



YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	Shivajirao S. Jondhale College of Engineering
• Name of the Head of the institution	Dr. Pramod Ramdas Rodge
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02512872560
• Mobile No:	9594962007
• Registered e-mail	principalssjcoe@gmail.com
• Alternate e-mail	pramodrrodge@gmail.com
• Address	Behind Venkatesh Petrl Pump, Kalyan Shil Road, Sonarpada, Dombivli (E)
• City/Town	Thane
• State/UT	Maharashtra
• Pin Code	421204
2.Institutional status	
• Affiliated / Constitution Colleges	Affiliated College
• Type of Institution	Co-education
• Location	Urban

• Financial Status	Self-financing				
• Name of the Affiliating University	University of Mumbai, Mumbai				
• Name of the IQAC Coordinator	Smita Lonkar				
• Phone No.	02512872560				
• Alternate phone No.	9869062125				
• Mobile	9869062125				
• IQAC e-mail address	smitalonkar@gmail.com				
• Alternate e-mail address	lonkarsa@gmail.com				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://shivajiraojondhalecoe.org.in/Documents/aqar_2122.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/1.1.1.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B+	2.60	2019	09/09/2019	08/09/2024
6.Date of Establishment of IQAC			15/07/2017		
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	
NA	NA	NA	NA	00	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		

9.No. of IQAC meetings held during the year	2
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	View File
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11.Significant contributions made by IQAC during the current year (maximum five bullets)	
<p>IQAC has conducted the internal Academic audit. Conducted courses to enhance employability of students. Encouragement of research activities for staff and students. Conducted variety of co-curricular activities for holistic development of students. Strengthening student focused skills development activities.</p>	
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
Implement Internal Academic Audit	Internal Academic Audit implemented properly.
Conducted courses to enhance employability of students	Increase in number of campus placements.
Encouragement of research activities for staff and students	Research papers are published in reputed Journals.
Conducted variety of co-curricular activities for holistic development of students	Co-curricular activities such as Colloseum and poster presentation were organized.
Strengthening student focused skills development activities.	Technical workshops were arranged.
13.Whether the AQAR was placed before	No

statutory body?	
<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
Nil	Nil
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
CDC	15/12/2021
15. Multidisciplinary / interdisciplinary	
<p>a) The institution offers flexible and innovative curricula of University of Mumbai that includes credit-based courses and projects in the areas of Technology, Science, environmental education, and value-based towards the attainment of multidisciplinary education.</p> <p>b) The institute encourages learners in more multidisciplinary research work by providing facilities to find solutions to society's most pressing issues and challenges. c) The institution encourages the students to participate in competitions like Hackathon innovation. Students are encouraged to participate in Avishkar - Research Convention of University of Mumbai. d) The institute promotes Multidisciplinary / interdisciplinary approach in view of NEP 2020 by offering Honours/Minor degree along with regular degree in affiliation with University of Mumbai.</p>	
16. Academic bank of credits (ABC):	
<p>The institute under University of Mumbai fulfils the requirement of Academic bank of credits as proposed in NEP 2020 by motivating the learners to register under the ABC to avail the benefit of multiple entries and exit during the chosen programme.</p>	
17. Skill development:	
<p>Our institute is AICTE approved and is affiliated to University of Mumbai. The curriculum is set by University and credits are assigned accordingly. Hence, we have not offered any credit based vocational courses in our curriculum. But, for enhancing learner's skills we conduct workshops, add-on programs and seminars on latest technologies in our institute. University of Mumbai has also introduced some basic courses such as Professional Communication and Ethics- I and II in the curriculum that integrates development of</p>	

humanities and ethics which helps to built positivity among the learners. We give learners an industry exposure by motivating them to undergo internships and trainings in nearby industries to boost the performance and meet their career objectives. Several departments arrange industrial visits to motivate learners to get acquainted with the latest industry trends and enhance their skill set. Events such as Avishkar organized by the University of Mumbai benefit learners wherein they can explore their skills in depth. Learners are also encouraged and motivated to showcase their skills by publishing their project work in the international and national conferences and reputed UGC approved journals. The institute takes interest in overall development of the learners by giving equal importance to co curricular activities.

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

As the institute is affiliated with University of Mumbai, the curriculum and the mode of knowledge transfer is followed as directed by the University. Integration of Indian knowledge using culture is done by following practices. Institute has formed Marathi Vangamay Mandal (MVM) named Srujan in 2014. MVM organises Marathi bhasha diivas, Shivaji Maharaj jayanti and Matrubhasha divas. MVM conducts marathi poem competition, skits and many more events for inculcating Marathi bahsha culture. Local language news papers are available in the liibrary.

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

As per OBE the Programme Educational Objectives (PEO), Programme outcomes (PO) and Program specific outcomes (PSO's) are defined by every department. The institute communicates the Program outcomes of all departments to stakeholders, particularly to learners, and determine the level of attainment of these outcomes for the purpose of Assessment. PEOs and POs are published on the college website, printed in journals as well. The outcomes based education (OBE) provides the framework for learners' assessments. Course objectives and outcomes are informed to the learners at the start of the course by the respective faculty members in the classrooms. CO are a comprehensive set of learning goals that are fostered and developed across that particular course. They reflect the competencies needed to meet the challenges of that course. The COs are framed using Bloom Taxonomy action verbs. At the end of semester, all the departments evaluate POs and COs by using tools like tutorial, internal assessment results, end sem exam results, course exit and graduate exit survey and yearly alumni feedback. New teaching methodologies have been enabled through video lectures and slide

presentations that would enhance learners' learning experience. This enables learners and faculty to work together as partners toward achieving a visible and clear goal. Various Add - On Program, AICTE-ISTE Self-financed Approved Short Term Training Programs (STTP) have been arranged for Faculty Members and learners. The core mission of teaching to build the learning competencies is achieved through online tests, assignments, quizzes and puzzles. The evaluation through a survey questionnaire for the attainment of PEOs is done at the end of program. Expert talks, Industrial visits, Seminars, Workshops and Training programs are conducted for learners to improve and enhance conceptual practical knowledge. Technical events are arranged for; enhancing team building skills, creating professional working atmosphere and improving leadership qualities learning various skills.

