



## YEARLY STATUS REPORT - 2023-2024

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>	
	JSPM's Rajarshi Shahu College of Engineering, Pune
• Name of the Head of the institution	Dr.Santosh Bhosle
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	02067127777
• Alternate phone No.	020
• Mobile No. (Principal)	9822768246
• Registered e-mail ID (Principal)	principal@jspmrscoe.edu.in
• Address	S.NO. 80, Ashok Nagar, Tathawade, Pimpri-Chinchwad
• City/Town	Pune
• State/UT	Maharashtra
• Pin Code	411033
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	10/07/2018
• Type of Institution	Co-education
• Location	Urban

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr. Rachayya.R. Arakerimath</b>				
• Phone No.	<b>02067127777</b>				
• Mobile No:	<b>9890835363</b>				
• IQAC e-mail ID	<b>deaniqac@jspmrscoe.edu.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://www.jspmrscoe.edu.in/">https://www.jspmrscoe.edu.in/</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.jspmrscoe.edu.in/details/All-Academic-Calendars-2023-24">https://www.jspmrscoe.edu.in/details/All-Academic-Calendars-2023-24</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.26</b>	<b>2017</b>	<b>30/10/2017</b>	<b>31/12/2024</b>
<b>6.Date of Establishment of IQAC</b>			<b>20/06/2014</b>		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Electronics & Telecommunication	STI Hubs for Development of SC and ST Communities	DST	21/01/2022	27313249
Mechanical Engineering	Collaborative Research	Research & Innovation Dept. of University Malaysia Pahang	01/08/2021	270215
Mechanical Engineering	Collaborative Research	Infraking Consulting Engineers Pvt. Ltd.	01/07/2019	400000
Civil Engineering	IGS student Chapter	Indian Geotechnical Society (IGS) New Delhi	01/02/2023	100000

### 8. Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> <li>Upload the latest notification regarding the composition of the IQAC by the HEI</li> </ul>	<a href="#">View File</a>	
<b>9.No. of IQAC meetings held during the year</b>	<b>03</b>	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10.Did IQAC receive funding from any funding agency to support its activities during</b>	<b>No</b>	

<p><b>the year?</b></p> <ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul> <p><b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b></p> <p>Enhancements in infrastructure facilities across all departments.</p> <p>Upgradation of the curriculum in association with IIT Ropar and KPIT to include NEP guidelines.</p> <p>Enhancements in Research culture across all departments.</p> <p>Enhancements in training and placement opportunities to eligible students across all departments.</p> <p>Establishment of Institute Innovation Council (IIC) under MHRD.</p> <p><b>12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b></p>	
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Plan of Action	Achievements/Outcomes
NIRF ranking	Ranking in National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development, Government of India in the Band: 151 to 200 under Engineering category for the year 2024.
Academic and Administrative Audit	Academic and Administrative Audit completed under the chairmanship of Dr M U Kharat VC of G H Raisonni University in August 2024
To prepare virtual lab assignment for IIT Bombay	The faculties of the institutes has developed Virtual lab for IIT Bombay under virtual lab development and few faculty are mentor also.
Motivation for NPTEL course for various subjects	More than 100 students and 20 faculties passed NPTEL exam for various courses.
FDP on Emerging Trends in AI and ML	FDP on Emerging Trends in AI and ML is held during 8-12 Aug2023 by E & TC dept Under IEEE Student Chapter
Starting of PhD Research Centre in Computer Engg and MBA	Approval received and started PhD Research Centre in Computer Engg and MBA from SPPU Pune for AY 2024-25
Plan to start BCA UG course	Approval recieved and started the BCA Program under Dept of Computer Applications for AY 2024-25
<b>13. Was the AQAR placed before the statutory body?</b>	Yes
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name of the statutory body	Date of meeting(s)
Governing Body and Academic Council	29/07/2024
<b>14. Was the institutional data submitted to AISHE ?</b>	Yes
<ul style="list-style-type: none"> <li>Year</li> </ul>	
Year	Date of Submission
2023-24	15/02/2024
<b>15. Multidisciplinary / interdisciplinary</b>	
<p>Multidisciplinary education in engineering involves integrating knowledge from multiple disciplines, while interdisciplinary education blends insights and methodologies from different fields to solve complex problems. Both approaches ultimately enhance innovation and creativity in engineering solutions. NEP 2020 emphasizes recognizing, identifying, and fostering the unique capabilities of each student, by sensitizing teachers and parents to promote each student's holistic development in both academic and non-academic spheres. The institution offers multidisciplinary and interdisciplinary courses to the students, allowing them to choose their subjects, courses, and programs from different areas as per NEP 2020. In this regard, the institute has revised its First Year to Final Year B. Tech curriculum. (2023 Pattern - All Programs) commenced from the Academic Year 2023-24. The institute offers open electives where students have the liberty of choosing open electives from other engineering disciplines to discover their interests during their learning journey, and this would enable them to forge their path. The institute also offers Humanities, Science, and Mathematics as an integral part of the engineering courses with major/minor and honor courses in various engineering disciplines. A research culture is enhanced by determining a research theme or thrust areas. Thrust areas will be selected based on national and State priorities/missions. The Institute organizes an interdisciplinary international conference every year to promote a blending of different disciplines leading to the exchange of research ideas and knowledge on topics of overlapping domains. NEP 2020 emphasizes setting up a holistic environment on campus through various clubs and activities. The Institute has identified Major Mandatory Courses and Major Electives based on the prerequisite</p>	

knowledge the entry-level students acquired. The diversity of the multidisciplinary flexible curriculum is captured in some generic entry-level open electives. Different skill enhancement courses are also coined. Our curriculum has Human values and Ethics focuses on student growth and is a regular credit-based course. Our is an autonomous institute that has been implementing Multidisciplinary education in the form of track-based classes, minors, etc. for the last 3-4 years.

#### **16.Academic bank of credits (ABC):**

The Academic Bank of Credit (ABC) allows students to accumulate and transfer credits from various institutions, enhancing flexibility in their engineering education. As per the directions of the Govt. of India NAD-ABC, the institution has taken the initiative to fulfill the requirement of Academic Bank of Credits (ABC) as proposed in NEP-2020 by appointing NAD Nodal officer. All the students have created their ABC ids and NSDL login. The institution has registered under the ABC to permit its learners to avail the benefit of multiple entries and exit during the chosen program through the NAD web portal. The institution has collaboration with various international universities where students can also choose various courses from international universities. The facility of transferring credit has been provided through the NAD web portal. It aims to provide a more personalized learning experience and facilitate smoother program transitions. The new pedagogy, textbook, reading material selections, assignments, and assessments through various national and international collaborations with universities. The faculty members are deputed for training in the various IITs, NITs, and reputed institutes to design the curriculum as per NEP-2020 and decide the pedagogy. The institute has a separate cell of International Relations (IR), with MoUs with various international and national universities. This collaboration helps to implement the Academic Bank of Credits (ABC) in the institution given NEP-2020. Pedagogy, textbooks, reading material selections, assignments, and assessments through various national and international collaborations with universities. This collaboration helped to implement the Academic Bank of Credits (ABC) in the institution given NEP2020. The examination process is fully automated and uses Eduplus software where all credits and evaluation process is done.

#### **17.Skill development:**

Skill development encompasses several vital attributes, including identifying one's skill gaps and enabling one to develop those skills to achieve their goal. Along with technical skills students

must possess interpersonal skills too to bag suitable placements, considering this dire requirement institute provides the necessary training from the first year itself. 1. The students are provided with soft skill sessions from the first year of Engineering which helps them to strengthen their communication skills 2. To strengthen their interpersonal skills, the Institute has integrated business Communication and Values Science as a part of the curriculum, Japanese language training in association with Accenture. 3. For second-year students we provide dedicated In-House Aptitude training. 4. From the third year we train students in vocational skills such as Career Readiness Training, and Auto CAD. 4. Pre-placement activities such as mock interviews, Group Discussions, and Extempore are conducted 5. The curriculum included ethics and values in order to improve student conduct, helping them to make the right choices, lead their professional lives, and become ethical individuals. Through Subjects like value science, students are enlightened with the ethics required to sustain a workplace environment and thrive in society. Personal counseling through a dedicated on-campus counselor makes students ready for ethical values. SWOT analysis. Institute's efforts 1. Credit score pattern—Every student should appear for language proficiency tests in English, German, Japanese, and French. The credit score will be a minimum of 1 and a maximum of 4 points. 2. Several sessions by industry veterans are conducted such as a motivating session by An Army veteran, skill development training for future readiness by the American India Foundation, and a Center of Excellence MoU with Tech Mahindra. Technical training through the Fluid Power Society of India& Automotive competitions like Supra for Mechanical, Transformer, Lamp & EV projects, PLC for Electrical, 3. the 6-month full-time internship in collaboration with different industries to gain practical knowledge and industry norms in advance The program involves internships to acquire various discipline-related skills and technologies and develop their technical and professional knowledge. 4. A Few Unified platforms for skill mapping are Swayam, Coursera, and NPTEL. These platforms help students to learn on their own with certifications. 5. Online platforms like Unacademy, Cocubes, bvetrainophilic, E-RSCOE YouTube channel support students to learn and gain knowledge. 6. Few CSR training through Barclays GTT & ZENSAR for Python, Java, and Software testing. Such training helps students with lower financial categories. The new curriculum is focused on a student-centered instruction model.

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

Educating about Indian culture mediates the sense of self-esteem in

an individual because it involves certain aspects of their lives, like beliefs, values, etc., which become the forefront of how one measures their worth. It builds self-esteem, creativity, and problem-solving skills. Our institute has signed a MoU with IIT Ropar and industries like TCS, KPIT, and Veritas for curriculum development which includes curriculum based on the needs of industry, courses for skill development, interdisciplinary knowledge, the inclusion of different value-added courses, societal problems, internship, industrial projects adapting the modern techniques in teaching-learning process, etc. A discussion among the faculty members has been initiated on the key principles of NEP such as diversity for all curriculum and pedagogy with technological innovations in teaching and learning, encouraging logical decision-making and innovation, critical thinking, and creativity. To provide holistic academic growth among students, an Interdisciplinary curriculum has been proposed which gives freedom to the student to choose their preferred options from the range of programs offered by the institution. All the courses offered by the institute are Choice Based Credit System (CBCS). A few of (them also include value-based and environment-based subjects like professional Ethics, Environmental studies, principles of Management, project management, etc. All programs are designed in such a way that students get maximum flexibility to choose elective courses. The institute also offered credit courses through MOOCs, Coursera, SWAYAM, etc.

