YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution

ALDEL EDUCATION TRUST'S ST. JOHN COLLEGE OF ENGINEERING AND MANAGEMENT

- Name of the Head of the institution

  Dr. G.V. Mulgund

- Designation

  Principal

- Does the institution function from its own campus?

  Yes

- Phone no./Alternate phone no.

  02525297279

- Mobile No:

  7875313985

- Registered e-mail

  principal@sjcem.edu.in

- Alternate e-mail

  office@sjcem.edu.in

- Address

  St. John Technical Education Complex, Village Vevoor, Manor road, Palghar (East), Dist. Palghar - 401404 Maharashtra, India

- City/Town

  Palghar

- State/UT

  Maharashtra

- Pin Code

  401404

2.Institutional status

- Affiliated / Constitution Colleges

  Affiliated College

- Type of Institution

  Co-education

- Location **Semi-Urban**

- Financial Status **Self-financing**

- Name of the Affiliating University **University of Mumbai**

- Name of the IQAC Coordinator **Dr. Kishor S. Rambhad**

- Phone No. **02525297279**

- Alternate phone No. **7875313985**

- Mobile **9970855014**

- IQAC e-mail address **kishorr@sjcem.edu.in**

- Alternate e-mail address **principal@sjcem.edu.in**

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

https://www.sjcem.edu.in/wp-content/uploads/2022/10/AQAR-ROPORT_2021-22-1.pdf

4.Whether Academic Calendar prepared during the year?

Yes

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

https://www.sjcem.edu.in/engdeg/wp-content/uploads/sites/2/2023/12/Academic-Calendar-for-AY-2022-23-Even-and-ODD-semester_0001.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.07**	**2017**	**30/10/2017**	**29/10/2022**
Cycle 2	**A+**	**3.29**	**2023**	**01/05/2023**	**30/04/2028**

6.Date of Establishment of IQAC **30/06/2017**

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	NA	NA	NA	NA

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

- Upload latest notification of formation of IQAC   View File

9.No. of IQAC meetings held during the year   **4**

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

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

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

- If yes, mention the amount

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

NAAC Accreditation with A+ Grade

MMS department is accredited with NBA

Formation of Campus Research Review Committee (CRRC)

Introduction of Best paper award for faculty

Introduction of Incentive schemes for faculty

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

Plan of Action	Achievements/Outcomes
Introduction of PG programme to ensure higher education of students within the Institute.	Introduced M.E. In Computer Engineering
Improvement in Research in 3 areas i. Quantity of Research (more Faculty and Students) ii. Quality of Research (minimum target of UGC - Cares) iii. Inter-Disciplinary Research (with Institutes on and off Campus)	Research paper in UGC Care and Scopus indexed journals are published
Signing at least 1 MoUs with Industry per Branch and 1 MoU with Reputed Institution per Branch	3 MOUs are signed
Increase in Workshops, Certificate Courses, at least 1 per Branch per Semester	Improvement in the workshop, certificate courses
Online Certification through NPTEL, ATAL - 10% of Students per branch	Improvement in online certificate courses
Improvement / Enhancement of 1 Lab per Branch	Established 3D Printing Lab

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

- Name of the statutory body

Name	Date of meeting(s)
College Development Committee	15/05/2023

14.Whether institutional data submitted to AISHE

Part A

Data of the Institution

1.Name of the Institution	ALDEL EDUCATION TRUST'S ST. JOHN COLLEGE OF ENGINEERING AND MANAGEMENT
• Name of the Head of the institution	Dr. G.V. Mulgund
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02525297279
• Mobile No:	7875313985
• Registered e-mail	principal@sjcem.edu.in
• Alternate e-mail	office@sjcem.edu.in
• Address	St. John Technical Education Complex, Village Vevoor, Manor road, Palghar (East), Dist. Palghar - 401404 Maharashtra, India
• City/Town	Palghar
• State/UT	Maharashtra
• Pin Code	401404
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• Affiliated / Constitution Colleges	Affiliated College
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• Location	Semi-Urban
• Financial Status	Self-financing

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• Phone No.	**02525297279**
• Alternate phone No.	**7875313985**
• Mobile	**9970855014**
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• if yes, whether it is uploaded in the Institutional website Web link:	https://www.sjcem.edu.in/engdeg/wp-content/uploads/sites/2/2023/12/Academic-Calendar-for-AY-2022-23-Even-and-ODD-semester_0001.pdf

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- Name of the statutory body

Name	Date of meeting(s)
College Development Committee	15/05/2023

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	06/01/2023

15.Multidisciplinary / interdisciplinary

In order to develop the all-round capacities of the students – the institute is preparing to include multidisciplinary subjects as per the National Educational Policy 2020. Institute is working on this regards in following ways.

1. Interdisciplinary Projects for final year
2. Running institutional electives (such as, Project Management, Finance Management, Environmental Management, Disaster Mitigation & Management, and Operation Research etc.)
3. Institute is also planning to start short-term and vocational courses to make the students towards self-employment.
4. Under the banner of STEP cell Institute is running certificate programmes, which tries to identify the program learning outcomes along with courses and unit learning outcomes that define the specific knowledge, skills, attitudes, and values that are to be acquired by the learner and would ensure that each program achieves its goal.

16.Academic bank of credits (ABC):

Regarding the implementation of the Academic Bank of Credits, the institution is waiting for the UoM guidelines. The pedagogical approach of the institution is student-centric. The faculties' pedagogical approach includes inquiry-based, reflective, collaborative, and integrative base TLP. Summative and Formative assessments and assignments are used to evaluate the Students' learning outcome.

17.Skill development:

With the vision of "Excellence in Serving to educate and Educating to Serve" the institute strives hard to impart and inculcate quality technical education along with positivity among the learners. STEP stands for Skill Training for Employability Program is a student-driven Cell and initiative for all the Programs. The purpose of STEP is to update and train students with the latest technical developments happening in the industry, through various activities. Align with the NEP2020 institute will enhance the skilling programs to overcome the current industry issues and create awareness about new technology and best problem-solving practices.