20.Distance education/online education:

Not applicable

Extended Profile

1.Programme

1.1	345
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1139
Number of students during the year	

File Description	Documents
Data Template	View File

2.2	170
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	328
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	74
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	70
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	24
Total number of Classrooms and Seminar halls	
4.2	318.8617245
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	251
Total number of computers on campus for academic purposes	
Part B	
CURRICULAR ASPECTS	
1.1 - Curricular Planning and Implementation	

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

Shivajirao S. Jondhale College of Engineering, Dombivli is affiliated with the University of Mumbai (UoM), Mumbai. The institute follows the curriculum of Choice Based Credit System (CBCS) as prescribed by UoM. The Academic Committee prepares the academic calendar for every semester in accordance with the university academic schedule, which comprises the duration, assessments for theory and lab courses, curricular, co-curricular activities and disseminates it to the departments. The department prepares the timetable based on the credits allotted for each course. A comprehensive teaching plan is prepared by every teacher which includes the delivery of lectures, tutorials and practicals. Faculty follows the teaching plan in the schedule of their working hours. The class tests are conducted in order to assess the understanding of the students. The Choice Based Credit System (CBCS) is implemented for enabling choice for selection of Elective subjects to the students. Teachers take efforts to ensure quality and to enhance academic growth. Compliance with the curriculum is verified by the HOD and communicated to the principal. Practical, theoretical & oral examinations are conducted to judge the understanding of the students. One Mentor is allotted to a group of 15-20 students for identifying problems of the students regarding academic and social issues.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/1.1.1.pdf

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

The academic calendar of the institute is planned well in advance based on the calendar provided by the university, it contains the relevant information regarding the teaching learning schedule (working days), various events to be organized, dates of internal examination, semester examination etc. and is displayed on the notice boards for the benefit of the students. Lesson plans and Class time table are then prepared based on the academic calendar and distributed to the students. The students' academic progress is monitored regularly by adopting the strategy of continuous internal

evaluation, project work, and unit test and semester examinations. The College with respect to the University guidelines and the Action Plan prepared holds the Internal Assessment for the Students for 20 Marks respectively. The Practical Exams are held under the scrutiny of the External Examiner appointed from the University. Continuous Internal Assessment review is taken by the Principal regularly. In addition, IQAC team conduct internal audit to verify the compliance to calendar of events with documentary evidence.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/1.1.2.pdf

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

7

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)

12

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

594

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

594

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

S.S.J.C.O.E. is affiliated to University of Mumbai and follows the curriculum prescribed by the University.

Course Code : - FEC206

Course Name : - Professional Communication and Ethics- I Semester :
- II

This is a compulsory Course, which provides importance and effective use of Communication Skills.

Course Name : - Professional Communication and Ethics II ,V

This course gives the knowledge of professional and ethical responsibilities and report writing.

Course Code : - CHC603 Pollution Under Control Semester VI Chemical Engineering

This particular course provides a basic understanding of Pollution control regulations and standards.

Course Code : - ITD06013 Green IT VI Informational Technology

This course aims to improve environmental Sustainability, principles and practices, how Green IT is adopted in enterprises & how data centers, cloud computing can be made greener.

Course Code : - CHD08064 Chemical Waste Management

Course Name : Chemical Waste Management VIII Chemical Engineering

In Chemical Waste Management activities, types, nature and volume of waste generated are identified. Effective waste management operations are taught for the protection of the environment.

Course Code : - IOC8029 Environmental Management VIII Chemical

This Course identifies the different environmental issues relevant to India and also shows concerns about the global Concept of ecology .

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

10

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

442

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

C. Any 2 of the above

from the following stakeholders Students
Teachers Employers Alumni

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

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/1.4.1.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

340

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

109

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

Advanced and slow learners are classified on the basis of classroom performance, personal interaction in lab, test1 result. During lectures questions are asked on prerequisite. Lab session provide personal interaction with students. Test1 result gives idea who require more attention.

For advanced learners, faculties identify the requirement of add-on programs. To gain knowledge students participate in seminars and workshops. They also implement projects, mini projects on the latest topics.

Initiatives for advanced Learners

- The Institute encourages advanced learners for internship, Industry sponsored projects.
- Institute promotes advanced learners to participate in technical events held at national level, interdisciplinary projects, intercollegiate and intra-college levels like Hackathon, Avishkar etc.
- Also offers merit prizes to rank-holders.
- Students are encouraged to appear for competitive exams like GATE, GRE, TOFEL etc.

Initiatives for slow Learners

- The students discuss problems with teachers and mentor during mentoring. Activities for counseling and other stress relieving are carried out for students who are lagging.
- Depending on Internal Assessment (IA) performance, practical session, remedial lectures are conducted to ensure better learning.
- Faculty motivates the slow learners in a friendly way to reach higher academic goal, the result of which are reflected in

test-2 and end semester exams.