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

The OBE framework adopted by institution revolves around three important elements: a) description of the student's learning outcomes (COs, POs & PSOs) in the form of a verb (learning activity), its object (the content), and specification of the context and a standard the students are to attain; b) creating a learning environment using teaching/learning environment activities that address that verb and therefore are likely to bring about the intended outcome and c) using assessment tools. A Course Outcome (CO) is a measurable, observable, and specific statement that indicates what a student should know and be able to do as a result of learning. The compliance of module outcomes with each PO and PSO is verified based on action verb, content, and the context of application/performance. The curriculum gap for PO / PSO attainment at course level and at the program level is identified. All activities are mapped to POs and PSOs related to curriculum gaps and content beyond syllabi. Feedback on bridging the curriculum gap and delivery of content beyond syllabi is collected from students. The COs of each course shall be mapped to POs and PSOs along with their correlation strength mentioned in three levels (slight-1,

moderate-2, substantial-3) Direct Internal assessment of COs calculated through various tools like mid-sem exams, tests, assignments, MCQ, project, seminar etc on every CO. The direct external CO assessment is based on end-semester exams. The Indirect assessment at the course level is carried out by conducting a course-end survey, a lab-end survey. The indirect attainment of POs and PSOs is calculated by exit survey, employer's survey, co-curricular activities, extracurricular activities etc. Based on the percentage of CO attainment, the direct assessment of POs and PSOs is calculated. The three levels of PO/ PSO attainments are decided by BOS depending on previous attainments levels. In case the PO/PSO has achieved the expected value, then the target is increased by 5% otherwise the previous target is retained and an action plan is prepared for improvement. Practices of the institution about outcome-based education (OBE) given NEP 2020. 1. Multiple Entry and Exit The OBE setup at RSCOE is implemented progressively. After every semester the CO attainment and partial Program outcome attainments are calculated. Courses like summer internships and certification programs are mapped to Program outcomes. In the case of multiple entry students, previous records are maintained in ERP. 2. The institute uses ERP software which facilitates the OBE and Attainment. 3. Multidisciplinary approach through departments like arts, science, humanities, and Interdisciplinary courses by forming clusters of different departments at the institute level. Students are allowed to select elective courses and open electives. The autonomous status helps the students select a course of their choice from other departments and import the assessment required for attainment. 4. Credits for club activities: For PO 6 to PO 12, professional club activities, and student association activities are considered. Activities, where students can earn credits, are disseminated among the students via websites and notices.

#### **20.Distance education/online education:**

Distance education or online education in engineering refers to learning conducted via the Internet, allowing students to access course materials, lectures, and assignments remotely. Key features include: 1. Flexibility: Students can learn at their own pace and schedule, making it easier to balance work and study. Many of the faculty give online assignments and they are solved as per student time and submitted before the last date. 2. Accessibility: Provides opportunities for students in remote areas or those with commitments that prevent traditional classroom attendance. Our faculty has few videos, and online material to access as per the student requirement. 3. Diverse Resources: Online platforms often offer a range of multimedia resources, such as videos, simulations, and

interactive labs. Few of our faculty have V-Lab sessions under IIT Bombay. Also, we are the nodal center for the same. 4. Global Collaboration: Students can collaborate with peers and instructors from around the world, enhancing learning experiences. Most of the students have done online internships and training courses from Malaysia University, Taiwan, and have achieved certifications. Online teaching and learning make students more responsible for their education. ICT helps students get ready by letting them explore, assess, share, and present information in a fairly organized way. Modern learners are good with technology, so using ICT in their everyday learning makes them feel and look good. Students are encouraged to learn value-added courses, skill development courses, etc. Using ICT to teach and learn is part of the education system today. ICT-based education helps, improves, and uses information delivery in the best way possible. The classrooms have LCD screens and Wi-Fi, which makes it easy for teachers to upload their lessons and materials and encourages them to do so. Faculty members get regular training and development on how to make e-content. For each module, the faculty makes e-content and puts lecture videos, PPTs, and other learning materials in the EDuPlus software. During live classes, counseling sessions, and mentoring, the teachers talk to the students through the EDuPlus mobile app. Students use the app on their phones to turn in assignments, take MCQ tests, and take descriptive online tests. They can get course materials at any time from the EDuPlus software. Our institute offers some courses online through NPTEL, Swayam etc. In March 2020 when COVID-19 forced a mass shutdown of the institute's physical facilities, the cyber facilities of various online platforms such as Google Meet, zoom, Microsoft Teams, and Cisco Webex were used very efficiently by the faculty and students alike. This advanced familiarity with the contents enabled the institute to bring its entire teaching and learning on schedule time. Postpandemic, the trend has continued, and blended learning has been incorporated with a bigger effect and impact on online learning. Consistent with the national education policy practices of encouraging the use of online platforms for teaching-learning purposes, the institute has been using the Swayam platform for teaching-learning. Page

## **Extended Profile**

### **1. Programme**

1.1 14

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

## 2.Student

2.1 3857

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 1132

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3 4148

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

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

## 3.Academic

3.1 902

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2 197

Number of full-time teachers during the year:

## Extended Profile

### 1. Programme

1.1 **14**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 2. Student

2.1 **3857**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 **1132**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3 **4148**

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

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 3. Academic

3.1 **902**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2	197
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3	197
Number of sanctioned posts for the year:	
<b>4.Institution</b>	
4.1	375
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	47
Total number of Classrooms and Seminar halls	
4.3	1246
Total number of computers on campus for academic purposes	
4.4	2184.55
Total expenditure, excluding salary, during the year (INR in Lakhs):	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

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

JSPM's RSCOE is an Empowered Autonomous Institute recognized by SPPU. To promote the vision and mission, the curriculum of all programs is supported by renowned academic institutes and industries viz: IITRopar, TCS, KPIT, Veritas, Bentley, Janatics and TATA Automation. This collaboration holds the key to nurturing innovative and highly skilled individuals. The members of the various committees viz: Academic Council, Board of Studies are

experts from industry and academia. The committee periodically evaluate and recommend changes which ensure that our graduating engineers can compete on a global platform. The Institute follows the philosophy of OBE and there is a structured process to frame and evaluate the attainment of the POs, PSOs, and COs. The effective implementation of the OBE is reflected by the fact that all our undergraduate programs have been accredited by NBA since 2012 and postgraduate programmes (Civil, Mechanical) in 2023. The curriculum incorporates advanced discipline knowledge, modern skills, and their applications while remaining flexible, dynamic, and responsive to changing demands. Students have an option of Honors. Students also participate in Hackathons and Community Projects which allow them to work on local, national and global challenges. The Curriculum has incorporated NEP2020 to prepare graduates who are skilled, innovative and possess ethical values.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://www.jspmrscoe.edu.in/details/CO-PO-PSO1">https://www.jspmrscoe.edu.in/details/CO-PO-PSO1</a>

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

12

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

246

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

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

123

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

14

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

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

**Professional Ethics: Courses like Professional Practices in Civil**

Engineering, Employment Skill Development, Business Management, Web Technology, Human Values and Ethics, Human Resources Management, and Entrepreneurship Development are introduced in the curriculum. All the post-graduate courses have incorporated Research Methodology as a mandatory course.

**Gender:** The institute promotes gender sensitivity, equality, and inclusivity, empowering students to challenge stereotypes and foster a culture of respect and empathy. Same dress code is prescribed for both genders and equal opportunities are given for participation in student council, placement opportunities, co-curricular activities.

**Human Values:** A compulsory course on 'Human Values and Ethics' is offered for all Programs in the undergraduate level. The Institute regularly hosts National Level Workshop on 'Universal Human Values' under AICTE.

**Environmental-and-Sustainability:** There is a compulsory course on Environmental Studies in the curriculum. Electives such as Air Pollution and Control, Green and Sustainable Building Technology, Wind and Solar Energy, Energy Audit & Management prepare students for emerging environmental challenges. The Institute has received a grant for the research "Long lasting Dhoop batti"/Insects repellent from Organic Solid Waste through UBA. The students also participate in 'Jal Dindi', a river rejuvenation project. The Institute was awarded first position in 'Kirloskar Vasundhara Green College Clean College".

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	No File Uploaded

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

82

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	No File Uploaded

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

1374

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

3202

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.4 - Feedback System

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

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://www.jspmrscoe.edu.in/details/Stakeholder">https://www.jspmrscoe.edu.in/details/Stakeholder</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://www.jspmrscoe.edu.in/details/Computer_Action_Taken_Reports">https://www.jspmrscoe.edu.in/details/Computer_Action_Taken_Reports</a>
Any additional information	<a href="#">View File</a>

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment of Students

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

1056

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

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

211

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

### 2.2 - Catering to Student Diversity

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

The institution employs a structured process to assess and support students' learning levels from the beginning of their academic journey. Initially, students are classified as slow or advanced learners based on their academic performance and results from an entry-level test conducted during the Induction Program. There are

two ways at the time of the commencement of the programme. Students enrolled in various disciplines are identified as slow and advanced learners initially based on their marks and the entry level test conducted by the institute. Second year onwards, the list of slow and advanced learners is prepared before commencement of new semester based on Previous semester Mid-Term Test, End-Term Test, Continuous assessment record, Term work and Practical exam marks. The tutors of the respective classes of UG and PG extend valid support in classifying the students with reports based on observation and class tests. This helps to design special coaching sessions or tutorial sessions to bridge the gap between the slow learners and the advanced learners. Strategies adopted for slow learners: Strategies for the advanced learners: Special Coaching classes to secure University Ranks. Advanced learners are encouraged to enroll in MOOC Courses -Swayam. Coaching classes for competitive exams. Talented students are motivated to participate in cocurricular, extra-curricular activities, exhibitions and cultural competitions.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/guidance-and-counseling">https://www.jspmrscoe.edu.in/guidance-and-counseling</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
03/07/2023	3857	197

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## 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:

**Experiential learning:** Experiential learning is an engaged learning process whereby students “learn by doing” and by

reflecting on the experience. It engages students in learning that is deep and longlasting. Objectives: 1. To understand the concepts 2.To be more creative 3.To acquire valuable experiences through students' mistakes 4.To reflect through opportunities 5.To improve attitudes of the students toward learning Project Based Learning In this, students dive into real-world problems over an extended period of time, which requires them to apply their knowledge. It focuses on problem based, project centered activities. PBL is based on re-engineering processes that bringstudents from multiple disciplines together that support collaborative, cross disciplinary, geographically distributed teamwork and learning. Students are required to collaborate with each other, use critical thinking skills. Engineering Design & Development Laboratory of RSCOE: This lab is equipped with tools like laser cutting machines, 3D printers, flexo robotic hands, micro controllers and various softwares. Evidence of success: 1. Promoting interdisciplinary skills with modern technology usage among students. 2. Ensures students learn the importance of problem solving skills. 3. Team building skills. 4. May develop entrepreneurial approach among the students which may lead to patents.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://www.jspmrscoe.edu.in/automation-and-robotics/innovation-practices">https://www.jspmrscoe.edu.in/automation-and-robotics/innovation-practices</a>

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

Institute facilitated the extensive use of ERP which helps faculties to create their own dynamic course contents that extend learning, anytime, anywhere. Our customize ERP has wide of standard and innovative features like MCQs, Questionnaire, Web link for resources, NPTEL link, Case studies, Research paper link, Subject Notes, videos can be uploaded, recorded videos. Our institute have created Youtube RSCOE Knowledge Centre where e-contents prepared for students. students are perform laboratory exercises remotely using Virtual Lab which offer online simulations and experiments. Smart Board is installed in every department. We also use online tools like Zoom, Google Classroom, Google meet, Webex to reach every learner. Students are encouraged to do NPTEL and Spoken Tutorial courses for knowledge enrichment.

ICTs have made teaching and learning interactive and collaborative instead of the traditional teacher- talking and students listening approach. Faculty members are encouraged to adopt innovative methods like video lectures and virtual labs. Student performance is monitored closely, with regular feedback provided to ensure continuous improvement.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://www.jspmrscoe.edu.in/details/2022-2023-ict">https://www.jspmrscoe.edu.in/details/2022-2023-ict</a>
Upload any additional information	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

180

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

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

The office of Dean Academics drafts Academic Calendar in line with the affiliated university's schedule. This includes critical dates for semesters, exams, holidays, and events for commencement and conclusion of term, Practical/Oral and Theory examination. It also includes different activities like tests, assignment execution, seminars, workshops, industrial visits, cultural-social-technical activities and schedule of meetings with Principal, academic coordinator and HOD. Departmental academic coordinator (DAC) is responsible for maintaining records of monthly attendance, status of syllabus completion and records of GFM activities. In each department there is a program coordinator under whom, according to specialization, modules are formed. Each module is coordinated by module coordinator. Course coordinator along with other subject

teacher prepares teaching plan, practical plan, unit wise question bank, MCQs, assignments of respective subjects. Faculty create Teaching Plans outlining learning objectives, instructional methods, and weekly schedules. The Dean Academics and IQAC periodically check attendance, course completion, and adherence to schedules. Regular review meetings ensure alignment with plans. Feedback from students and faculty helps identify deviations and potential improvements. This system helps in overall development, achievement of students which is beneficial for growth of the institute.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

197

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	No File Uploaded

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

111

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

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

15

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	No File Uploaded

## 2.5 - Evaluation Process and Reforms

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

13

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

35

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

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

Reforms initiated on Continuous Internal Evaluation (CIE) system at the institutional level. Eduplus ERP learning Management System is utilized for Continuous internal evaluation, self-evaluation of students through LMS. The institute regularly conducts, group discussions, seminars and guest lectures. Institute has transparent continuous internal evaluation system which consists

of internal assessment tests (twice in a term), re-test and evaluation of practical exercises. Students attendance is regularly updated on Eduplus ERP. During the assessment, attributes like technical ability of student communication skill, logical understanding behavior of the student, personality, ethical values and professionalism is observed and rated. The department communicates progress report of their ward to the parents to maintain the transparency. For internal evaluation, each department has test coordinator for smooth conduction of internal tests. The results of evaluation are declared within eight days. The model answers are also discussed during lecture sessions. For mistakes in examination forms, conduction of online and in semester examinations, the institute solves the issues through proper channel and helps the students regarding the same. In case of issues related to revaluation, rechecking, and photocopying of the answer books, institute helps students to resolve the problem as per university guidelines and following proper channel to solve the issues.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/examination">https://www.jspmrscoe.edu.in/examination</a>

## 2.6 - Student Performance and Learning Outcomes

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

The Programme Outcomes (POs), Course Outcomes (COs), and Programme Specific Outcomes (PSOs), are aligned with graduate attributes and are widely communicated through institute website <https://www.jspmrscoe.edu.in/> and academic documents. Every course, Course Outcomes (CO) are framed considering Blooms Taxonomy. Every outcome indicates the expected learnings at the end of the course. Each course has 3-5 course outcomes depending on its significance, mapped to the Program Outcomes Each Course Outcome is mapped to relevant POs. The relevance assigned as following numerical weights: high correlation(3), medium correlation (2), low correlation (1), and no correlation (blank). The Substantial3 corresponds to the "Significant "relevance to PO, Moderate -2 corresponds to the "reasonable relevance to PO, Slight 1 corresponds to the "slender" relevance to PO. The Course- PO's

matrices, for all courses, are framed by rounding off the average value of the mapping results for each PO. At end of each course, the COs need to be assessed and evaluated to check whether they have been attained. The Module Coordinator and Program Coordinator ensure effectiveness of the CO communication process. The institution publishes learning outcomes on its website, promoting transparency and helping students understand the competencies they are expected to develop. This comprehensive approach ensures a well-rounded educational experience and aligns with the institution's commitment to quality education.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://assessmentonline.naac.gov.in/storage/app/hei/SSR/106409/2.6.1_1728368955_16177.pdf">https://assessmentonline.naac.gov.in/storage/app/hei/SSR/106409/2.6.1_1728368955_16177.pdf</a>

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

Attainment of COs is measured by direct and indirect tools  
**Direct Method:** Direct attainment displays the student's knowledge and skills from their performance. It can be determined from the performance of the students in all the relevant assessment tools - like internal assessments, assignments, quizzes, and end semester examinations. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.  
**Indirect Method:** Indirect methods such as surveys and interviews ask the stakeholders to reflect on students' learning. They assess opinions or thoughts about the graduate's knowledge or skills. Indirect measures can provide information about graduates' perception of their learning and how this learning is valued by different stakeholders. Attainment is reported only for the intersection of CO-PO which has been mapped with level 1/2/3. Program outcomes are intended to provide general information about the focus of student learning and are broad statements of the expected learning. The process and policies for attainment are well established in Department in consultation with all stakeholders. The data collection processes for attaining the POs are based on direct and indirect tools. The attainment of the COs is linked to the attainment of the POs (Program Outcome).

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/details/attainment">https://www.jspmrscoe.edu.in/details/attainment</a>

### 2.6.3 - Pass Percentage of students

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

1106

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://www.jspmrscoe.edu.in/NAAC_CY_II_SSR_Docs/Criteria-2/2.6.2/Annual-Report-COE.pdf">https://www.jspmrscoe.edu.in/NAAC_CY_II_SSR_Docs/Criteria-2/2.6.2/Annual-Report-COE.pdf</a>

### 2.7 - Student Satisfaction Survey

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

<https://www.jspmrscoe.edu.in/details/analysis-sss-23-24>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Promotion of Research and Facilities

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

JSPM's Rajarshi Shahu College of Engineering is committed to promote research and innovation culture. Institute Focuses on socially relevant multidisciplinary applied research for socio economic development, relevant areas like Health care, smart city, defense, green earth, energy, agriculture, pollution, waste management etc.

**Research Objectives:**

- To enhance the Research & Innovation ambience in the institute.
- To encourage faculty members and students to transform their knowledge into research
- To promote research potential of faculty members with their innovative ideas.
- Generation of patents and IPRs.
- To inculcate ethics in Research& Development
- To identify research thrust areas in cutting edge technologies

**Research Initiatives Taken by the Institute:**

- Research incentive policies to encourage publications and IPR
- Organizing conferences, workshops and FDP focused on R & D submitting quality research proposals for grant.
- Pursuing consultancy work sponsored by industry.
- Guidance and sponsorship for writing patents

**Research Facilities Available at the Institute:**

1. Digital library with international and national books, journals and periodicals
2. Well-equipped research laboratory
3. Advanced equipment, high end data systems and analytical software for VLSI and Signal,Image processing
4. High speed internet facility with Wi-Fi
5. Access to Turnitin licensed plagiarism software

## 6. Expert lectures by eminent industry experts

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://www.jspmrscoe.edu.in/research-policy">https://www.jspmrscoe.edu.in/research-policy</a>
Any additional information	<a href="#">View File</a>

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

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

3.89876

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

3

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2 - Resource Mobilization for Research

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

16.55600

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.2.2 - Number of teachers having research projects during the year

1

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/NAAC_CY_II_SS_R_Docs/Criteria-3/3.2.1/13.pdf">https://www.jspmrscoe.edu.in/NAAC_CY_II_SS_R_Docs/Criteria-3/3.2.1/13.pdf</a>
List of research projects during the year	<a href="#">View File</a>

#### 3.2.3 - Number of teachers recognised as research guides

37

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

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

1

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://www.jspmrscoe.edu.in/NAAC_CY_II_SS_R_Docs/Criteria-3/3.2.1/13.pdf">https://www.jspmrscoe.edu.in/NAAC_CY_II_SS_R_Docs/Criteria-3/3.2.1/13.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

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

Rajarshi Shahu College of Engineering (RSCOE) is committed for 360 degree holistic development of students which make the students future and industry ready. All innovative practices like Indian Knowledge System (IKS), Intellectual Property Right (IPR), Incubation center etc. aims to facilitate our students for their holistic development.

At institute level various activities are carried out under the tradition of Indian knowledge.

Intellectual Property Rights (IPR): Institute is instrumental in creating awareness about the IPR, Students and faculty members are encouraged and motivated to file patents and copyrights.

Incubation centre: RSCOE Innovation and Incubation Foundation (IIF) is a Section 8 company registered in the institute. RSCOE IIF facilitate to work under various thrust areas such as agriculture and food processing , electrical vehicles, energy,

artificial intelligence and machine learning, automation & robotics, drone technology, defence, sustainability and healthcare related projects.