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

Though the medium of instruction as per guidelines is English, looking at government initiatives and demand by the stakeholder we also use local language (such as Hindi/Marathi) so that our students will not suffer in understanding and implementation. We also believe in the preservation and promotion of Indian languages as one of the targets of the College in the future

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

Outcome Based Education (OBE) is an important demonstration tool for student-centric instruction. Institute continues to focus on OBE system, which is measuring what the students are capable of doing and learning as outcomes. Efforts will be continued to inculcate in the students to interpret, analyse, evaluate and develop responsibility and effective citizenship as one of the attributes of the students. Institute continues to plan, refine and act on the enhancement of Graduates Attributes of the students. The Institute continues to emphasize to students on the pursuit of knowledge is a lifelong activity and to acquire a positive attitude and other qualities, which will lead students to a successful life.

20.Distance education/online education:

Continuously institute is motivating students to register for various online platforms such as NPTEL, Coursera, Swayam, UDEMY, MOOCS, and virtual labs, etc, which will keep, and update the students and get the certifications. Keeping in view the convenience of the student, institutional efforts continue to encourage and implement blended learning.

Extended Profile

1.Programme

1.1   **598**

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

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

2.Student

2.1   **1489**

Number of students during the year

File Description	Documents
Data Template	View File

2.2   **0**

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

File Description	Documents
Data Template	View File

2.3   **438**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1   **84**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2   **84**

Number of Sanctioned posts during the year

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**598**

File Description	Documents
Data Template	View File

2.Student

2.1 Number of students during the year	**1489**

File Description	Documents
Data Template	View File

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**0**

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	**438**

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	**84**

File Description	Documents
Data Template	View File

3.2 Number of Sanctioned posts during the year	**84**

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

4.Institution

4.1 Total number of Classrooms and Seminar halls	**35**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**709.29**
4.3 Total number of computers on campus for academic purposes	**602**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

- **Commencement of every semester academic calendar is prepared and the department follows it.**

- **Lecture plan is prepared along with learning outcomes for each lecture by faculty members. Additional lectures are conducted for students participating in extracurricular activities, co-curricular activities and slow learners.**

- **For effective implementation of the teaching-learning process different methods like lectures, NPTEL video lectures, seminars, group discussions, quizzes, industrial visits, laboratory visits and demonstrations are incorporated in the course delivery methods.**

- **Orientation/ Refresher Courses/ Workshops/ Seminars are organized by the University of Mumbai for faculty members so as to update their knowledge and to improve their teaching**

practices.

• Faculty uploads subject-wise notes, timetable, quizzes, test, question banks, assignments and study material for the students on MOODLE/Google Classroom.

•The institution has Management Information System (MIS) software which generates various reports that allow to enter of various data related to students as well as faculties. The reports like student's admission, students' attendance, student's feedback, examination marks, student profile, etc. Faculty-related reports like biometric attendance, faculty profile, and leave-related information of faculties. Student attendance and test data is made available to their parents through the portal.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	Nil

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

Institute follows the semester pattern for teaching learning process. Academic calendar is prepared at the start of semester. It indicates the tentative dates of continuous assessment, practical - oral examination, mid-term feedbacks, attendance progress reports, term end examination commencement dates, co-curricular, extracurricular and sports and cultural activities of the institute.

For each programme the continuous assessment is conducted as per programme guidelines of the University of Mumbai. Internal Assessment (IA) and Term Work (TW) are continuous assessments components of the programme.

Internal Assessment (IA) is conducted twice in a semester, first Internal Assessment (IA) is generally completed after 40 % of syllabus completion and second Internal Assessment (IA) is conducted after completion of 80 to 90 % syllabus. The performance in both assessment is averaged to allocate the

Internal Assessment scores.

The term work (TW) components for courses includes experiments, assignments, case study, mini-project, quiz, etc. as per requirement of course. These components are delivered / conducted periodically as per requirement and evaluated in continuous manner.

Mini-Project and Major projects are evaluated continuously by the guide/supervisor/panel of examiner.

File Description	Documents
Upload relevant supporting documents	[View File](#)
Link for Additional information	**Nil**

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	**C. Any 2 of the above**

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

1.2 - Academic Flexibility

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

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

9

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

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

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

11

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

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

623

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

623

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

1.3 - Curriculum Enrichment

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

In the curriculum of Engineering and Management following

crosscutting issues are covered.

Professional Ethics - To imbibe professional ethics for all graduates University of Mumbai has provided courses such as Business Communication and Ethics. This course is mandatory for all UG programmes of Engineering. Other programme involves the training of graduates for following certain IS Codes, safety norms and other standards as per the requirement. Institute offers the open electives such as cyber security and laws, project management.

Environment and Sustainability - As per the guideline of University Grant Commission (UGC), the course of Environment Science is made mandatory for under graduate programme. The course on environmental engineering is part of the curriculum of B.E. Civil Engineering. Institute is offering open elective on solid waste management. Institute conducts the extension activities associated with environment and sustainability.

Gender Sensitization - Institute conducts the activities of gender sensitization as per the guidelines of University of Mumbai.

Human Values - Institute has conducted various activities to impart human values to graduating students from this institute. Institute with the support of NSS unit organises blood donation drives, cloth donation, donation in case of natural calamities.

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

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

63

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

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

1160

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

1.4 - Feedback System

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

File Description	Documents
URL for stakeholder feedback report	[View File](#)
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	[View File](#)
Any additional information(Upload)	[View File](#)

1.4.2 - Feedback process of the Institution may be classified as follows	**A. Feedback collected, analyzed and action taken and feedback available on website**

File Description	Documents
Upload any additional information	[View File](#)
URL for feedback report	**Nil**

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

510

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

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

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

113

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

2.2 - Catering to Student Diversity

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

Each type of student has different learning attitudes and learning habits. A faculty must adopt a teaching methodology such that he/she may not lose the attention of the slow learners and turn off the advanced learners. The purpose of assessing the learning levels of the students and conducting of activities for them is • Identification of the slow learners and advanced learners in the class • To help them out for improvement in their academics.