File Description	Documents
Link for additional Information	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/2.2.1.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1139	74

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Student centric learning process plays an important role towards the development of the students. Faculty members prepare notes for the students for various subjects with the help of textbooks, reference books, NPTEL database, online videos and PowerPoint Presentations. Students are also provided with Tutorials and Case-studies on various subjects. The students are encouraged to participate in various activities such as paper presentation contest, workshops, technical festivals, sports, cultural activities and project competition. The institute provides a well-equipped library with vast number of books, a digital library where students and teachers can access standard journals, NPTEL video lectures. Faculty members attend STTP's based on the recent trends in their area of interest. To develop communication skill and leadership qualities among students various activities are organized under MESA, CSI etc. Multimedia teaching aids like videos, ppts and smart classrooms are arranged to enhance the student's understanding of the subject. Remedial classes are conducted in every department for weak students to develop their progress in respective subjects. Training and Placement cell conducts aptitude test for students. Thus, students express that they are joyful about our college and confident in quality of teaching and learning process.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/2.3.1.pdf

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

Innovative evaluation techniques, such as project-based assessments, peer reviews, and open-book examinations, can replace traditional old memorization tests. These new methods assess students on their problem-solving abilities, critical thinking skills, and application of knowledge, aligning with the dynamic nature of engineering.

Encouraging students to select elective courses based on their interests allows them to explore diverse fields, fostering interdisciplinary creativity. Furthermore, offering courses related to entrepreneurship and innovation equips students with the skills required to convert creative ideas into entrepreneurial ventures, meeting real-world demands. College actively supports and promotes extracurricular activities that cultivate creativity and innovation.

We have adopted innovative way of teaching through the PPTs, charts, e-learning resources through NPTEL. Institute uses ICT tools for teaching and learning process. Students are given case studies to elaborate their ideas. E-learning provides a more efficient & attractive environment which creates transparency between students and teachers. In today's scenario students must be highly innovative and be able to create their own jobs.

By integrating innovative teaching methods, faculty development, creative evaluation techniques, and a flexible curriculum, colleges can offer students an education that not only meets academic standards but also equips them to excel in a rapidly evolving world.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/2.3.2.pdf

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****57**

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****74**

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****13**

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****14**

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

2.5 - Evaluation Process and Reforms

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

The schedule of internal assessments are communicated to students and teaching staff through Institute's academic calendar.

For effective implementation of continuous Internal Assessment system at the institute level, the institute conducts two tests per semester.

Test papers are set based on course outcomes and in consultation with Head of department.

The Time table of Internal Assessment is shared on the notice board as well as in respective student groups one week prior the test.

Model answers are discussed in the class. This helps students to know their shortcomings and areas of improvement.

The students can see their evaluated answer sheets and discuss with concerned faculty.

Once students are cleared with their doubts, mark sheets are generated and result is displayed on the notice board of respective department.

The average of tests marks is considered as internal assessment marks for Semester End Examination.

The evaluation of term work contains experiment marks, assignment

marks, mini project, attendance and performance in laboratory.

For smooth conduction of End Semester Examination, examination cell in-charge prepares guidelines.

Masking, coding and decoding method is used to handle all answer sheets securely.

The students can also apply for revaluation of their answer books of end semester examinations by paying the prescribed fee as per university norms.

The institute follows the reforms of evaluation through the above transparent process as instructed by University of Mumbai.

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 students are the main stakeholders in any imparting education and it's our endeavour to make all efforts to ensure transparency in all the activities at different stages.

Once results are declared student can apply for revaluation, photocopy. If they find any grievances in the photocopy they report to exam section.

Students can apply for grievances by one of the following ways;

- If the total is incorrect
- If some questions are not checked

The exam section committee takes necessary action if required in the case of grievances.

In case of any discrepancy in result sheet, institute verifies the details in available records and guides the students with possible solutions at institute level or refers him with proper document to the university.

At College level in case of unit test, after conduction and evaluation of the test, the subject teacher distributes evaluated copies of their unit test papers to the students.

The students can approach the teachers, in case they need a clarification on the award of marks. Here, teacher clarifies doubts regarding evaluation.

If the student finds any discrepancy in the answer sheet, the students have to fill grievances form in the exam section.

The result of grievances is displayed before the commencement of next exam.

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.

The Institute has well defined learning outcomes.

The vision and mission of the institution emphasizes on promoting value education through motivated trained faculty to prepare the students to accept the global challenges.

The vision and mission statements are displayed on the college website and at various key positions in the college building.

Programme Educational Objectives (PEO), Programme outcomes, (PO) and course outcomes (CO) have been defined by every department. PEOs and POs are printed in journals and COs are discussed by faculty members in the classrooms.

PEOs, POs are published on the college website.

At the end of every semester, all the departments evaluate POs and COs by using tools like tutorial and mid-term results, end sem exam results, course and graduate exit survey and yearly alumni feedback etc.

Every faculty member explains the COs to the students at the beginning of each course.

Students are encouraged and urged to write POs, PSOs, and COs in their note book and laboratory journals.

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.