**Entrepreneurship:** Institute has a dedicated Entrepreneurship Development Cell (ED Cell) which is a student-run cell of spirited individuals who are striving to create, foster and promote entrepreneurship among the students of JSPMs Rajarshi Shahu College of Engineering.

**Design Thinking:** From this initiative our students focus on understanding the needs and perspectives of users to create innovative and effective solutions.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/iic">https://www.jspmrscoe.edu.in/iic</a>

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

16

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4 - Research Publications and Awards

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

**A. All of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	No File Uploaded

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

#### 3.4.2.1 - Number of PhD students registered during the year

98

File Description	Documents
URL to the research page on HEI website	<a href="https://www.jspmrscoe.edu.in/research-and-development">https://www.jspmrscoe.edu.in/research-and-development</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	No File Uploaded

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

133

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

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

93

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/NAAC_CY_II_SS_R_Docs/Criteria-3/3.4.4/list_books.pdf">https://www.jspmrscoe.edu.in/NAAC_CY_II_SS_R_Docs/Criteria-3/3.4.4/list_books.pdf</a>

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

#### 3.4.5.1 - Total number of Citations in Scopus during the year

5448

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

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

#### 3.4.6.1 - h-index of Scopus during the year

237

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.5 - Consultancy

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

26

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

19.71972

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

### 3.6 - Extension Activities

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

JSPM's Rajarshi Shahu College of Engineering is dedicated to serving society through various extension and outreach activities, including clubs & communities. These caters the technical and social aspects of society. These activities focus on areas such as health awareness, women empowerment, technology application for social upliftment etc.

The RSCOE has carried out several social services projects throughout the year under the various clubs:

National Service Scheme: - NSS, aims to develop social

responsibility among students by understanding their community, needs, problems, and involving them in problem-solving. Events under NSS include Environment and Energy Conservation, Yoga Workshop etc.

**Shashwat Club:** Eco Sustainability Club promotes environmental awareness and action among students. Events conducted such as plastic free village for health awareness, healthy diet webinar etc.

**Rotaract Club :** This club provides opportunities for personal and group activities to recognize leadership qualities and vocational responsibilities and help them in personality development.

**Young Inspirers Network (YIN) Club:** The YIN offers youth a platform for networking and collaboration, promoting personal, professional, and social development for nation transformation.

**Unnat Bharat Abhiyan :** This aims to enable higher educational institutions to work with rural India to identify development challenges and evolve appropriate solutions for accelerating sustainable growth.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cyc-le-ii/SSR-DVV-Support-Documents/cover/CRITERIA%203/3.6.1">https://www.jspmrscoe.edu.in/naac/naac-cyc-le-ii/SSR-DVV-Support-Documents/cover/CRITERIA%203/3.6.1</a>

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

6

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	No File Uploaded

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

17

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

3835

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.7 - Collaboration**

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

857

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	No File Uploaded

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

19

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

Our institution has modern classrooms, laboratories, and computing facilities to foster an optimal learning environment. The classrooms are spacious, well-ventilated, and equipped with modern teaching aids such as projectors, smart boards, and audio-visual systems to facilitate interactive and technology-enhanced learning.

The laboratories are designed with provisions for practical learning and experimentation across various disciplines. Each laboratory is equipped with modern instruments, tools, and resources to provide hands-on experience to students. Respected staff ensures the laboratories are well-maintained and aligned with industry standards. Safety protocols, including fire extinguishers, first-aid kits, and proper ventilation, are in place to provide a secure learning environment.

Our computing facilities are robust and up-to-date, featuring high-performance systems and the latest software to support academic and research activities. High-speed internet connectivity is available across the campus to encourage collaborative and independent learning. The institution also houses a dedicated computer lab with licensed software for programming, data analysis, and simulations.

Regular updates and maintenance of the infrastructure ensure that students and faculty have access to the best resources to achieve academic excellence. These facilities reflect our commitment to providing a holistic and technologically advanced educational experience.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.1.1">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.1.1</a>

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

The institute aims for overall development of the students through participation in co-curricular activities and extra-curricular activities which include indoor & outdoor games. These activities bring different qualities in students such as leadership, team spirit and competitiveness in various competitions. The campus provides extensive facilities for indoor games such as table tennis, chess, and carrom, and outdoor sports like cricket, football, basketball, and athletics.

The sport in charge identifies students, trains them & sends them to participate in University or national-level competition. The institute has assigned some space for Yoga and Meditation for mindfulness and physical well-being through regular yoga and meditation sessions. A well-equipped auditorium serves as the hub for cultural events, seminars, and workshops, fostering creativity and expression among students. Cultural activities are further enriched through dedicated spaces for rehearsals and events, enabling students to showcase their talents in music, dance, drama, and art.

These facilities not only useful to develop the physical and creative needs of the students but also foster teamwork, discipline, and leadership qualities, ensuring a vibrant and inclusive campus life. The emphasis on such diverse activities reflects the institution's commitment to nurturing well-rounded individuals.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cyc-le-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.1.1">https://www.jspmrscoe.edu.in/naac/naac-cyc-le-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.1.1</a>

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

47

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

2184.55

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded

## 4.2 - Library as a Learning Resource

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

JSPM's Rajarshi Shahu College of Engineering Library is partially automated using AUTOLIB NG Version Integrated Library Management System (ILMS) Library had purchased software in 2011 from Akash Infotech, Pune. Autolib software is integrated multi-user, multi-tasking, user friendly software. All books are barcodes generated through AutoLib Software. Acquisition, cataloguing, circulation,

serial control, OPAC, Reports are the modules which support library staff to maintain Library services. It is upgraded with Web OPAC Version in 2015 which is the Online Public Access Catalogue. which allows users to avail the services of the library using the internet.

Circulation: With the help of this module, books can be circulated quickly with barcodes, auto overdue reminders can be forwarded, reservations can be handled easily. Penalty records can be maintained in a good manner.

On-line Public Access Catalogue (OPAC): Library users can access the available library books easily with simple search and boolean search.

Catalogue: This module is helpful to catalogue books etc.

Serial Control: Master database can be created for individual journals; journal issues received can be entered.

Report Generation: Different reports like Purchase list, Accession Register, Library Status, Issue List, Overdue Books List, Circulation Statistics, Frequently issued books, Issue/Return Summary, Titles/Volumes Summary etc.

Acquisition: This module supports the entire process of book procurement .

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cyc1e-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.2.1">https://www.jspmrscoe.edu.in/naac/naac-cyc1e-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.2.1</a>

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

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

69.72

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

#### 4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

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

10

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

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

The JSPM's Rajarshi shahu college of engineering has IT policy establishes a secure, efficient, and ethical framework for technology usage, ensuring all infrastructure—hardware, software, and networks, firewall— is used responsibly and in line with institutional goals, the college IT policy ensures a safe, effective, and moral foundation for technology use. The policy prioritizes data integrity and confidentiality, mandating strict adherence to privacy standards when handling sensitive information

such as student records or financial data. Best firewalls are used by college to prevent virus attacks.

Access to the ERP system is role-specific, with sharing credentials or unauthorized access strictly prohibited. Before hardware installation, compliance with the rules outlined in the policy is required. The college network is designated primarily for academic, research, and administrative purposes, prohibiting activities that disrupt these functions, such as excessive streaming or gaming.

College-issued email accounts are reserved exclusively for academic, research, and official communication, with personal business, marketing, or unauthorized external use strictly forbidden. Social media accounts representing the institution must be pre-approved and managed by authorized personnel to ensure consistent messaging that reflects the college's values and mission. Additionally, all website content must comply with copyright laws and intellectual property regulations, maintaining the institution's commitment to ethical practices and legal standards.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/details/link-4-3-1">https://www.jspmrscoe.edu.in/details/link-4-3-1</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4030	1246

File Description	Documents
Upload any additional information	<a href="#">View File</a>

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

A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**4.3.4 - Institution has facilities for e-content development:** **A. All four of the above Facilities available for e-content development**  
**Media Centre**  
**Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.3.3">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.3.3</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

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

**801.12**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

To ensure effective use and upkeep, institutions establish systematic procedures for maintaining and utilizing physical, academic, and support facilities. Routine maintenance for infrastructure, including classrooms, laboratories, and utilities, is scheduled periodically. Repairs for damages are addressed promptly based on reported complaints through designated channels.

Cleanliness and safety measures are implemented for a conducive environment. Scheduled maintenance for CNC systems, laboratory equipment, air conditioners, and water coolers twice a year, at the start of each semester. Staff report issues via intranet. Maintenance personnel inspect and respond. If parts replacement is needed, procurement follows the institute's purchase procedure. Maintenance requests are submitted by RSCOE employees via the intranet in a prescribed format. When there is any repair with wood material / iron material it is sent to workshop( In House) for repair. Also for gymnasium repair first its sent to workshop, still not resolved then external agency is called for the same. For working out day to work elecricity supply is must, dedicated backup supply of electricity and the electricity support team is there for managing it. Further more if still issue is unsolved an external agency is called for resolving it. The output includes records of both pending and completed maintenance tasks, ensuring transparency and accountability in the system.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cyc1e-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.4.2">https://www.jspmrscoe.edu.in/naac/naac-cyc1e-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.4.2</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

2782

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

44

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

**A. All of the above**

File Description	Documents
Link to Institutional website	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%205/5.1.3">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%205/5.1.3</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

**565**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

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

**A. All of the above**

**submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.2 - Student Progression

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

532

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of outgoing students progressing to higher education

27

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

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

**government examinations) during the year**

46

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

66

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

The establishment of student councils plays an integral and important role in the student community. Student councils provide a representative structure through which students can debate issues of concern and undertake initiatives of benefit to the college and the wider community. Students have a voice and a contribution to make to their college. It is important that they be given the opportunity to express their views on issues of concern to them in the college. It is equally important that they are listened to and encouraged to take an active part in promoting the aims and objectives of the college. The guidelines mentioned in this manual are intended to provide practical guidance to student council members in the establishment and operation of the student council.