During the Teaching & Learning process through the student mentoring process and results of internal assessments faculty classifies students as Advanced and Slow learners. To ensure that the identification of the Slow and Advanced Learners is carried out properly program assessment committee meeting is conducted.

Conduction of activities for Slow learners • Peer mentoring and individual attention

• Remedial lecture provisions are made in time table • Simplified and focused study material, University question papers solutions • Additional time to clarify doubts • Counselling – special hints and techniques

Conduction of activities for Advanced learners • Motivated to complete MOOC/NPTEL/GRE/GATE and take internships • Encouragement Participation in Online coding/Tech-fest/Seminars/Conferences events • Encouraged to participate in SIH/Megaleio/MegaHack events

• Motivated to publish papers

• Included in student council

• Advanced assignments or tasks are assigned to advanced

learners

File Description	Documents
Link for additional Information	Nil
Upload any additional information	View File

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

Number of Students	Number of Teachers
1489	84

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Outcome Based Education (OBE) is today's need in which it is expected that students have to apply their knowledge and skills to solve industrial and societal problems. Knowledge is gained through classroom teaching where ICT tools are predominantly used. Hands on Skills are developed though laboratory courses, industrial training, industrial visits, projects. Experiential Learning: Institute has promoted experiential learning in following modes.

? Projects

? Internships/field training.

? Industrial / Site Visits ? Use of Virtual Labs

? Workshops with hands on sessions

? Technical symposium, paper presentation, technical competitions etc.

? Mock interviews

? Teaching classroom and laboratories with interaction of

instruments, flowcharts, models and software

? Industry Experts talk on advanced Topics Participative Learning:

? Institute organizes the various workshops and technical events such as Science fest, Megaleio, Megahack, concrete festival, Srijan, hackathon, technical contest, project competition, etc.

? Students are participating in events like SUPRA, BAJA, Avishkar, IIT Techfest, etc.

? Students are encouraged to solve technical, scientific, legal, social and environmental issues to provide technological and managerial solutions. Problem Solving Methodologies:

? Open book tests, assignments and take-home tests

? Real-time projects

? Interdisciplinary project activities

? Technical contests

? Model development

? Design Projects

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

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

Advent of digital technology, Information and Communication Technology tools are widely used for online teaching and learning process. To cater to the online teaching learning Institute has provided and enhanced the ICT infrastructure such as Smart board classrooms, Digital Writing Pads visual aids such as LCD projector in each classroom with interconnectivity. For online delivery of classes, Institute has procured the google education suite with facilities such as, google mail to all

participants, google classroom, google meet, google forms for data collection and examination, etc. Maximum number of students participating in event / workshop, institute have video conferencing platform. All faculty members are using the various ICT tools for delivery of their content online / offline. All faculty members are using live streaming of the content through google meet to intended participants.

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

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

2.3.3.1 - Number of mentors

79

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

2.4 - Teacher Profile and Quality

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

84

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

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

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

15

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

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

2.4.3.1 - Total experience of full-time teachers

392

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

2.5 - Evaluation Process and Reforms

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

Scheme of internal as well as external assessment is defined by University of Mumbai which includes internal as well as external assessment. As per the University norms, 20% marks are given to Internal Assessment Test (IAT) whereas 80% marks are given for End semester Examination (ESE) for UG program of Engineering whereas the distribution is 40% and 60% respectively for MMS.

The distribution of syllabus for each evaluation tool is done and informed to students at the start of the course. The frequencies of these examinations, tentative schedule, and display of results of these tools are also decided at the start of semester and informed to students through academic calendar.

Continuous evaluation practice is followed by well-defined rubrics for evaluation of internal assessment. The Internal Continuous Assessment (ICA) marks are given based on IATs, Lab Tests, Assignments, Lab Manuals, Oral Examinations. The tools used for ICA vary based on the type of subject. The ICA marks of project-based subjects like Mini-Project, Vocational Training, Final Year Project, Seminar, etc. are given based on the rubrics with respect to respective courses.

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

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

The Internal Assessment Test (IAT) schedule is declared to students one week before the test. Question paper for IAT is of 20 marks as per University pattern. The course teacher prepares a question paper based on syllabus coverage in class and course outcome with revised bloom's taxonomy levels. The course teachers evaluate the answer sheets within a week and show them to the students. They discuss the answers and resolve any grievances of students face to face. Marks are made available and conveyed to the both students and parents through MIS portal.

The component term work includes assignments, practical write up, group and individual activity, etc. well-defined rubrics are available for ensuring transparency in marking scheme and to avoid any grievances students might raise. The detailed rubrics

practical and assignments such as weightage for attendance, punctuality, attentiveness, calculations, neat drawings, oral answers, execution, etc. is denoted to them in writing, and their grievances are addressed based on the rubrics. Each category is written individually so that students can see where they are lacking. For projects, total marks are divided into categories like literature review, problem definition, objectives, presentation, modeling, references, conclusion, report, etc. with appropriate weightage for each category.

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

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Course outcomes are prescribed in the curriculum by University of Mumbai.

Program outcomes and course outcomes of the all Courses are stated and communicated to the students.

The process of CO framing for all courses in all programs is Discussed below:

For every course 5 to 6 intended learning outcomes are stated as Course Outcomes (cos).

Unit wise course contents from the course syllabus forms the basis For framing CO statements.

CO statements address appropriate Blooms Taxonomy levels by Considering proper abilities and skills to be acquired by the Learners.

The COs are mapped with POs and PSOs having correlation levels of Either 1- Slight (Low), 2- Moderate (Medium) and 3- Substantial (High).

The process of mapping of CO's with PO's and PSO's give CO-PO and CO- PSO matrices respectively.

Programme outcomes:

The statements of the pos are adapted from the NBA SAR-Annexure I.

