quality improvement in

the system.

To guide and monitor the implementation of OBE in the College, various committees such as DAB, and PAC have been formed by attracting members from the Industry, Alumni, Parents, Management, Faculty, Staff, and Students.

To strengthen and sustain the quality initiatives, Cell has framed Standard Operating Procedures (SOP) at every level of the organization. Further, it has developed quality metrics for internal AAA by synchronizing the requirements of both the NBA and NAAC and the institutional mission. Further, it ensures documentation of all the committees as per the standard format prescribed by the Institution.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://sjec.ac.in/iqac

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

At the end of every semester, IQAC conducts FDPs/Workshops/Seminars/Activities to adopt new engagement pedagogies and ensure continual improvement in the teaching-learning process. The programmes discuss accreditation, teaching-learning, course design, harnessing technology in teaching, course web page development, engineering education research, etc.

Further, the Cell facilitates implementing these programmes' learning in the coming semester with a structured post-implementation analysis. Moreover, IQAC proposes to the management to send the faculty to engineering education conferences, workshops, seminars, certification programmes, etc.

The course files are designed based on Deming's Plan-Do-Check-Act Cycle to ensure continual improvements in the system for the sustainment of quality initiatives. Further, extreme care is taken to confirm COs and TLOs as per Bloom's Taxonomy through a well-

framed checklist. Moreover, the Cell ensures that all departments develop, verify, and share course plans with the stakeholders before the commencement of the semester. In addition, it

facilitates scientifically mapping the COs to POs with proper justification, identifying the right assessment tools and

Balancing the Course-PO matrix of the programme. Apart from this, it aids in determining the right strategy to enhance the attainment of POs through PAC, DAB, and IQAC meetings by documenting the action plans categorically and following them up structurally.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sjec.ac.in/iqac

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	B. Any 3 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

1. Safety and Security: The Institution considers 'Safety and Security as paramount to the system. Thus, it has invested all its available resources to safeguard its stakeholders

within the Campus. Some of the major initiatives are 24x7 CCTV surveillance across the Campus, including college corridors, classrooms, enough security guards, highly intensive illumination at all prominent places, full-time hostel wardens, etc. 2. Counselling: The counselling service at SJEC is a part of the academic activity. The Management has appointed a qualified Campus Counsellor. The College has adopted the following counselling mechanism: General Counselling: The College identifies a few staff members as mentors and a training programme is held during the semester vacation. Behavioural Counselling: The Campus Counsellor takes care of students with behavioural problems. 3. Common Room: Separate and well-maintained washrooms are provided on every floor of the buildings for boys and girls. Different common rooms are provided for boys and girls to meet their rest and personal requirements. In addition, separate common rooms are provided in the workshops/machine shops to cater to the needs of the students.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	https://sjec.ac.in/jagruthi-prevention-of-sexual-assault-committe

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

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

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

　　1. Solid waste management:

Solid waste is disposed of through a private agency. Further,

dustbins are kept in all prominent places to ensure cleanliness and hygiene. The housekeeping staff collects the waste from the bins every day. The workers properly segregate all these solid wastes, and external agencies dispose of them according to statutory regulations.

The dry waste (Leaves) from the Campus is sent to the vermicompost unit inside the Campus for composting. Compost is utilized in Campus and also sold to institutions in need.

The wet waste from the Hostels, Canteen, and Amenities Block are sent to the Biogas plant. The Biogas is then utilized in the Kitchen for cooking purposes.

1. Liquid waste management:

Liquid waste from different sources such as canteen, toilets, hostels, etc., are segregated and let out through a common drainage facility to a centralized sewage water treatment tank at the corner of the campus. The treated water is used for gardening and flushing. This helps to maintain and improve the groundwater level.

1. E-waste management:

Following policies are adopted for e-waste management: Reduce the utilization of e-materials: By providing high speed Wi-Fi throughout the College to help reduce the utilization of computers in College/Central facilities.

Reuse e-materials: By donating old workable electronic items to the needy. These can be reused after slight modifications to the original functioning equipment.

Recycle e-waste: If the above strategies are not feasible, then the e-waste is disposed of as per the regulations of the statutory bodies.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	**No File Uploaded**
Geotagged photographs of the facilities	**No File Uploaded**
Any other relevant information	<u>View File</u>

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

File Description	Documents
Geotagged photographs / videos of the facilities	<u>View File</u>
Any other relevant information	**No File Uploaded**

7.1.5 - Green campus initiatives include

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

File Description	Documents
Geotagged photos / videos of the facilities	<u>View File</u>
Various policy documents / decisions circulated for implementation	**No File Uploaded**
Any other relevant documents	<u>View File</u>

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

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

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing 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, socio-economic and other diversities (within a maximum of 200 words).