The following are the various academic and administrative bodies:

- Student Council
- IQAC, DAB, Focus group
- All Student Chapters
- Anti-ragging Committee
- Hostel committee

- NSS (National Service Scheme)
- Departmental Students Associations
- Earn and Learn Scheme of SPPU
- Research and development Cell Cultural & Extra-co-curricular activity
- Each department has appointed student Welfare coordinator,
- Sports coordinator and Cultural coordinator.
- Dedicated infrastructure is available where the students carry out their practice related to different activities/events.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/non-statutory-committee">https://www.jspmrscoe.edu.in/non-statutory-committee</a>

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

28

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

## 5.4 - Alumni Engagement

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

The objective of the Alumni Association of RSCOE is to reach, engage and serve all alumni & present students by networking with one another to foster a lifelong intellectual and emotional connection between the institute and its graduates. The alumni association of RSCOE has technocrats, leaders, entrepreneurs, researchers, and global managers. Our alumni are instrumental in enhancing the Institute's fame locally and globally. The Institute's participative culture always ensured that alumni are encouraged to stay connected with their alma-mater and inspire and motivate current students. RSCOE has partnered with Univibe

Network to provide its Alumni with a comprehensive tool for networking amongst alumni, faculty & other members of the institute. A platform that provides you access to the vast network of RSCOE alumni working in reputed organizations worldwide. The active network and collaboration with alumni help the institute in overall development in the following ways:

- Registered Alumni association
- Alumni meeting is organized every year
- Alumni are informally part of the teaching-learning process through expert lectures, project guides, and organizing industrial visits.
- Alumni are in communication with the institute through Social networking sites like Facebook, WhatsApp, and Google drive-chat.

Registration: MH/365/2007 dated 06/03/2007

Number of Alumni-Meets held: 02

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/alumni-testimonials">https://www.jspmrscoe.edu.in/alumni-testimonials</a>

**5.4.2 - Alumni's financial contribution during the year** C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

The institute's mission statement delineates its unique qualities in terms of addressing societal needs and aligning its vision and mission with higher education objectives. The embodiment of these

in the institute's leadership ensures:

**Policy statements and action plans:** The management and director actively engage in the Governing Body (GB) and Local Management Committee/Central Disciplinary Committee (LMC/CDC) to ensure alignment of policy statements and action plans with the institute's vision and mission. Action plans are collaboratively devised with faculty input.

1. **Formulation of action plans:** Under the Director's leadership, action plans are crafted in accordance with quality policies and integrated into strategic plans for effective execution.
2. **Stakeholder interaction:** The Director ensures the involvement of all stakeholders in various activities.
3. **Support for policy and planning:** The Director gathers societal requirements for policymaking and planning through stakeholder interactions.
4. **Cultivating a culture of excellence:** The institute promotes an ethos of excellence by keeping its vision, mission, short and long-term goals, and quality policies transparent to all stakeholders. Necessary training is provided to faculty and supporting staff for their development, fostering team building and teamwork to cultivate a healthy work culture. Teacher participation is facilitated through participative management, involving them in various decision-making processes.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/details/organisation-chart">https://www.jspmrscoe.edu.in/details/organisation-chart</a>

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

The institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards a decentralized governance system.

1. **Director Level:** The Governing Body delegated all academic and operational decisions based on policy to the Academic Monitoring Committee headed by the Director in order to

fulfill the vision and mission of the institute. The Academic Monitoring Committee formulates common working procedures and entrusts their implementation to the faculty members.

2. **Faculty Level:** faculty members are given representation in various committees or cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co- curricular, and extracurricular activities. They are given authority to conduct industrial tours, tie up with industry experts, and be appointed as coordinators and conveners for organizing seminars, workshops, conferences, and FDPs. For effective implementation and improvement of the institute, committees are formed: Other units of the institute, like sports, libraries, stores, etc., have operational autonomy under the guidance of the various committees and cells.
3. **Student Level:** Students are empowered to play an active role as coordinators of co-curricular and extra-curricular activities and social service group coordinators.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/details/strategic-development-plan">https://www.jspmrscoe.edu.in/details/strategic-development-plan</a>

## 6.2 - Strategy Development and Deployment

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

JSPM's Rajarshi Shahu College of Engineering's "RSCOE: Vision 2025" strategic plan is designed to drive inclusive excellence with defined goals. To ensure effective execution, the Institute Quality Assurance Cell (IQAC) formed a subcommittee to create the Strategic Development Plan (SDP) "RSCOE: Vision 2025". This plan stems from a thorough Strengths, Weaknesses, Opportunities, and Challenges (SWOC) analysis, offering insights into internal and external landscapes.

The strategic goals cover essential aspects for growth:

**Effective Governance: Establishing strong operational structures.**

**Academic Excellence through Outcome-Based Education: Prioritizing student outcomes like subject knowledge and industry skills.**

**Sustainable Infrastructure: Ensuring long-term growth with robust facilities.**

**Enrichment of Human Resources: Developing faculty and staff capabilities.**

**Student Progression through Holistic Education: Providing well-rounded education.**

**Empowering Minds through Research and Innovation: Encouraging a culture of exploration.**

**Collaboration and Excellence: Forming partnerships with institutions and industries.**

**Community Outreach: Engaging with the community for societal impact.**

**Building the 'Brand RSCOE': Establishing a strong identity.**

**Focused on Academic Excellence through Outcome-Based Education, the institute partnered with institutions like IIT Ropar and industries such as TCS, Veritas, KPIT, and Persistent Ltd. The curriculum integrates problem-based learning (PBL) and hands-on experiences. This approach fosters creativity, innovation, and industry readiness among students.**

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/details/strategic-development-plan">https://www.jspmrscoe.edu.in/details/strategic-development-plan</a>
Upload any additional information	No File Uploaded

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

**The governance of the institute indicates the formal and informal**

arrangements that allow us to make decisions and take action.

Governance overlaps considerably with management, which is seen as the effective implementation and execution of policies. Objectives are set to promote good governance across a wide variety of situations at the institute, considering major principles such as academic freedom, shared governance, clear rights and responsibilities, meritocratic selection, financial stability, accountability, team building, and transparency. All posts of dean have been created in the academic year 2019-20 as the institute became autonomous. All the administrators have more than 15 years of working teaching experience in university-affiliated institutes. RSCOE typically works as "a well-oiled machine," where all will look at the administrative hierarchy for decision-making. Being new to an autonomous institute environment, the demarcation of each administrative post's 'key responsible area' is thinly defined.

Though many of Dean's posts have been created, they are complimenting each other in the present situation. Decentralization of administration with clear-cut roles, responsibilities, and accountability will allow the institution to make significant strides toward realizing the goals of better administration. The institute has defined roles, responsibilities, objectives, set of targets, and goals—which have to be identified by members.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://www.jspmrscoe.edu.in/details/organisation-chart">https://www.jspmrscoe.edu.in/details/organisation-chart</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/details/service-rules">https://www.jspmrscoe.edu.in/details/service-rules</a>

**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	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	No File Uploaded

### 6.3 - Faculty Empowerment Strategies

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

The institution prioritizes staff welfare with measures like a Group Insurance Scheme for financial security, Study Leaves for advanced education, reimbursement for conferences, Faculty Development Programs (FDP), Short Term Training Programs (STTP), and workshops to support professional growth.

Flexible leave options, including casual, medical, and earned leaves, cater to personal needs, ensuring a healthy work-life balance. The six-month maternity leave for female staff demonstrates a commitment to gender equality and support for new mothers.

Provident Fund benefits and gratuity offer long-term financial stability, complemented by fee concessions for staff members' children in associated schools, aiding in their education. The provision of salary advances during urgent financial needs showcases understanding and support for staff members' well-being.

A Women Empowerment Cell supports female staff, recognizing and addressing their unique needs. Centralized reprography (Xerox) facilities ease administrative burdens, while free internet and Wi-Fi access on campus enhance productivity.

Summer and winter vacations ensure faculty members have time for rest and rejuvenation. Sports and cultural facilities promote holistic well-being and community engagement. Multicultural celebrations of festivals foster inclusivity and a sense of belonging among staff. These initiatives collectively create a workplace where staff feel valued, supported, and motivated to excel.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/details/service-rules">https://www.jspmrscoe.edu.in/details/service-rules</a>

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

142

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

5

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

163

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

### 6.4.1 - Institution conducts internal and external financial audits regularly

Our institute maintains a rigorous financial oversight system through regular internal and external audits. Since its inception, we have employed a full-time Treasurer and Accounts Department dedicated to managing annual accounts and audits.

**External Audit:** External audits are conducted by chartered accountants affiliated with the JSPM Group. These audits ensure comprehensive scrutiny of our financial records and adherence to regulatory standards.

**Internal Audit:** Internal audits are conducted by an accounts officer within the institute. This includes a statutory audit covering all financial and accounting activities. The audit scrutinizes all incoming funds from fees, donations, grants, interest earnings, investment returns, and outgoing payments to staff, vendors, contractors, students, and service providers.

Our institute's-chartered accountant performs regular audits and certifies our annual financial statements. Additionally, all utilization certificates provided to grant-giving agencies are countersigned by the chartered accountant. All financial statements up to the 2023-24 fiscal year have received certification.

Internal audit responsibilities are managed by the institute's internal auditor. They pre-check salary adjustments, pension and gratuity disbursements, and final payments of the Employee Provident Fund (EPF). Any expenses exceeding budget proposals require special sanction from the governing body to ensure financial prudence and accountability.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/details/audit-ed-report-2023-24">https://www.jspmrscoe.edu.in/details/audit-ed-report-2023-24</a>

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

19.16

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

The institute employs various strategies to mobilize funds and ensure optimal resource utilization:

1. **Student Fees:** The primary revenue source is the annual fees collected from students, adhering to state fee regulatory guidelines. These fees are deposited into fixed deposits and withdrawn as needed.

2. **Sponsored Projects:** Grants are obtained through sponsored projects from organizations such as AICTE, SPPU, DST, UGC, and industries. These funds support infrastructure development,

learning resource upgrades, faculty and student training, and research activities, including conference grants.

3. **Consulting Services:** The institution generates funds through the consulting services it offers.

4. **Budget Preparation:** Budget estimations are collected and used to prepare budgets. These budgets undergo review and approval by the finance committee and governing body.

5. **Operational Expenses:** Funds are allocated to cover day-to-day operational and administrative expenses, as well as maintenance of fixed assets.

6. **Laboratory Equipment:** Funds are allocated for the purchase of advanced laboratory equipment to support faculty and student research interests.

7. **Library Enhancement:** Adequate funds are provided annually to enhance library facilities, facilitating innovative learning practices.