Programme specific outcomes:

Program Specific Outcome (PSO) statements for all programs, were Drafted based on guidelines from SWOT analysis by DWC (Department Working Committee) and approved by DAB (Department Advisory Board). The DAB consists of the representatives from all the stakeholders, Such as students, parents, alumni, industries, and academia. Psos Are disseminated to the stake holders

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	**Nil**
Upload COs for all courses (exemplars from Glossary)	View File

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

Course Outcome Attainment

The course outcome attainment is broadly done in two criteria namely Internal and External Assessment. The weightage for Internal Assessment is 80% and External Assessment is 20%.

Internal Assessment (60%): Internal Assessment are measured from direct evaluation and indirect evaluation which has a weightage of 80% and 20% respectively.

Direct Evaluation (80%) display the student's knowledge and skills from their performance. The direct evaluations done with minimum two tools which are selected from Continuous Internal Evaluations (CIE) such as class/assignment test, internal assessment tests, assignments, seminars, laboratory assignments/practicals, mini projects with 80% weightage and preliminary examination with 20% weightage.

Indirect Evaluations (20%) includes course exit survey which is

taken upon completion of the course.

External Assessment (40%): The external evaluations include End Semester Examination (ESE) conducted by the University.

Program Outcome (PO) and Program Specific Outcome (PSO) Attainment Attainment of Program Outcomes and Program Specific Outcomes are mainly done by using Direct and Indirect Assessment methods. The weightage for Direct and Indirect Assessment are 80% and 20% respectively

Direct Assessment is derived from CO attainment from all courses based on CO-PO mapping.

Indirect Assessment is carried out by using various surveys viz course exit survey, program exit survey, Co-curricular and Extra-curricular survey

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

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

416

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

https://www.sjcem.edu.in/wp-content/uploads/2024/01/Cr_2.7_22-23.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0.4295

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

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

01

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution

during the year

20

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

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

27

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

43

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

3.3 - Extension Activities

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

In 2023, impactful events occurred nationwide. The Rajiv Gandhi Blood Bank led a medical awareness drive with 100 donors. Palghar Police organized a Republic Day Blood Camp, drawing 48 participants. The Ministry of Youth Affairs and Sports hosted the Fit India Walkathon during the 2022 Fit India Freedom Run, promoting a healthy lifestyle with 15 participants..

Child Help Foundation spearheaded the Tata Mumbai Marathon in 2023, spotlighting various charitable causes with 40 participants. An AIDS Awareness Talk marked AIDS Week in 2022, educating the community with 66 attendees. Mumbai University celebrated Gandhi Jayanti with a Bhajan Sandhya Event, promoting cultural activities with 8 participants.

Fire Prevention Co. held a Fire Safety Session in 2023, promoting awareness with 54 participants. The Anti-Corruption Bureau organized an Informative Talk during Vigilance Awareness Week in 2022, engaging 318 participants in discussions on corruption prevention.

In 2022, Culture Ministry's Rashtriya Ekta Din saw 120 individuals pledging unity. In 2023, Amrut Mahotsav 75 featured an Azad Hind Chi Gatha Drama Presentation with 19 participants. Additionally, Palghar Nagar Parishad organized a Voter Awareness Session on National Voters Day in 2022, educating 66 individuals about the democratic process.

File Description	Documents
Paste link for additional information	https://www.sjcem.edu.in/wp-content/uploads/2024/01/3.3.3.pdf
Upload any additional information	View File

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

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

17

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

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

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

11

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

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

854

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

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

183

File Description	Documents
e-copies of linkage related Document	*View File*
Details of linkages with institutions/industries for internship (Data Template)	*View File*
Any additional information	*View File*

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

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

14

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

St. John College of Engineering and Management (SJCEM) covers a total built up area of 18072.01 Sq.m. The institute has adequate facilities and has augmented its infrastructure to cater to the needs of the high demand for the courses. SJCEM has 2 buildings with A and B wings for all the departments. There is a separate unit for canteen and conducting mechanical workshop.

The building Accommodates:

A wing consists of IT, Computer, EXTC Departments, Seminar Hall, while the B wing consist of Civil, Mechanical, and MMS with ICT enabled classroom and Laboratories. It is desired that adequate facilities namely Smart class for effective online lecture delivery, Wi-Fi enabled classroom, Projectors, Laptops, Models, charts, E-contents, administrative units, media, printer and xerox facility, various laboratories, library, storage unit, etc.

- **Projectors – 36**
- **Smart classrooms - 7 no.**
- **Models and charts - in all laboratories**
- **Laptops – 26**
- **LAN connections for all classrooms.**
- **Library facilities.**

Library Facilities:

The Engineering library is located at Ground Floor in a wing. It covers a carpet area of 400.35 sq.m. While the MMS library is located at B wing First Floor. It covers area of 89.20 sq.m. The institute consist of E-library which covers area of 70.48 sq.m. for MMS

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

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

The Institute is committed to a balanced experience of academics, cultural and sports activities for the overall development of the students under the specialized mentor. The college has developed a green campus with area of 6337.4 sq. m. for outdoor and approximately 300 sq. m. area is available for indoor sports. Most of the students participate in sports and cultural activities during the Annual Cultural and Sports also competitions at regional/state/national/ international level.

Cultural:

The institutes encourage students to participate in co-curricular and extracurricular activities. The institute has well-equipped Auditorium admeasuring around 398.58 sqm. The institute organizes various co-curricular and extra-curricular vents

Sports Activities:

The Institute encourages students to participate in sports activities. The ground is used for intra collegiate and inter collegiate sports activities. The college students have actively participated in Football and cricket tournaments organized by the University of Mumbai.