NSS and Youth Red Cross: This cell organizes and promotes government initiatives such as Swacch Bharath, Save Water, Abolish Plastics, Tree Plantation, AIDS Awareness campaigns/ programmes/ Rallies, Road Safety week etc. to adapt the graduate attributes such as Engineering and Society, Environment and Sustainability, and Lifelong learning. Moreover, it organizes blood donation camps every year and conducts charity programmes for the neighbourhood. Every department conducts ESR activities and students are encouraged to take up mini and capstone projects during their course to align their engineering knowledge along with society and mankind. Moreover, management arranges events of commemoration and observance of all-important days and occasions, Special technical programmes for the school children, Personality development training activities, Digital literacy campaigns, and Adult Education- Physical, Spiritual and Psychological Counselling for the students. Further, the cultural committee organizes events to pervade cultural and religious diversity.

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

7.1.9 - Sensitization of students and employees of the institution to constitutional

obligations: values, rights, duties and responsibilities of citizens:

The college conducts universal human values education classes for every newly joined student. In the class, we covered very important areas: Aspirations and Concerns, Peer pressure, Reverence for excellence, Gratitude and love, and the Foundation of Relationship- Trust. Other than this, eminent speakers will give talks on health and hygiene, psychological aspects, and adolescence. Also, faculties are encouraged to complete the Universal Human Values course offered by AICTE.

Some other measures are:

- Talks on Various life related topics by experts in the field.
- Appointment of student Counsellor for students.
- Sessions to the students, topic: How to write assignments
- Talk for faculty on Foundation Day on the topic Faculty-student's relationship
- Talk on Teachers Day for faculty on the topic – Role of teacher in students' studies

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

| 7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized | C. Any 2 of the above |

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

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

The College organizes several national, religious, and state-level festivals to commemorate the contribution of national leaders and to instil patriotism among the stakeholders. It organizes Republic Day, Independence Day, Teachers' Day, Karnataka Rajyothsava, Engineer's Day, Onam, Moharam, and Nativity festivals to ensure unity in diversity. It practices a pluralistic approach towards all religious functions and encourages the students and faculty to showcase the same. Death anniversaries of persons of national importance are marked by paying homage and recalling their contribution to the nation. Special prayers are arranged on all these occasions in the college chapel to honour the leaders by paying tributes to them.

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

7.2 - Best Practices

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

Best Practice 1 focuses on actively engaging students through the implementation of active learning activities in engineering education. The objective is to enhance technical knowledge, soft skills, and presentation abilities, preparing students for the dynamic corporate environment. The practice involves faculty organizing active learning sessions, individual tasks, and group projects, fostering a culture of experiential learning. The evidence of success includes improved problem-solving skills, teamwork, confidence, and critical thinking.

Best Practice 2 emphasizes the importance of industrial visits to bridge the gap between theoretical knowledge and practical industry applications. The objectives include familiarizing students with industry practices, introducing cutting-edge technologies, and providing exposure to the industrial environment. Challenges in implementation include identifying suitable industries, coordinating logistics, and obtaining permissions. Despite these challenges, industrial visits offer invaluable hands-on experience, enhance awareness of industry practices, and contribute to holistic education by combining theoretical and practical learning experiences. The benefits outweigh the challenges, making the investment in resources and efforts worthwhile.

File Description	Documents
Best practices in the Institutional website	https://sjec.ac.in/department/mechanical
Any other relevant information	https://sjec.ac.in/department/master-of-business-administration

7.3 - Institutional Distinctiveness

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

- Inculcating innovative pedagogy among faculty for OBE. More specifically, structured deployment of Bloom's Taxonomy in implementing the OBE.
- Every department has come up with the Teaching-Learning Process (TLP) documents to strengthen the OBE system.
- The research strategy covers all the major academic disciplines. Faculty and students are actively involved

> in research in key areas of Science, Technology, and Management. The research is clearly visible in terms of wide publications and various projects securing grants from external agencies.
> - A Teaching-Learning Centre (TLC) has been established to bring new pedagogies of engagement and assist the faculty members in the OBE deployment process.

File Description	Documents
Appropriate link in the institutional website	Nil
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- Deployment of Institution Development Plan (IDP) as per NEP 2020.
- Obtain NBA accreditation for the MCA program.
- Encourage Startups by identifying promising ideas through Tech Hackathons and provide state-of-the-art maker space and incubation facilities.
- Strengthening Industry-Institution interaction through Industrial training programs.
- Upgrade more than 40% of faculty qualifications to PhD level
- Spur community engagement through developmental projects in adopted villages.
- A plantation area to attract and nurture butterflies has been initiated and the work is currently ongoing.
- The institution plans to extend the capacity of the existing STP. We are also looking at implementing novel organic plantation-integrated STP plants.
- To strengthen research activities in the department