8. **Teaching-Learning Practices:** Funds are allocated for effective teaching-learning practices, including Faculty Development Programs, workshops, interdisciplinary activities, and training programs, ensuring quality education delivery.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/details/audit-ed-report-2023-24">https://www.jspmrscoe.edu.in/details/audit-ed-report-2023-24</a>

## 6.5 - Internal Quality Assurance System

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

**Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)**

The Internal Quality Assurance Cell (IQAC) is comprised of the institution's head, department heads, faculty representatives, senior administrative officers, management members, local society nominees, alumni representatives, students, parents, and employers. Being a pivotal policy-making and implementing body, IQAC interacts with institution staff through regular meetings at different levels.

In order to enhance the teaching-learning process, IQAC, in collaboration with institute administration, collects stakeholder

feedback. The institute conducts regular training sessions for staff and faculty to ensure the implementation of quality procedures. IQAC actively promotes outcome-based education in teaching and learning practices and monitors activities according to the academic calendar through a multi-level monitoring system.

During IQAC meetings, quality benchmarks and parameters are established, and execution processes for various academic and administrative activities are defined. IQAC fosters a learner-centric environment conducive to quality education.

To maintain and enhance educational quality, the institute conducts annual academic audits of departments and committees through IQAC. Both internal and external academic audit committees are established for this purpose, ensuring effective quality education delivery

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/achievement">https://www.jspmrscoe.edu.in/achievement</a>

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

The Institutional Quality Assurance Cell (IQAC) ensures a culture of quality as its top priority by institutionalizing and internalizing initiatives with internal and external support. IQAC fosters a learner-centric environment conducive to quality education and supports faculty development to adopt the necessary knowledge and technology for effective teaching and learning.

As a central coordinating body for quality-related activities, IQAC undertakes various initiatives, including:

1. Conducting external administrative and academic audits.
2. Implementing outcome-based learning education in all programs.
3. Promoting industrial involvement through activities such as training, visits, workshops, MOUs and guest lectures.
4. Organizing quality programs like seminars, webinars, guest lectures, and conferences.

5. Enhancing the use of ICT tools for teaching and learning.
6. Introducing employability skill development courses for students.
7. Participating in quality audits recognized by state, national, and international agencies such as NIRF, ARIIA, NBA, and AISHE.
8. Establishing the Institute Innovation Council under MHRD.
9. Setting up a research and development cell to promote research activities.
10. Implementing processes to gather feedback and conduct surveys from various stakeholders.
11. Establishing and effectively implementing the mentor-mentee process.
12. Institutionalizing efforts to create a ragging-free campus and fostering student discipline, including establishing a grievance redressal cell.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://jspmrscoe.edu.in/igac">https://jspmrscoe.edu.in/igac</a>

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

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://jspmrscoe.edu.in/naac/naac-cycle-i/SSR-DVV-Support-Documents/CRITERIA%206/6.5.3">https://jspmrscoe.edu.in/naac/naac-cycle-i/SSR-DVV-Support-Documents/CRITERIA%206/6.5.3</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 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

Rajarshi Shahu College of Engineering (RSCOE), Tathawade, Pune, actively fosters gender equity in academics and extracurricular activities through gender-sensitive practices. Various committees and clubs ensure equal opportunities for male and female students and staff. During the induction program, students are introduced to these committees, including the Anti-Sexual Harassment Committee (Vishakha Cell), Grievance Committee, Student Welfare Committee, and Extra-Curricular Committee, which address concerns, complaints, and disputes. An online grievance redressal system is available at <https://www.jspmrscoe.edu/grievance>.

The Vishakha Cell works to prevent harassment and safeguard women's rights, while initiatives like "Nirbhaya Kanya Abhiyan" focus on developing confidence and personality in women. Leadership roles are actively filled by women, who are encouraged to engage in research, higher education, and extracurricular activities. Equal opportunities are provided to all students for national-level events and career advancement.

Gender sensitization programs, self-defense workshops, and sessions on legal rights are regularly conducted. The campus ensures safety with 24/7 CCTV surveillance, security checks, and dedicated facilities like separate hostels, washrooms, a medical center, and ambulance services. Events like "INNOVISION" and "GANDHARVA" celebrate gender equality, fostering a dynamic, inclusive, and socially responsible campus environment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cyc1e-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.1.1">https://www.jspmrscoe.edu.in/naac/naac-cyc1e-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.1.1</a>

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

**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

JSPM's RSCOE incorporates several techniques for the management of degradable and non-degradable waste.

For solid waste management separate bins for dry & wet waste are placed at different places in college. Every day the waste has been collected from college premises by housekeeping personnel and dumped to the municipality garbage collecting van for disposal.

RSCOE has a biogas plant where the degradable waste from the canteen is collected & converted to biogas. The biomedical waste like Sanitary Pads is non degradable & very harmful to the environment. A disposal machine is placed in every lady's washroom for female students & faculty of the college. The liquid waste from bathrooms is collected separately and given to trees in the college garden. Thus, waste water harvesting is implemented.

E-waste management drives have been organized by RSCOE for creating awareness among students. E-waste is collected centrally and sent to the recycling vendor per semester. Scripted answer sheets and old papers are sent to vendors for pulping thus waste paper is recycled.

The strong chemicals in the chemistry lab are stored in the Sand bath & for safe handling hand gloves & goggles are used. The hazardous radioactive waste is not generated in RSCOE.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:** A. Any 4 or All of the above

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

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

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

**7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:**

**A. Any 4 or all of the above**

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**A. Any 4 or all of the above**

**reader, scribe, soft copies of reading materials, screen reading, etc.**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

JSPM's Rajarshi Shahu College of Engineering, Pune (RSCOE, Pune) fosters an inclusive environment by embracing diversity through policies, programs, and community engagement.

**Institutional Commitment to Diversity:** RSCOE has clear policies promoting anti-discrimination, equal opportunities, and respect. Dedicated committees implement and monitor diversity initiatives, ensuring continuous improvement.

**Educational Programs:** Courses like Universal Human Values educate students on cultures, perspectives, and social issues, fostering inclusivity.

**Clubs and Cultural Events:** Various departmental clubs organize socially driven initiatives like blood donation camps, tree plantations, and road safety programs. Traditional Day and other cultural events celebrate diversity, promoting cross-cultural understanding.

**Recruitment and Retention:** Strategies to ensure diverse faculty, staff, and socio-economically diverse students include outreach programs, inclusive hiring, and workplace culture development.

**Community Engagement:** NSS and clubs conduct camps in remote areas, promoting social awareness and economic development, emphasizing equality and service.

**E-Cell:** RSCOE's E-Cell supports entrepreneurship by connecting

students with resources, funding opportunities, and expert guidance, encouraging them to contribute to the country's economic growth.

Through these efforts, RSCOE Pune actively promotes tolerance, harmony, and inclusivity.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

Rajarshi Shahu College of Engineering (RSCOE) integrates various curricular and extracurricular activities to foster a culture of responsible citizenship and deepen appreciation for constitutional values, rights, duties, and responsibilities. These efforts inspire students and staff to contribute to societal and national betterment.

#### Awareness Through Diverse Initiatives

RSCOE embeds constitutional values into academic and extracurricular programs. Clubs like Shaashwat, NSS, Rotaract, and Sambhav drive these initiatives. The Shaashwat Club promotes ecological and social responsibility through activities like food and clothing donations, River Renovation Camps, and Helmet Awareness drives

#### NSS, UBA, and Rotaract Contributions

NSS, Unnat Bharat Abhiyan, and Rotaract Club nurture civic engagement and social responsibility. NSS organizes eye checkups, women empowerment programs, tree plantations, and anti-corruption rallies, cultivating empathy and societal commitment. Events like Har Ghar Tiranga and Meri Mati Mera Desh instill national pride, while blood donation camps emphasize societal contribution.

#### Environmental and Civic Consciousness

Programs like Run for Diabetes and Swachhata Abhiyan highlight environmental sustainability and health awareness. Republic,

Independence, and Constitution Day celebrations reinforce civic values.

Aligned with NEP, RSCOE introduced "Universal Human Values and Ethics" in 2023-24, emphasizing human values. This holistic approach equips students to contribute positively to society.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

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

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

The institution actively celebrates international and national commemorative days, events, and festivals to foster harmony, enrich campus culture, and instill pride in the nation's rich heritage. Annual celebrations of National Festivals like

Independence Day (15th August) and Republic Day (26th January) begin with the flag hoisting, followed by the National Anthem and patriotic songs. The NSS unit of Rajarshi Shahu College of Engineering organizes impactful initiatives like "Har Ghar Tiranga" and "Meri Mati, Mera Desh" to promote unity and community development.

Teacher's Day is celebrated on September 5th in honor of Dr. S. Radhakrishnan, with eminent educationists and teachers invited to deliver inspiring speeches. Other commemorations include National Unity Day/Week, the birth anniversaries of Savitribai Phule, Shivaji Maharaj Jayanti, and Rajarshi Shahu Jayanti. The institute also conducts notable activities such as the Maha Blood Donation Camp, Swachhata Abhiyan, International Yoga Day, and the Rajyabhishek Sohala of Chhatrapati Shivaji Maharaj.

By organizing and participating in these events, the institution cultivates a vibrant, inclusive campus atmosphere that celebrates diversity, raises awareness, and encourages positive social change, contributing to the holistic development of students and staff.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

### 1. Title of the Best Practice: Employability Enhancement through Industry Internship and Trainings

**The Context:** Rajarshi Shahu College of Engineering (RSCOE) offers robust internship and training programs to enhance student employability. These include aptitude tests, group discussions, interviews, and presentation skills, with regular online assessments via platforms like MNC campus connects and Skill Rack. Starting in the sixth semester, students receive guidance on

aptitude preparation, resume building, programming, language, and soft skills through professional institutes and senior students.

**Objectives:**

- Develop industry-relevant skills.
- Bridge the gap between theory and practice.
- Enhance employability and job readiness.
- Foster problem-solving, critical thinking, and career planning.
- Support innovation and entrepreneurship.

**2. Title of the Best Practice: Product Design and Development Practices for Enhancing Students Interdisciplinary Skills**

The Context: Product design and development play a vital role in addressing complex challenges by creating innovative, user-focused solutions. These processes align with industry standards and practical needs.