Outdoor Games:

Institute have two playgrounds of 2025.4 sq.m. and 4312 sq.m. area each respectively, are used for playing Cricket, Football (50mx35m, 65mx40m).Volleyball (15m x 9m, 02 grounds), Throw ball (18.3mx12.2m), Basketball (1 court)

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

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

35

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

35

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

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

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

429.43

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

4.2 - Library as a Learning Resource

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

The library has a book collection of 24,972 books (as of 31.03.23), and for proper organization of the library material, the library has use software, 'KOHA' Library Software which is a cloud hosting on Microsoft azure. Software is open-source software and upgraded from time to time. One terminal is reserved for students to search information of availability and issue of Books. Web-based Library Software with Web OPAC. (Online Public Access Catalogue- OPAC) and Single Window Where Complete Information about the Users Along with Circulation Status, Fine Status, Contact Details, Reading & circulation History, etc. Varies types of reports can be generated with the use of the abovementioned software which is useful for various committees and inspections from time to time. Book database is created along with the user's database. The issue return process is fully automated and manual cards are kept as supporting documents for students and faculty. Bar-coding used: Yes, Book issue and return are carried out with the help of a barcode system. Each book is bar-coded.

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

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources | **A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

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

19.55

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

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

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

126.64

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

4.3 - IT Infrastructure

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

Institution frequently updates its IT facilities including Wi-Fi

Institute has a campus-wide networking structured cabling and particularly with Wi-Fi facility. IT Facilities which include a total of 32 routers for various departments which includes Computer engineering, Information technology, Civil engineering, Mechanical engineering, Electronics & telecommunication engineering, Library & MMS and wi-fi facility for students and staff across the building.

A leased line connectivity of 280 Mbps in total, which is distributed as 150 Mbps from WOW, 40 Mbps from BSNL, 40 Mbps from SIFY and 50Mbps from SS Enterprises is procured. The maintenance and installation of all supporting devices is done by in-house IT Staff.

The passwords of all devices are known to all authentic users in the campus. The devices and networks are well protected by an open-source firewall.

1. Network Security: All the network are completely switched, efficient network secured by firewall integrated in router.

2. Software Asset Management: Software assets categorized in two types, proprietary system software is purchased at Institute level and further distributed to different units. Application software are purchased for individual departments as per their curriculum and research requirement which include ANSYS, Solidworks, ETAB, MATLAB, Bently.

3. Open-Source Resources: To reduce dependence, we promote open-source software, tools and applications. Some of the open-source software tools used are JDK, Star UML, Eclipse, G++, gcc, SSH, pg-sql, Scilab, G-Suite.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sjcem.edu.in/wp-content/uploads/2024/01/4.3.1.pdf

4.3.2 - Number of Computers

602

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

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

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

4.4 - Maintenance of Campus Infrastructure

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

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

378.95

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

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

The institute has standardized established systems for maintaining and utilization of the physical, academic and support facilities by concerned sections and committees.

Civil infrastructure and Electrical:

The maintenance of infrastructure and Electrical generator is regularly done by AMC and with the help of skilled employees appointed by the institute.

Water supply:

The storage and distribution of drinking water is maintained and recorded fortnightly by team.

Garden, landscape and Housekeeping:

'Garden In-charge' and housekeeping is outsourced by awarding annual contract including the sanitary materials and care of cleaning of the utilities.

Lab Equipment and Machineries:

The laboratory equipment, instruments, kits and machinery are mainitiated by the respective Laboratory In-charge and Technical Assistant (TA).

Computer and peripherals and Website:

System Administrative Department (SAD) is established which is supported by System Administrator and TA. The routine, computers and peripherals, CCTVs and EPABX system is covered under the

AMC.

Library:

The book binding and other related work is outsourced.

Safety and security:

The fire extinguishers are refilled timely and maintenance card is introduced to keep the track.

Vehicles and transportation:

A fleet of vehicles are looked after by the Trust Office. Transport in charge and his team take care of maintenance and repair.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

877

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

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

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

0

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

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

File Description	Documents
Link to institutional website	https://www.sjcem.edu.in/wp-content/uploads/2023/12/Updated-5.1.3-A.Y-2022-23.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

586

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

248

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

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

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

112

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

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

5.2.2.1 - Number of outgoing student progression to higher education

14

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

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

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

13

File Description	Documents
Upload supporting data for the same	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/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

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

8

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

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

St. John Technical Campus has established various committees for A.Y 2022-23 to facilitate student engagement and address different aspects of campus life.

These include:

1.Students Grievance Cell:

Number of students members- 9

2.Women's Development Cell:

Number of students members- 5

3.Student Council Committee:

Number of students members- 11

4.Committee of IQAC:

Number of students members-

5.Information Technology Students Association (ITSA):

Number of students members- 37

6.Association of Students Skill for Electronics & Telecommunication (ASSET):

Number of students members- 16

7.Sophisticated and Perpetual Codes Association (SPCA):

Number of students members- 30

8.MESA:

Number of students members- 27

A team of approximately 27 students

9.ISTE Core Committee:

Number of students members- 37

File Description	Documents
Paste link for additional information	https://www.sjcem.edu.in/wp-content/uploads/2024/01/5.3.222-23.pdf
Upload any additional information	View File

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

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

22

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

5.4 - Alumni Engagement

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

Alumni Engagement

We have a registered Alumni Association. The name of the registered "Alumni Association" is "St. John Campus Palghar Alumni Association." The Association was registered on 5th February 2021. The main objective of alumni association is to foster a strong connection between the Institute and the alumni & to provide the placement assistance and overall guidance to the current and past students. We have a dedicated Alumni portal on the college's website.

Engineering: https://www.sjcem.edu.in/engdeg/alumni/

MMS: https://www.sjcem.edu.in/mba-mms/alumni/

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	<u>View File</u>

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

File Description	Documents
Upload any additional information	<u>View File</u>

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision of the Institute:

Excellence in Engineering Education & Creating Next-Gen Leaders / Managers in the Service of Society

Mission of the Institute:

1. To impart quality engineering education for holistic

development

2. To provide conducive environment for joyful learning, innovation and research

3. To promote innovative technology enabled teaching and learning process

4. To nurture socially responsible engineers, entrepreneurs and leaders

5. To enhance employability skills to meet the changing industrial trends

The governance is working efficiently to achieve the institute's vision and missions

Nature of Governance

The top management including Board of Trustees, Governing Council, College Development Committee, Academic Advisory Board & Department Advisory Board.