- To create an academic environment for achieving excellence and to sustain the same, it is important to analyse attainment levels of course outcomes, program outcomes and program specific outcomes.
- The marks in tutorials and assignment, performance in test examination, attendance percentage etc are the tools for evaluating Course outcome attainment. Term work marks are calculated based on these assessments.
- The process of attainment of COs, POs and PSOs begins with framing appropriate COs for each course of the program followed by correlation established between COs and POs in the scale of 1 to 3
- Calculation of Course Outcome attainment :

Internal Evaluation: Lab performance, Assignments, Tests examination, Term Work.

External Evaluation: End Semester Oral/Practical and End Semester Theory Examination

Course Exit Survey

Direct tools contributes to 80% weightage whereas indirect tools

contributing 20% weightage.

Program Outcome (PO) attainment: Calculation of PO attainment is based on the following components

- **Direct tools:** Course Outcome attainment
- **Indirect tools:** A questionnaire is provided to the all the external stake holders who gives their feedback on a scale of 1 to 3
- **Final PO attainment is calculated by multiplying with a weightage of 80%.**
- **Indirect tools is based on survey taken as Graduate exit , Alumni Feedback, parents Feedback, Employer Feedback.**
- **Final PO attainment is calculated by multiplying with a weightage of 20%.**

After measuring attainment of POs , PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students is increasing progressively.

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

273

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://shivajiraojondhalecoe.org.in/naac.aspx>

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

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

0

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

10

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

3.2 - 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

18

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

20

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

Extension activities in higher education can play a important role inbridging the gap between academics and the real world.They connect students and institutions with communities, industries and societal needs.Extension activities are carried out to sensitize students towards social issues and develop a sense of responsibilty towards the society at large.The extension activities carried out during the year were as follows:

- **Celebration of important days like Shivaji Jayanti, Azadi ka Amrut utsav, Constitution Day.**
- **Joining hands with local governance like vaccination drive, new voter registration.**
- **Health awareness programs.**
- **Women health and hygiene programs.**
- **Environment awareness activities amongst students like tree plantation and many other.**

IMPACT OF EXTENSION ACTIVITIES:

The foremost impact of these activities is to develop in the students a sense of participation in nation building through social work. Environment awareness activities like tree plantation provide awareness amongst students about preserving the biodiversity, preserving soil, and climate change. International Women's Day assist women to be in a position of power to make informed decisions about their health. Celebration of important days like Shivaji Jayanti, Azadi ka Amrut utsav are to remember the valor and courage of great leaders and for students to draw inspiration from their life and teachings. By promoting Yoga, students are made aware of its health benefits and they are encouraged to incorporate Yoga into their daily lives.

File Description	Documents
Paste link for additional information	nil
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

01

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

12

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**1112**

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****119**

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****13**

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

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

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

The college has well-established infrastructure spread over 15.25 acres area having a huge green campus with a total built up area 12000 square meters. All the departments are well equipped and have dedicated laboratories, classrooms and tutorial rooms. In total there are 21 classrooms, 06 tutorial rooms, 55 laboratories including separate computer laboratory for every department, 04 workshops, 03 seminar halls and a drawing hall. Facilities like canteen, central library, and open auditorium are available in the campus. Separate boys and girls common rooms are available for students.

All Classrooms are equipped with LCD-projectors and ICT facilities. Centralized facilities like computer-center and language lab are provided. Around 251 computers are available especially for students.

Well-furnished, air-conditioned central library is available with a reading room capacity of 100 seats, stalk rooms with a good number of textbooks, reference books and journals and multimedia PCs.

College management provides adequate physical infrastructure considering AICTE norms and procures equipment for fire safety, CCTV surveillance and fire extinguishers. Potable water, gents and ladies washrooms are provided on every floor. Special provision of lift, ramps and washrooms is also made for handicapped. Building terraces are used for development purposes of special projects like solar power generators.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/4.1.1.pdf

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

Every year annual sports and cultural events are conducted on the

huge playground in the institute. Annual sport week gets an exciting response as winning teams are felicitated with trophies and medals. Department scoring highest points is awarded with a winner's trophy and shield.

All indoor and outdoor sports facilities and gymnasium are available for students throughout the year. Students have to take prior permission from the sport-in-charge for the utilization of all the facilities. College conducts different outdoor sports like Cricket, Kabaddi, Volleyball, and indoor games like Badminton, Carrom, Snooker, Table tennis etc. Yoga sessions are arranged for students and staff on different occasions. Every year YOGA DAY is celebrated on 21st June. All teaching, non-teaching staff and students participate in the same.

Our college conducts cultural events every year like the Colosseum, intercollegiate fashion shows, dancing and singing competitions in which students participate in great numbers. Through some of these competitions revenue is generated.

All these activities are conducted by the student council and student committees like NSS and MVM (Marathi Vangmay Mandal). Three well equipped seminar halls, huge playgrounds and open space in the campus is utilized by students and staff for conduction of various activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/4.1.2.pdf

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

24

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

24

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/4.1.3.pdf
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)

39.25712

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)

Institute has a well-furnished central library with reading room capacity of more than 100 seats and adequate facilities like air-conditioning, drinking water and ladies & gents toilets. Multimedia PCs are available in library to access E-journals, research papers, E-books etc.

Internet speed of 300 mbps is available for internet access. There are 10 multimedia PCs with internet access available for students as well as staff. Facility of copier and printer is also available.

Our institute has subscription for the e-resources like- DELNET, SPRINGER and NDLI club membership through which students can avail remote access to these e-resources. Springer Nature Librarian Portal

is available for access.