**Objectives:**

- Equip students to identify and solve complex engineering problems.
- Encourage novel solutions to real-world challenges.
- Foster teamwork and collaboration.
- Bridge the gap between theory and practical application.
- Develop technical and soft skills essential for success.
- Promote research and development to advance engineering and technology.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.jspmrscoe.edu.in/naac/naac-cyc_1e-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.2.1">https://www.jspmrscoe.edu.in/naac/naac-cyc_1e-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.2.1</a>
Any other relevant information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cyc_1e-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.2.1">https://www.jspmrscoe.edu.in/naac/naac-cyc_1e-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.2.1</a>

**7.3 - Institutional Distinctiveness**

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

Pune, known as "The City of Dreams," is a hub of education with over 40 engineering institutions. Among these, Rajarshi Shahu College of Engineering (RSCOE) stands out for its Institutions Innovation Council (IIC), Innovation and Incubation Foundation (IIF), and state-of-the-art infrastructure.

**Institutions Innovation Council (IIC):** Launched by the Ministry of Education and AICTE in 2018, IIC fosters innovation and a startup ecosystem in higher education. RSCOE actively conducts programs under this initiative.

**Innovation and Incubation Foundation (IIF):** Established on April 20, 2022, as a Section 8 company, IIF promotes innovation and entrepreneurship among students and faculty. The incubation process includes idea generation, IP facilitation, prototyping, and scaling startups through mentorship and resources.

**Infrastructure Highlights:**

1. **JANATICS Centre for Innovation in Smart Factory:** Features a 6-axis COBOT trainer kit and a modular manufacturing system aligned with Industry 4.0.
2. **TATA Automation Centre of Excellence:** Focuses on robotics, automation, IoT, ML, and AI in collaboration with TAL and India First Robotics.
3. **Apple Laboratory:** Equipped with 30 iMAC systems supporting Java, Swift, Python, and Eclipse for programming and development.

RSCOE continues to excel in nurturing innovation and bridging the gap between education and industry.

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

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

JSPM's RSCOE is an Empowered Autonomous Institute recognized by SPPU. To promote the vision and mission, the curriculum of all programs is supported by renowned academic institutes and industries viz: IITRopar, TCS, KPIT, Veritas, Bentley, Janatics and TATA Automation. This collaboration holds the key to nurturing innovative and highly skilled individuals. The members of the various committees viz: Academic Council, Board of Studies are experts from industry and academia. The committee periodically evaluate and recommend changes which ensure that our graduating engineers can compete on a global platform. The Institute follows the philosophy of OBE and there is a structured process to frame and evaluate the attainment of the POs, PSOs, and COs. The effective implementation of the OBE is reflected by the fact that all our undergraduate programs have been accredited by NBA since 2012 and postgraduate programmes (Civil, Mechanical) in 2023. The curriculum incorporates advanced discipline knowledge, modern skills, and their applications while remaining flexible, dynamic, and responsive to changing demands. Students have an option of Honors. Students also participate in Hackathons and Community Projects which allow them to work on local, national and global challenges. The Curriculum has incorporated NEP2020 to prepare graduates who are skilled, innovative and possess ethical values.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://www.jspmrscoe.edu.in/details/CO-PO-PSO1">https://www.jspmrscoe.edu.in/details/CO-PO-PSO1</a>

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

12

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

246

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

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

123

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

14

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

**Professional Ethics:** Courses like Professional Practices in Civil Engineering, Employment Skill Development, Business Management, Web Technology, Human Values and Ethics, Human Resources Management, and Entrepreneurship Development are introduced in the curriculum. All the post-graduate courses have incorporated Research Methodology as a mandatory course.

**Gender:** The institute promotes gender sensitivity, equality, and inclusivity, empowering students to challenge stereotypes and foster a culture of respect and empathy. Same dress code is prescribed for both genders and equal opportunities are given for participation in student council, placement opportunities, co-curricular activities.

**Human Values:** A compulsory course on 'Human Values and Ethics' is offered for all Programs in the undergraduate level. The Institute regularly hosts National Level Workshop on 'Universal Human Values' under AICTE.

**Environmental-and-Sustainability:** There is a compulsory course on Environmental Studies in the curriculum. Electives such as Air Pollution and Control, Green and Sustainable Building Technology, Wind and Solar Energy, Energy Audit & Management prepare students for emerging environmental challenges. The Institute has received a grant for the research "Long lasting Dhoop batti"/Insects repellent from Organic Solid Waste through UBA. The students also participate in 'Jal Dindi', a river rejuvenation project. The Institute was awarded first position in 'Kirloskar Vasundhara Green College Clean College'.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	No File Uploaded

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

82

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	No File Uploaded

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

1374

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

3202

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.4 - Feedback System

<b>1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni</b>	<b>A. All 4 of the above</b>
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File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://www.jspmrscoe.edu.in/details/Stakeholder">https://www.jspmrscoe.edu.in/details/Stakeholder</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

<b>1.4.2 - The feedback system of the Institution comprises the following</b>	<b>A. Feedback collected, analysed and action taken made available on the website</b>
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File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://www.jspmrscoe.edu.in/details/Computer Action Taken Reports">https://www.jspmrscoe.edu.in/details/Computer Action Taken Reports</a>
Any additional information	<a href="#">View File</a>

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment of Students

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

1056

File Description	Documents
Any additional information	<b>No File Uploaded</b>
Institutional data in prescribed format	<a href="#">View File</a>

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

211

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

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

The institution employs a structured process to assess and support students' learning levels from the beginning of their academic journey. Initially, students are classified as slow or advanced learners based on their academic performance and results from an entry-level test conducted during the Induction Program. There are two ways at the time of the commencement of the programme. Students enrolled in various disciplines are identified as slow and advanced learners initially based on their marks and the entry level test conducted by the institute. Second year onwards, the list of slow and advanced learners is prepared before commencement of new semester based on Previous semester Mid-Term Test, End-Term Test, Continuous assessment record, Term work and Practical exam marks. The tutors of the respective classes of UG and PG extend valid support in classifying the students with reports based on observation and class tests. This helps to design special coaching sessions or tutorial sessions to bridge the gap between the slow learners and the advanced learners. Strategies adopted for slow learners: Special Coaching classes to secure University Ranks. Advanced learners are encouraged to enroll in MOOC Courses -Swayam. Coaching classes for competitive exams. Talented students are motivated to participate in cocurricular, extra-curricular activities, exhibitions and cultural competitions.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/guidance-and-counseling">https://www.jspmrscoe.edu.in/guidance-and-counseling</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
03/07/2023	3857	197

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 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:

**Experiential learning:** Experiential learning is an engaged learning process whereby students “learn by doing” and by reflecting on the experience. It engages students in learning that is deep and longlasting. Objectives: 1. To understand the concepts 2.To be more creative 3.To acquire valuable experiences through students’ mistakes 4.To reflect through opportunities 5.To improve attitudes of the students toward learning Project Based Learning In this, students dive into real-world problems over an extended period of time, which requires them to apply their knowledge. It focuses on problem based, project centered activities. PBL is based on re-engineering processes that bringstudents from multiple disciplines together that support collaborative, cross disciplinary, geographically distributed teamwork and learning. Students are required to collaborate with each other, use critical thinking skills. Engineering Design & Development Laboratory of RSCOE: This lab is equipped with tools like laser cutting machines, 3D printers, flexo robotic hands, micro controllers and various softwares. Evidence of success: 1. Promoting interdisciplinary skills with modern technology usage among students. 2. Ensures students learn the importance of problem solving skills. 3. Team building skills. 4. May develop entrepreneurial approach among the students which may lead to

**patents .**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://www.jspmrscoe.edu.in/automation-and-robotics/innovation-practices">https://www.jspmrscoe.edu.in/automation-and-robotics/innovation-practices</a>

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

Institute facilitated the extensive use of ERP which helps faculties to create their own dynamic course contents that extend learning, anytime, anywhere. Our customize ERP has wide of standard and innovative features like MCQs, Questionnaire, Web link for resources, NPTEL link, Case studies, Research paper link, Subject Notes, videos can be uploaded, recorded videos. Our institute have created Youtube RSCOE Knowledge Centre where e-contents prepared for students. students are perform laboratory exercises remotely using Virtual Lab which offer online simulations and experiments. Smart Board is installed in every department. We also use online tools like Zoom, Google Classroom, Google meet, Webex to reach every learner. Students are encouraged to do NPTEL and Spoken Tutorial courses for knowledge enrichment. ICTs have made teaching and learning interactive and collaborative instead of the traditional teacher- talking and students listening approach. Faculty members are encouraged to adopt innovative methods like video lectures and virtual labs. Student performance is monitored closely, with regular feedback provided to ensure continuous improvement.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://www.jspmrscoe.edu.in/details/2022-2023-ict">https://www.jspmrscoe.edu.in/details/2022-2023-ict</a>
Upload any additional information	<a href="#">View File</a>

**2.3.3 - Ratio of students to mentor for academic and other related issues****2.3.3.1 - Number of mentors**

180

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

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

The office of Dean Academics drafts Academic Calendar in line with the affiliated university's schedule. This includes critical dates for semesters, exams, holidays, and events for commencement and conclusion of term, Practical/Oral and Theory examination. It also includes different activities like tests, assignment execution, seminars, workshops, industrial visits, cultural-social-technical activities and schedule of meetings with Principal, academic coordinator and HOD. Departmental academic coordinator (DAC) is responsible for maintaining records of monthly attendance, status of syllabus completion and records of GFM activities. In each department there is a program coordinator under whom, according to specialization, modules are formed. Each module is coordinated by module coordinator. Course coordinator along with other subject teacher prepares teaching plan, practical plan, unit wise question bank, MCQs, assignments of respective subjects. Faculty create Teaching Plans outlining learning objectives, instructional methods, and weekly schedules. The Dean Academics and IQAC periodically check attendance, course completion, and adherence to schedules. Regular review meetings ensure alignment with plans. Feedback from students and faculty helps identify deviations and potential improvements. This system helps in overall development, achievement of students which is beneficial for growth of the institute.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