Top management directs Principal focusing on vision and mission of the institution.

The principal consistently follows top management policies to achieve the vision with the support of staff.

Principal, IQAC coordinator, Registrar and Head of Departments come together to form different committees to provide "decentralized administration" to achieve institution's vision and mission

Formulation of action plans (in line with vision and missions) for all operations and incorporation of the same into the institutional strategic plan:

File Description	Documents
Paste link for additional information	https://www.sjcem.edu.in/wp-content/uploads/2024/01/Criteria-6.1.1.pdf
Upload any additional information	View File

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

The Institute practices decentralization and participativemanagement culture. The Principal, HODs, and staff members are involved in defining policies, framing guidelines andrules/regulations pertaining to various activities of theinstitute. All the departments have the authority to takedecisions on academic matters such as timetable, subjectallocation, Industrial visit, guest lectures from alumni,Internships, conducting workshops, etc. The HODs plan and executethe academic activities of their programs and assign specificresponsibilities to individuals or committees asrequired.

Decentralization: Head of the department and committee coordinators plan theiracademic and program specific technical and extension activities separately.Every program head with their professional chapter / studentchapter are free to organize the technical events needed forthe programs.

Participative Management:

Institutes promotes culture of participative management for whichvarious committees are setup such as GC, AAC, CDC, DAB, IQAC, PAC,student council etc. to execute and for smooth functioning ofactivities.

File Description	Documents
Paste link for additional information	https://www.sjcem.edu.in/wp-content/uploads/2024/01/6.1.2.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

In the pursuit of strategic goals for the 2022-23 academic year, the institution has achieved noteworthy progress. Industry involvement in curriculum development has seen a 50% realization against the planned 60%, with expert talks and workshops meeting the target of three activities per semester. Incorporating industry-relevant case studies and student internships, however, has reached 20% and 40% against the planned 30% and 60%,

respectively.

Technology transformation efforts have excelled, with the establishment of MOUs surpassing the target of three per department, achieving 100%. The Research and Development domain is witnessing ongoing establishment of Centers of Excellence, while publications in quality journals have reached 100%.

Accreditation endeavors have resulted in an A+ grade from NAAC, NBA accreditation for the MMS Department for three years, and ongoing preparations for autonomy. Progress is visible in NABL extension for the Mechanical department. Capacity building initiatives, such as introducing a new B.E. degree and plans for an Entrepreneurship Development Cell, are underway. Training and placement goals have been surpassed, achieving 100% on-campus placement and training for enrolled students. In summary, the institution is making significant strides towards realizing its strategic objectives for the academic year 2022-23.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.sjcem.edu.in/wp-content/uploads/2024/01/6.2.1.pdf
Upload any additional information	View File

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

The organization has a well-structured administrative setup by GCwhich is the highest decision-making body followed by CDC, AAC,DAB etc.

The administrative setup of the institute as shown below: Service rules, Procedures, Recruitment and Promotional Policies: The Institute has a set of well-established rules, policies andregulations within the framework of, AICTE, State Govt. and theaffiliating university, which are approved by the GoverningCouncil of, the Institute. The rules and regulations of theinstitute were first published on 10th March 2012 and are, revisedperiodically. The following documents are published and are madeavailable in the institute, library and in institute website tocreate awareness among the employees and students.

File Description	Documents
Paste link for additional information	https://www.sjcem.edu.in/wp-content/uploads/2024/01/6.2.2-F-Service-Rule-Book.pdf
Link to Organogram of the Institution webpage	https://www.sjcem.edu.in/wp-content/uploads/2024/01/6.2.2-F-Service-Rule-Book.pdf
Upload any additional information	View File

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

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

Institute is following the AICTE / UGC / DTE Maharashtra /University of Mumbai guidelines for the appointment of teaching and non-teaching staff. Their salary is paid as per AICTEguidelines. The welfare measures incorporated by the institute areas follows - Teaching staff: Provident Fund, Group Gratuity scheme linked withinsurance, group insurance, support for higher education &skilling, Subsidized Canteen Facility, and Subsidized LocalTransport facility.Non - Teaching staff: Provident Fund, Group Gratuity scheme linkedwith insurance, Subsidized Canteen Facility, Subsidized LocalTransport facility, and Safety Uniform and other accessories. Recently performance based appraisal system (PBAS) is added.

File Description	Documents
Paste link for additional information	[https://www.sjce m.edu.in/wp-content/uploads/202 4/01/criteria-6-3- 1.pdf](https://www.sjcem.edu.in/wp-content/uploads/2024/01/criteria-6-3-1.pdf)
Upload any additional information	[View File](#)

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

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

2

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

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

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

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

43

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

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

Management believes in the participation of a faculty member inevery area of academic, curricular ad co-curricular activity ofthe institute. The faculty appraisal system defines several

areasof performance from classroom teaching toadministrativeresponsibilities.Faculty (Teaching staff) appraisal consists of the followingaspect (Numbers in the bracket indicates the maximum scoreallocated to evaluation criteria)Teaching Engagement (05),Result analysis (30),Self-discipline (05),Creative and Analytical Thinking (05),Use of ICT and Modern Tools (05),Motivation Initiatives (05), Respect and Care for students and parents (05),Student and HoD feedback (05),Teamwork and team effectiveness (05), Life ling learning (05) andThe faculty appraisal report consists of the teaching-learningengagement, result analysis, Student feedback, Faculty Self-Appraisal, SMART Goal, HOD and Principal feedback.

Non-Teaching Staff Appraisal: The methodology followed for nonteaching staff is as follows 1. Staff will fill the self-information and functional report. 2. Supervisor / Section Head will monitor the progress and review the progress of staff for assigned work. 3. Work diary and engagement schedules of staff are verified by Supervisor / Section Head / Administrative Managers and Principal.