Our institute has ERP facility for students and staff since 2018. It includes different modules for management of book database. Library Management System software E-Granthalay is purchased recently. It is used to manage daily activities of library like book entries, book issue and return. There are different modules for day-to-day library activities like full cataloging, accession register etc. College has taken DelNet membership for being a member of a centralized library.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/4.2.1.pdf

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)

8.22692

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

110

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

Our college has well established IT facilities throughout the institute campus. Free high-speed broadband internet currently upgraded to 300 Mbps and WiFi service is provided, updated and maintained by an experienced service provider.

Each department has its own IT structure with an adequate number of desktop, laptop, printers and scanners. Each department has a dedicated computer lab and E- learning facilities. Institute has an adequate number of classrooms with ICT facilities and modern teaching techniques such as smart boards and LCD projectors. The Account section, Administration section, library, faculty and students utilize ERP software facilities.

Currently there are more than 331 computers with the latest configuration and all required software available in the campus for students and staff. Networking equipment eg. Switches, routers, firewalls, ISPs are used to interconnect and communicate all the devices.

From recent pandemic situations, the college has supported all online Teaching-Learning activities. Students have provided access

to E-Books, E-Journals, G-Classroom, video lectures and online study material. College has appropriate IT facilities for conducting online lectures and seminars. The institute is a regular organizer of many online exams such as MHT-CET, NEET, and few other exams.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/4.3.1.pdf

4.3.2 - Number of Computers

251

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	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

203.82886

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.

External agencies have been appointed by Institute management for the maintenance, repair and cleaning of the college campus, equipment, laboratories, library, sports complex, computers, classrooms and other infrastructure and support facilities. The maintenance is done regularly on daily, weekly and monthly basis. Requirements for any maintenance work are forwarded to management through Principal.

1. The Classrooms, Laboratories and other facilities: are maintained and cleaned daily, supervised by Administrative staff in-charge..

2. Computer and support facility maintenance: done weekly by external agencies on call basis.

3. Physical facilities: For electrical and civil maintenance work, each department-head gives their requirements to the Principal, which then is sanctioned by management.

4. Maintenance and utilization of Library:

E- Granthalay and Multimedia facilities are available in the library for students and staff. Requirements of Books, journals or other facilities are forwarded to management through Principal.

5. Sports complex:

All indoor, outdoor sports facilities and gymnasium comes under the control of Sport-in-charge whose prior permission is required before use.

6. Other Maintenance Activities:

Maintenance of the generator, garden, landscapes, and external

beautification of campus is done regularly by administrative staff and external agencies appointed by management. Tree plantation is done periodically under NSS.

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

826

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	Nil
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

809

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

809

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

A. All of the above

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

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

115

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

3

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

0

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.

0

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

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

The institute has a very active Student Council formed by a well-established process. The process starts at the start of the odd semester of the academic year by inviting applications from the students for the various posts of Student Council. It consists of General Secretary, Technical Secretary, Sports Secretary, Cultural Secretary, NSS representative, NCC representative and Ladies representative.

A selection committee comprising of Principal, HOD's, In-charge Sports Director, Faculty Coordinator for Cultural and NSS In-charge is formed for the selection of the Technical, Cultural & Sports Secretary, NSS, NCC & Ladies representative from Third and Final year through an Interview process. The member of Student Council formed has representation from all the departments and together they act as a link between the students and the Institute.

Alongside organizing the college festivals, workshops and skill development sessions are organized across the academic calendar. The members also play a vital role in various institute level committees like the college women development cell, anti ragging committee and IQAC committee.

Right from the orientation of the first year engineering students to farewell of the Graduating students, the council plays an integral part in the organization and execution of these activities.

File Description	Documents
Paste link for additional information	Nil
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

34

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

Shivajirao S. Jondhale College of Engineering Student Alumni Association (SSJCOEAA) has been registered with registrar of societies as per society act 1860 (section 21, 1860) at Thane bearing registration number: Maharashtra/1081/2019/Thane. This Association is functional and formed with an objective to nurture a bond with alma mater, to help in building up the network of the alumni.

The main objectives are

- To have a platform where the alumni, existing students and staff of the institute can interact.
- To effectively network and collaborate with alumni every year which provide platform for the students to interact with their seniors.
- To increase assistance for Internships and Placement for current students.
- To provide feedback with respect to curriculum, facilities, developmental activities etc.
- Our alumnus Mr. Karan Bahure from Department of EXTC conducted value added course on "Internet of Things- Arduino under the organization Technojack Infosolutions.
- Mr. Akshit Bangale from Department of Computer Engineering conducted a Bootcamp on "IOT" for students of Computer, IT and EXTC.
- Mr. Vahaz Kazi from Department of Computer Engineering conducted seminar on "How to crack interview" for Final year students.
- Miss Vidya Khamgar, alumnus of Department of Computer

Engineering conducted a seminar on "Sales Force" for final year students.

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

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

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision of the institute:

To impart quality technical education creating competent and ethically strong professional with capabilities of accepting new challenges.

Mission of the institute:

- **Our efforts are dedicated to impart quality technical education based on balanced Programme of instruction and practical experiences.**
- **Our strength is to provide value based technical education to develop core competence and ethics for overall personality development.**
- **Our endeavor is to impart in depth knowledge and versatility to meet the global challenges.**

The institute is working under the frame work of AICTE, DTE and University of Mumbai.

The vision-mission of the institute have been decided with active participation of Alumina, Industry people, employers, parents, faculty members.

SSJCOE leadership communicates the vision-mission statement to all the stake holders by displaying in all the department, library, Seminar hall and administrative office of the institute and institute website.