In A.Y. 2022-23 a Performance Based Appraisal System (PBAS) is added in the institute.

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

6.4 - Financial Management and Resource Mobilization

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

The institution conducts Internal and External Financial Auditsregularly:

Internal Audit: The internal Audit Team audits the institute's accounts at regularinterval. The Internal Audit Team checks fee receipts and paymentswith vouchers and necessary supporting documents. The Audit Teamalso ensures that all payment are duly authorized. After theAudit, the report is sent to the management

if only there is anyadverse observation same is being submitted to management.

External Audit: The Institution has appointed a qualified practicing CharteredAccountant firm M/s. A. Shastri & Co. as External Auditors whoAudits the accounts of the Institute. The team of ExternalAuditors visits the college every month and verifies all the Receipts and Payments of the previous month along with vouchersand also verifies statutory compliances. Theobservations made byits team initially attended by the Accounts Team and discussed inthe meeting of Trustees with Auditors on quarterly basis. TheExternal Auditors conducts Statutory Audit at the end of thefinancial year. There are no audit related adverse remarks in thelast five years.

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

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

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

1.45

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

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

Mobilization of Funds: The Institute is Unaided and dependentsolely on student's fee collection. Fee to be charged to the students as approved by Fee Regulating Authority. Trust is alsoenjoying OD limit from Bank to meet the working capital

requirements by mortgaging the personal assets of the Trustees. Capital expenditure is met by availing long term loans from theBank ranging between 7 to 10 years. Few departments are gettingsmall amount of Consultancy charges which is also spent to meetthe revenue expenses.Optimal Utilization of Resources: The effective and efficient useof available financial resources is made through budgetaryallocations. Budget is prepared and placed before the GoverningCouncil for its approval.

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

6.5 - Internal Quality Assurance System

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

The IQAC has made significant contributions for framing and implementation of the quality assurance strategies and processes. The IQAC and its constituent cell undertakes various quality assurance initiatives.

IQAC conducts academic audit covering all the important aspects of teaching-learning process. A separate audit to assess quality of course file contents of individual faculty. Continuous improvement is achieved through periodic audits and satisfying statutory requirements. The recommendations and guidelines provided by the GC, AAC and CDC are implemented effectively in coordination with the IQAC. The quality assurance strategies and processes incorporated by IQAC and it's constituent cell are briefly tabulated here.

Apart from the above statements IQAC is taking care of the following points:

- Preparing the programmes for assessment and accreditation by NBA

- Participating in all India survey of higher education (AISHE)

- Participation in national institutional ranking framework (NIRF)

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

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

IQAC is playing an apex role in every aspect of academic and accreditation.

1. Enhancement in the usage of innovative pedagogy techniques: The IQAC cell encourages faculty to use appropriate innovative pedagogies such as LMS, online quizzes, practical videos, handson practices, learning through fun games, etc.

2. Enhancement in the usage of ICT tools: During the last five years ICT enabled facilities are strengthened with total 33 numbers of classrooms and 01 Auditorium is equipped with ICT tools.

3. Implementation of Outcome-Based Education (OBE): IQAC monitors and undertakes periodic reviews of program outcomes, course outcomes, and their attainments.

4. Strengthening of the ERP System: IQAC was instrumental in introducing the MCQ exam module in the ERP system. Improvements are made in the institute library module; the research module and store module have been newly added to the ERP system.

5. Continual Improvement: The Institute always believes in continual improvement and strives to get a quality assessment by various agencies like NAAC and NBA.

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

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

File Description	Documents
Paste web link of Annual reports of Institution	https://www.sjcem.edu.in/wp-content/uploads/2024/02/6.5.3-all-in-one.pdf
Upload e-copies of the accreditations and certifications	[View File](#)
Upload any additional information	[View File](#)
Upload details of Quality assurance initiatives of the institution (Data Template)	[View File](#)

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

- **Annual gender sensitization action plan**

The Women Development Cell (WDC) on a college campus empowers female students through guidance, counseling, workshops, seminars, and awareness campaigns on gender equality, women's

rights, health, and safety.

- Specific facilities provided for women in terms of:

1. Safety and Security: The campus is being watched via CCTV. Women security guards are among the security professionals stationed at the key location. In case of an emergency, there is also a female counsellor and nurse on campus. Indeed, a different anti-ragging unit or cell is keeping an eye out for any problems.

2) Counselling: The Institute has a lady counselor for counseling students, a mentor-mentee program in which a faculty member is assigned a group of 20-30 students, and special sessions for female students with female motivational speakers.

3) Common Rooms: The institute offers common rooms for boys and girls, including a unique ladies' common room for girls, equipped with two beds, a first aid kit, a dressing table, and other amenities.

4) Any other relevant information/initiatives by institutes: The institute has Institute/departmental committees for faculties and students, including the WDC, ICC, student council, and association committees, and celebrates Women's Day with inspirational speeches.

File Description	Documents
Annual gender sensitization action plan	https://www.sjcem.edu.in/ wp-content/uploads/2023/ 12/Criteria-7.1.1..pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.sjcem.edu.in/ wp-content/uploads/2023/ 12/Criteria-7.1.1.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED	B. Any 3 of the above

bulbs/ power efficient equipment

File Description	Documents
Geo tagged Photographs	[View File](#)
Any other relevant information	[View File](#)

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

The facilities in the Institution for the management of the following types of degradable and non-degradable waste include:

1. Solid waste management: Waste like plastic, papers, etc. are collected and sold out to scrap dealers from time to time. The examination-related paper waste is shredded and disposed of. Daily organic and inorganic waste is collected and disposed of. Metal scrap is sold out to scrap dealers. The old jobs are reworked and reused for student practices.

2. Liquid waste management /Waste Recycling System: All wastewater lines from toilets, bathrooms, kitchens, etc. are connected to the septic tank. Waste water generated from Campus which includes sewage from the various buildings.

3. E-waste management: The major E-waste includes desktop computers; UPS's, laptops, LCD and TFT monitors, and stabilizers are the most widely generated and stored properly. Reuse of components in mini projects/major projects of students. All the E-waste generated in the institute is disposed of under the guidelines for environmentally sound management of E-waste by the Central Pollution Control Board and Maharashtra Pollution Control Board by an external service provider (ESP) namely Envirocare Recycling Private Limited. Reg.Office: D 504, Firdous Park, 80, S. V. Road, Jogeshwari(West), Mumbai - 400102.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	**Nil**
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
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

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

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

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

7.1.6.1 - The institutional environment and

A. Any 4 or all of the above

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

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

`B. Any 3 of the above`

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

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e.,

tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institute promotes tolerance and harmony towards cultural and communal diversity by allowing staff and students from all cultures and communities across the country. Cultural programs are held on Independence Day, Republic Day, Annual Day and Prasang with a different theme each year. The institute has 66% of students belonging to the open community, 19% in OBC, 1.3% in NT(D), 3.1% in SBC, 4.1% in SC, 2.06% in ST, and 1.3% in NT community. SC/ST committees organise meetings to ensure harmony among students. The institute practises tolerance and harmony towards regional and linguistic diversity, allowing staff and students to be inducted from all mother languages and regions across the country. The campus has 0.40% English, 19.81% Hindi, 47.83% Marathi, 0.9% Marwadi, 0.60% Tamil, 0.40% Tulu, 1.13% Malayalam, 1% Konkani, and 4.13% Gujarati speaking people. To accommodate socio-economic diversities, the institute implements government schemes: Tuition Fee Waiver Scheme, EBC and SEBC scholarships, Panjabrao Deshmukh Scheme for accommodation, and AICTE Pragati Scholarship. A Meritorious Scholarship is introduced for students with more than 9.5 SGPA. Students from low income families are allowed to pay fees in instalments.

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

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

Our institute, NSS unit organised various events and activities to sensitise students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens. The Thanksgiving Day - Clothes collection Drive involved collecting and donations for tribal and adivasi children in the adopted area. The Bhajan Sandhya – Gandhi Jayanti Event involved 13 students and a Programme Officer attending the event. On Rashtriya Ekta Diwas, the NSS unit successfully conducted three events: Run for Unity, Rashtriya Ekta National Unity Pledge, and Online Awareness Activity. Vigilance Awareness Week emphasised the importance of

working together with the government, citizens, and private sector to eradicate corruption. The NSS unit also organised an online electoral quiz on various aspects of electoral practices, such as age of voting and registration. The Blood Donation Camp was organised at the college premises through Rajiv Gandhi Blood Bank, with 350 students participating enthusiastically. The Shiv Jayanti Celebration featured a homage to Shivaji Chatrapati Maharaj in his portrait. The Blood Donation Camp was attended by NSS volunteers who assisted in promotion, publicity, donor management, issuing certificates, arranging snacks, and some voluntarily donating blood. The Marathi drama "Azad Hind Chi Gatha" depicted various national and freedom fighter characters.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to 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 programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	**A. All of the above**

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

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

The institute regularly celebrates various commemorative days, including Independence Day, Republic Day, Teachers Day, Engineers Day, Women's Day, and Unity Day. Independence and Republic Day are celebrated with enthusiasm and patriotism. Teachers Day was organised to shower love, admiration, and respect to teachers. Engineers Day nurtured the creative side of students by giving them an opportunity to make posters. Women's day is celebrated to empower and motivate women, by the skit which gave a message to be more careful and thoughtful towards fellow women and also inspired all to bring about a change in our society. In A.Y. 2022-23, the institute held various events such as Science Fest, Megaleio, Megahack, Prasang, workshops/Seminar, and Graduation Day. These events helped students understand project management principles, showcased technical skills, and improved interpersonal and communication skills. Explore EBSCO e-resources for learning and research, and discuss Salesforce ERP tools. They also held a seminar on opportunities and challenges for next-generation entrepreneurs. The organises Graduation Day for 2021-22 Batch, The institute's commitment to these events continues to inspire students and staff. Additionally, the institute celebrated all the festivals like Garba, Diwali, and Christmas, promoting social skills and celebrating the spirit of the holiday season.

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

7.2 - Best Practices

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

Best Practices of the Institute are as follows:

Best Practice 1: Management Information System (MIS)

Best Practice 2: Skilling through Hackathon and Megaleio

Details of the best practices is attached herewith

File Description	Documents
Best practices in the Institutional web site	[View File]()
Any other relevant information	[View File]()

7.3 - Institutional Distinctiveness

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

The Vision of the institute is Excellence in Engineering Education & Creating Next-Gen Leaders / Managers in the Service of Society.

The learners of the institute are given outcome-based education in such a way that right from the beginning the students are exposed to a meticulous & rigorous implementation of finely planned activities in every semester. Opportunities are created to enable the students in building research, innovation, and analytical, social & ethical skill & also in lifelong learning.

SJCEM focus in building learner for national & global achievers through curricular and extra-curricular activities.

For the fulfilment of the institute vision following are the activity where institute is focussing continuously and consistently

1. **Infrastructure**

2. **Hackathon**

3. **STEP**

4. **Indian institute of remote sensing**

5. **Standard Club**

6. **Excellence in Academics**

7. **Entrepreneurial Development Cell**

8. Ethical and Human value Development

9. Efforts for developing promising technical graduates

10. Activities for inculcating Society and Value Based approach

11. Utilization of ICT tools/paperless working culture

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

7.3.2 - Plan of action for the next academic year

1. Increase in intake of AIML

2. To Start ME in Computer Engineering

3. To submit NBA Compliance of Mechanical and Civil Engineering

4. To Apply for Autonomy

5. To conduct Megahack

6. To conduct Megaleio

7. To conduct Laghuswapna

8. MOUs with foreign and Indian universities

9. To increase industry-institute collaboration