SSJCOE leadership ensures more emphasis on teaching and learning processes, by ensuring the learners to be more practical oriented through organizing seminars, add-on courses, workshops, Industrial visits and internships. The institute has successfully deployed the perspective plan of new course i.e. AIML.

SSJCOE encourages departments to collaborate with various professional bodies like IICChE, CSI, ISHRAE, IETE to enhance the technical skills and to develop overall personality of the students to meet global challenges.

File Description	Documents
Paste link for additional information	https://shivajiraojondhalecoe.org.in/about.a_spx
Upload any additional information	View File

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

SSJCOE encourages decentralization by delegation of authority and operational autonomy to department.

Academic decentralization is done through Dean Academics. Administrative decentralization is achieved through Registrar. Student affairs are dealt through Dean (Students affair).

Case Study: - Activities by Professional bodies

SSJCOE encourages every department to collaborate with professional bodies like IICChE, CSI, ISHRAE and IETE to enhance the technical skills and to develop overall personality of the students.

Initially Head of the departments appoint the co-coordinator for the professional bodies. Head of the department and coordinator along with the senior faculties forms the student chapter. Under the student chapter various professional events like poster presentation, paper presentation, quiz competition are organized. Every year students register the membership of professional bodies.

Registered students can join numerous seminars, symposia, workshops, training programs, special lectures, industry visits and other professional activities.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institute has successfully deployed the perspective plan of offering new course i.e. Artificial Intelligence and Machine Learning for year 2021-2022 by considering current needs and benefits of industries and organization, which will be useful to students for their better development and future perspective. AIML applications bring about the convergence of analytics, data science and automation that accelerate successful digital transformations and fuel business outcomes.

The institute has deployed the perspective plan of new course offered in 2021-2022 by allocating and setting the labs for second year AI/ML students to conduct the practical successfully in 2022-2023. AICTE has given extension approval for academic year 2022-2023. The course is successfully started and students committee named as Artificial Intelligence and Machine Learning Students Association i.e. A.M.S.A. is formed.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
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 institute has the various functioning bodies which look through the policies, administrative setup, appointment and service rules, and procedures effectively.

Functions and responsibilities of:

1. **President:**
2. **Principal:**
3. **Head of Department:**
4. **Registrar:**
5. **Training and Placement Officer:**
6. **Deans:**
7. **Co-ordinators:**
8. **In-charges:**

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	https://shivajiraojondhalecoe.org.in/Documents/organogram.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

Welfare measures for teaching and Non-teaching staff

- Encouragement the faculty for attending workshop, conferences, seminars, STTP, FDP, for membership, visit industry and publish research papers in Journals or conferences.
- The institute provides Teachers sponsorship to pursue for higher studies.
- The institute organizes felicitation function on the Achievement of staff.
- Promotes and motivates the faculty to use ICT tools.
- The institute provides Medi claim policy, ten days paid and twenty days half paid medical leaves, study leave to acquire the higher education, paid maternity leave and casual leave facility to all staff.
- The institute organizes training programs as per the need for skill development of non- teaching staff.
- The institute provides Employees Provident Fund facility and Gratuity for all staff.
- The institute provides summer and winter vacation for teaching and supporting staff, as per University of Mumbai guidelines.
- The institute provides, Uniforms to all class IV staff.
- Provision of canteen, RO purified drinking water, Gym, secure parking area and 24/7 hours security in the campus.
- Sanitary Napkin Vending Machine, First aid facility and Doctor on call is available.
- Provides Accidental Insurance, Building Insurance, Fire and safety.
- Increment after getting Ph.D.
- Examination Remuneration is given for all types of duties and paper assessment work.
- Vaccination drive for booster dose.
- Counsellor is appointed for students.

File Description	Documents
Paste link for additional information	Nil
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

5

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**

2

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**

54

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

Quality teaching is imperative for improving student outcome and achievements. The organization has well designed Performance Appraisal System. It is executed with the help of self appraisal report, which gives qualitative assessment of the faculty members. The performance is self assessed by duly filling online PAR, with proofs of performance by faculty at the end of academic year. The applications are then evaluated by respective department HOD and principal. The system inspires faculty, which boost professional knowledge and growth. The faculty appraisal is provided by considering the following parameters.

- General information.
- Teaching - It includes information about the subject thought, paper setting, conduction of oral examination as an external examination, result analysis.
- Details of Innovations/ contribution to Teaching during the year - It includes participation in designing curriculum, Different teaching methods, Preparation of resource material.
- Improvement of professional competence - It includes details of refresher courses, orientation, workshop, conference, STTP attended during the academic year.
- Research contribution - It includes, Number of papers published, Minor research under taken, FDP Orientation organized during the year.
- Extension work /community service.
- Participation in co curricular activity.
- Any other role in institution other than teaching.

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 Institute has an effective mechanism for auditing the Institute accounts. The auditing process of SSJCOE takes place in two stages External audit and Internal audit. Chartered accountant audits the accounts of the institute regularly as per the rules and guidelines. The external auditor is appointed by the trust who executes the statutory audit and gives his report on audit every year. The last audit was carried out in the month of November 2023. The internal audit of accounts of the Institute is carried out by team of internal auditors occasionally. The internal auditor checks the accounts to see if all entries are properly recorded for the smooth running.

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)

Nil

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

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

Shivajirao S. Jondhale College of Engineering is a non-aided SelfFinance Co-Education Institute. The main source of income of Institute is Tuition Fee & Development Fee from the students. This income is utilized to meet routine day to day expenditure of the Institute. I.e. Salary & Non Salary expenses. As per Annual requirement proposed budget is prepared on the basis of last year actual Expenditure. The budget is prepared by the Principal, Head of Department and Registrar. This Budget is finalized in the meeting of Local Managing Committee (LMC) / College Development Committee (CDC). The LMC forwards the proposed budget to the Governing body for final 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

SSJCOE has established the Internal Quality Assurance Cell (IQAC) in the year 2017 for provision of good quality of services. The IQAC enables the institution to focus on this mission. 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. Some of the initiatives are with respect to Curriculum, development of student programmes, Teaching learning Evaluation processes and faculty development programme.

Faculty members and students are active members of professional bodies like IETE, CSI, ISTE, ISME, ISHRAE etc. Various student associations are also formed at departmental level.

The faculty development is done by encouraging the faculty members for pursuing for higher studies like PhD.

IQAC has given importance to Professional and Technical Skills exposure to students by encouraging them for Internships in industry. Internships are the bridge between academia and professional world. They provide students with an opportunity to gain professional skills that will enhance marketability upon graduation from college. It incorporates education and professional development and is designed to guide the intern toward a professional carrier in a particular organisation field or sector.

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

Based on University Academic calendar, the institute prepares its own academic calendar well in advance before the start of the semester. HOD allocates theory and laboratory work load to faculty members according to their choice. The department time table for each semester is prepared to indicate specific class & laboratory hours. Every faculty member maintains course files which contain lesson plan, notes, previous year question papers, academic record book and laboratory manual. The college encourages its faculty members to attend orientation programs to improve the teaching learning process. The college provides ample books, reference materials to ensure effective delivery of the curriculum.

The teaching learning process is reviewed on regular basis with the feedback mechanism.

- 1) Feedback from students
- 2) Self appraisal from staff

Various bridge courses are conducted for the first-year students to analyse concepts. Guest lectures, seminars, Add-on and value-added programs are conducted to supplement the curriculum inputs. Effective delivery in the analytical subjects is ensured by conducting tutorial classes as per the time table. Faculty members encourage the students to do innovative project work. The periodic review of the syllabus covered by the faculty members is done. To monitor the performance of the student, IA tests are conducted twice in a semester along with regular assessment. Oral/Practical examinations are conducted.

The institution reviews structures and methodologies of operations by conducting Departmental audit and internal academic audit.

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)

D. Any 1 of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
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

Our institute believes in gender sensitivity, equality and equity by providing equal opportunities to its students and staff without any discrimination on any grounds. Institution provide facilities such as:

Safety and Security:

1. The institute campus has a strict Security check at entrance for all persons. Students and staff wear Identity cards. Institute has installed CCTV cameras at different locations. Tilt and Zoom cameras also installed near institute entrance. The college is equipped with fire extinguishers at laboratories and fire fighting system. Outside Agency has been appointed for institute cleanliness and security services. Security guards are available for twenty-four hours. Nearby police station contacts numbers and toll-free help line numbers are displayed on notice boards at strategic locations including ladies common room.
2. College conduct safety and security awareness session with the help of traffic police department as many of our students from local area uses their vehicle for commutation.
3. Self-defense workshop conducted for women employee and girl students of the college.
4. Health awareness program related to women are organized for ladies staff and girls student of the college.

Counseling:

The objective of counseling is to facilitate Academic, Emotional, Social and cognitive development of students. For every batch of students in a class, we appoint a Mentor who counsels and keeps a record of every student.

Common Room:

Boys and Girls two separate common rooms are available. Basic facilities are provided for rest and relaxation.

File Description	Documents
Annual gender sensitization action plan	https://shivajiraojondhalecoe.org.in/naac.aspx
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://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/7.1.1_ii.pdf

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

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

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

7.1.3:Waste Management steps including: Solid Waste Management:

1.Bio-degradable waste from college canteen, Dead leaves of the trees, reasonably large amount of waste papers and others solid waste is generated in the college. The waste bins are placed in the corridor and in every required place in the campus. The green waste is usually not burnt but is collected centrally. As suggested by green audit committee bio degradable waste is segregated properly and used to prepare compost.

2. Hazardous waste from chemicals and acids are found in Chemistry and Chemical Engineering Laboratories are collected properly in a separate waste bin and handed over to responsible agency. Proper ventilation and adequate exhaust provision is provided in chemistry and Chemical Engineering Laboratories.

3.Paper waste consisting of journals, answer sheets are sold to

purchaser.

4. Students from NSS has initiated drive to make notebooks out of unused blank pages and give it to poor and needy children in nearby villages.

5. Metal scrap of workshop is sold to scrap dealer.

Liquid Waste:

All Liquid waste from canteen and laboratories are properly disposed.

E-Waste:

1. Old version Computers and peripherals are sorted properly.

2. Electronic equipment which became outdated due to technological advancement and / or change in syllabus are kept in dead stock. Dead stock to be controlled by administrative office.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	https://shivajiraojondhalecoe.org.in/Documents/Naaccriteria/7.1.3.pdf
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

B. Any 3 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 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

C. Any 2 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 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-

B. Any 3 of the above

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

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

Our institute efforts in providing an inclusive environment to all the students and staff. Every student in institute feels supported intellectually and academically. Various activities conducted for the promotion of national integration, communal harmony and social cohesion as well as for observance of fundamental duties over the academic year. Students participate in every activity as per their choices and interest. NSS and students committee of institute initiate cleanliness drive, plantation drive, no plastic awareness. Institute also conduct workshop, seminars and rally for safety awareness, health awareness, youth empowerment, Cyber security. Internal Hackathon organized for the selection of college representing team. Institute also conducted the activities as suggested by AICTE and DTE as Matru Bhasha Divas, Celebration of Azadi Ka Amrut Mahotsav.

Cultural Programme such as Traditional Day, Dandiya and Ayudha puja during Navratri festival, Institute cultural festival ODDASY organized every year. Apart from this students and staff participate actively during Sports week. Seminars, hands on workshop for students and FDP for staff also organized in the institute as a part of technical festival.

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 take all initiatives to make their students and staff a responsible citizen of India by conducting various activities over every academic year.

INDEPENDENCE DAY AND REPUBLIC DAY:The college celebrates the National festivals by organizing the flag hoisting ceremony on Independence Day as well as on Republic Day. Student council members and NSS students also attend the same.

MAHARASHTRA DAY: Flag hoisting is done on Maharashtra Day, 1st of MAY.

CONSTITUTION DAY: As per national directive every year on 26th Nov we celebrate constitution day taking oath.

VOTER'S DAY: The national voters' day is celebrated in India on January 25.We celebrate this by conducting activities like poster presentation, awareness program, essay competition etc.

NATIONAL YOUTH DAY:This is to commemorate the Birth Anniversary of Swami Vivekanand on January 12th.

SHIVAJI JAYANTI: Shivaji Jayanti is a festival celebrated on 19th February,birth anniversary of great 'Chhatrapati Shivaji Maharaj'.

ENGINEER'S DAY: Every year on 15th September we celebrateas a tribute to great engineer and Bharat Ratna M.Visvesvaraya.

Punyatithi of our founder and yogaday also celebrated every year.

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

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 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

Our institute take all initiatives to make their students and staff a responsible citizen of India by conducting various activities over every academic year. As a respect to the great leaders of our nation, the college celebrates national festivals, birth anniversaries and memorials of great personalities of the nation, remembering their sacrifices and achievements for our country. Some of them are:

INDEPENDENCE DAY AND REPUBLIC DAY: The college celebrates the National festivals by organizing the flag hoisting ceremony on Independence Day, Republic Day.

MAHARASHTRA DAY: Flag hoisting is done on 1st MAY to commemorating the formation of the state of Maharashtra.

MAHATMA GANDHI JAYANTI: On the occasion of Gandhi Jayanti Cleanliness drive organized by NSS and student council in our college.

SHIVAJI JAYANTI: Shivaji Jayanti is a festival celebrated in the state of Maharashtra, on 19th February. It is the birth anniversary of founder of Maratha empire 'Chhatrapati Shivaji Maharaj'.

PUNYATITHI OF OUR FOUNDER: Every year, on 24th January, we give tribute to our founder Late Shri. Dada Saheb Jondhale.

MARATHI DIVAS: Marathi Vangmay Mandal celebrates Marathi Divas on February 27.

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 Practice 1:

1. **Title of the Practice:** Smart India Hackathon Cell

2. **Objective:**

- Harness ingenuity and capability of students.
- Build pathway for Startup India campaign.
- Sourcing solutions for improving quality of life and facilitate governance.
- Provide opportunity to students to provide innovative solutions to India's unapproachable problems.

3. **The Context:**

- Smart India hackathon is a 36 hours ceaseless digital product

building competition, during Which student teams from all over India race to offer innovative solutions in order to make our nation a highly advanced, developed and prosperous one.

Best Practice 2:

1. Title of the Practice: Promoting cultural diversity

2. Objective:

- To respect and appreciate cultural diversity.
- To promote the understanding of unique cultural and ethnic heritage.
- To promote the development of culturally responsible and responsive curricula.
- To facilitate acquisition of the attitudes, skills and knowledge to function in various cultures.
- To eliminate racism and discrimination in society.
- To achieve social, economic and educational equity

3. The Context:

- Essentially, cultural diversity is about bringing people together from a diverse set of backgrounds and cultures, then creating an environment that not only recognizes the differences between those cultures and backgrounds, but celebrates them.

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 college has a vision to impart a quality technical education for creating competent and ethically strong professionals. College intends to provide a friendly and healthy environment to facilitate holistic development of students. Holistic development of students includes their intellectual, social, physical, and emotional developments.

Intellectual development: The institute follows university

curriculum through well planned academic calendar and teaching learning process. Industry expert's lectures and add-on courses enable students to get professional exposure. This also enables them to get ready for work outside. The students are facilitated to work on relevant problem related to society, industry through projects like minor and major projects. Students are motivated to participate in competition like smart India hackathon and Avishkar. Every year Induction program is organized for first year students.

Social development: The social skills are nurtured through various activities conducted by NSS. The students undertake activities of spreading social awareness about various burning topics such as Go green, No plastic awareness, women health, Swatch Bharat, Blood donation etc. While doing so, they also become aware of the issues of the society and think on probable measures to solve them.

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) To participate in NIRF ranking.
- 2) Initiative for clean, green and polythene free campus.
- 3) To organise workshops and Faculty Development Programs for faculty.
- 4) To enhance aptitude and soft skill development of students by organising workshops and training programmes.
- 5) To organise add-on courses for students to enhance technical skills.
- 6) To develop new AIML labs.
- 7) To prepare for NBA accreditation process.