**2.4 - Teacher Profile and Quality****2.4.1 - Number of full-time teachers against sanctioned posts during the year**

197

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	No File Uploaded

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

111

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

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

15

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	No File Uploaded

**2.5 - Evaluation Process and Reforms****2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

13

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

35

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

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

Reforms initiated on Continuous Internal Evaluation (CIE) system at the institutional level. Eduplus ERP learning Management System is utilized for Continuous internal evaluation, self-evaluation of students through LMS. The institute regularly conducts, group discussions, seminars and guest lectures. Institute has transparent continuous internal evaluation system which consists of internal assessment tests (twice in a term), re-test and evaluation of practical exercises. Students attendance is regularly updated on Eduplus ERP. During the assessment, attributes like technical ability of student communication skill, logical understanding behavior of the student, personality, ethical values and professionalism is observed and rated. The department communicates progress report of their ward to the parents to maintain the transparency. For internal evaluation, each department has test coordinator for smooth conduction of internal tests. The results of evaluation are declared within eight days. The model answers are also discussed during lecture sessions. For mistakes in examination forms, conduction of online and in

semester examinations, the institute solves the issues through proper channel and helps the students regarding the same. In case of issues related to revaluation, rechecking, and photocopying of the answer books, institute helps students to resolve the problem as per university guidelines and following proper channel to solve the issues.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/examination">https://www.jspmrscoe.edu.in/examination</a>

## 2.6 - Student Performance and Learning Outcomes

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

The Programme Outcomes (POs), Course Outcomes (COs), and Programme Specific Outcomes (PSOs), are aligned with graduate attributes and are widely communicated through institute website <https://www.jspmrscoe.edu.in/> and academic documents. Every course, Course Outcomes (CO) are framed considering Blooms Taxonomy. Every outcome indicates the expected learnings at the end of the course. Each course has 3-5 course outcomes depending on its significance, mapped to the Program Outcomes Each Course Outcome is mapped to relevant POs. The relevance assigned as following numerical weights: high correlation(3), medium correlation (2), low correlation (1), and no correlation (blank). The Substantial3 corresponds to the "Significant "relevance to PO, Moderate -2 corresponds to the "reasonable relevance to PO, Slight 1 corresponds to the "slender" relevance to PO. The Course- PO's matrices, for all courses, are framed by rounding off the average value of the mapping results for each PO. At end of each course, the COs need to be assessed and evaluated to check whether they have been attained. The Module Coordinator and Program Coordinator ensure effectiveness of the CO communication process. The institution publishes learning outcomes on its website, promoting transparency and helping students understand the competencies they are expected to develop. This comprehensive approach ensures a well-rounded educational experience and aligns with the institution's commitment to quality education.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://assessmentonline.naac.gov.in/storage/app/hei/SSR/106409/2.6.1_1728368955_16177.pdf">https://assessmentonline.naac.gov.in/storage/app/hei/SSR/106409/2.6.1_1728368955_16177.pdf</a>

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

Attainment of COs is measured by direct and indirect tools

**Direct Method:** Direct attainment displays the student's knowledge and skills from their performance. It can be determined from the performance of the students in all the relevant assessment tools - like internal assessments, assignments, quizzes, and end semester examinations. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.

**Indirect Method:** Indirect methods such as surveys and interviews ask the stakeholders to reflect on students' learning. They assess opinions or thoughts about the graduate's knowledge or skills. Indirect measures can provide information about graduates' perception of their learning and how this learning is valued by different stakeholders. Attainment is reported only for the intersection of CO-PO which has been mapped with level 1/2/3. Program outcomes are intended to provide general information about the focus of student learning and are broad statements of the expected learning. The process and policies for attainment are well established in Department in consultation with all stakeholders. The data collection processes for attaining the POs are based on direct and indirect tools. The attainment of the COs is linked to the attainment of the POs (Program Outcome).

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/details/attainment">https://www.jspmrscoe.edu.in/details/attainment</a>

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

1106

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://www.jspmrscoe.edu.in/NAAC_CY_II_SR_Docs/Criteria-2/2.6.2/Anual-Report-COE.pdf">https://www.jspmrscoe.edu.in/NAAC_CY_II_SR_Docs/Criteria-2/2.6.2/Anual-Report-COE.pdf</a>

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

<https://www.jspmrscoe.edu.in/details/analysis-sss-23-24>

**RESEARCH, INNOVATIONS AND EXTENSION****3.1 - Promotion of Research and Facilities**

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

JSPM's Rajarshi Shahu College of Engineering is committed to promote research and innovation culture. Institute Focuses on socially relevant multidisciplinary applied research for socio economic development, relevant areas like Health care, smart city, defense, green earth, energy, agriculture, pollution, waste management etc.

**Research Objectives:**

- To enhance the Research & Innovation ambience in the institute.
- To encourage faculty members and students to transform

their knowledge into research

- To promote research potential of faculty members with their innovative ideas.
- Generation of patents and IPRs.
- To inculcate ethics in Research& Development
- To identify research thrust areas in cutting edge technologies

**Research Initiatives Taken by the Institute:**

- Research incentive policies to encourage publications and IPR
- Organizing conferences, workshops and FDP focused on R & D submitting quality research proposals for grant.
- Pursuing consultancy work sponsored by industry.
- Guidance and sponsorship for writing patents

**Research Facilities Available at the Institute:**

1. Digital library with international and national books, journals and periodicals
2. Well-equipped research laboratory
3. Advanced equipment, high end data systems and analytical software for VLSI and Signal,Image processing
4. High speed internet facility with Wi-Fi
5. Access to Turnitin licensed plagiarism software
6. Expert lectures by eminent industry experts

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://www.jspmrscoe.edu.in/research-policy">https://www.jspmrscoe.edu.in/research-policy</a>
Any additional information	<a href="#">View File</a>

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

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

3.89876

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

3

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2 - Resource Mobilization for Research

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

16.55600

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.2.2 - Number of teachers having research projects during the year

1

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/NAAC_CY_II_SR_Docs/Criteria-3/3.2.1/13.pdf">https://www.jspmrscoe.edu.in/NAAC_CY_II_SR_Docs/Criteria-3/3.2.1/13.pdf</a>
List of research projects during the year	<a href="#">View File</a>

#### 3.2.3 - Number of teachers recognised as research guides

37

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

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

1

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://www.jspmrscoe.edu.in/NAAC_CY_II_S_SR_Docs/Criteria-3/3.2.1/13.pdf">https://www.jspmrscoe.edu.in/NAAC_CY_II_S_SR_Docs/Criteria-3/3.2.1/13.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

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

Rajarshi Shahu College of Engineering (RSCOE) is committed for 360 degree holistic development of students which make the students future and industry ready. All innovative practices like Indian Knowledge System (IKS), Intellectual Property Right (IPR), Incubation center etc. aims to facilitate our students for their holistic development.

At institute level various activities are carried out under the tradition of Indian knowledge.

Intellectual Property Rights (IPR): Institute is instrumental in creating awareness about the IPR, Students and faculty members are encouraged and motivated to file patents and copyrights.

Incubation centre: RSCOE Innovation and Incubation Foundation (IIF) is a Section 8 company registered in the institute. RSCOE IIF facilitate to work under various thrust areas such as

agriculture and food processing , electrical vehicles, energy, artificial intelligence and machine learning, automation & robotics, drone technology, defence, sustainability and healthcare related projects.

**Entrepreneurship:** Institute has a dedicated Entrepreneurship Development Cell (ED Cell) which is a student-run cell of spirited individuals who are striving to create, foster and promote entrepreneurship among the students of JSPMs Rajarshi Shahu College of Engineering.

**Design Thinking:** From this initiative our students focus on understanding the needs and perspectives of users to create innovative and effective solutions.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/iic">https://www.jspmrscoe.edu.in/iic</a>

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

16

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4 - Research Publications and Awards

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

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	No File Uploaded

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

#### 3.4.2.1 - Number of PhD students registered during the year

98

File Description	Documents
URL to the research page on HEI website	<a href="https://www.jspmrscoe.edu.in/research-and-development">https://www.jspmrscoe.edu.in/research-and-development</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	No File Uploaded

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

133

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

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

93

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/NAAC_CY_II_SR_Docs/Criteria-3/3.4.4/list_books.pdf">https://www.jspmrscoe.edu.in/NAAC_CY_II_SR_Docs/Criteria-3/3.4.4/list_books.pdf</a>

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

#### 3.4.5.1 - Total number of Citations in Scopus during the year

5448

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

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

#### 3.4.6.1 - h-index of Scopus during the year

237

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.5 - Consultancy

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

26

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

**19.71972**

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

### 3.6 - Extension Activities

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

JSPM's Rajarshi Shahu College of Engineering is dedicated to serving society through various extension and outreach activities, including clubs & communities. These caters the technical and social aspects of society. These activities focus on areas such as health awareness, women empowerment, technology application for social upliftment etc.

The RSCOE has carried out several social services projects throughout the year under the various clubs:

**National Service Scheme:** - NSS, aims to develop social responsibility among students by understanding their community, needs, problems, and involving them in problem-solving. Events under NSS include Environment and Energy Conservation, Yoga Workshop etc.

**Shashwat Club:** Eco Sustainability Club promotes environmental awareness and action among students. Events conducted such as plastic free village for health awareness, healthy diet webinar etc.

**Rotaract Club :** This club provides opportunities for personal and group activities to recognize leadership qualities and vocational responsibilities and help them in personality development.

**Young Inspirers Network (YIN) Club:** The YIN offers youth a platform for networking and collaboration, promoting personal, professional, and social development for nation transformation.

**Unnat Bharat Abhiyan :** This aims to enable higher educational institutions to work with rural India to identify development challenges and evolve appropriate solutions for accelerating sustainable growth.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/cover/CRITERIA%203/3.6.1">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/cover/CRITERIA%203/3.6.1</a>

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

6

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	No File Uploaded

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

17

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

3835

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.7 - Collaboration**

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

857

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	No File Uploaded

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

19

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

Our institution has modern classrooms, laboratories, and computing facilities to foster an optimal learning environment. The classrooms are spacious, well-ventilated, and equipped with modern teaching aids such as projectors, smart boards, and audio-visual systems to facilitate interactive and technology-enhanced learning.

The laboratories are designed with provisions for practical learning and experimentation across various disciplines. Each laboratory is equipped with modern instruments, tools, and resources to provide hands-on experience to students. Respected staff ensures the laboratories are well-maintained and aligned with industry standards. Safety protocols, including fire extinguishers, first-aid kits, and proper ventilation, are in place to provide a secure learning environment.

Our computing facilities are robust and up-to-date, featuring high-performance systems and the latest software to support academic and research activities. High-speed internet connectivity is available across the campus to encourage collaborative and independent learning. The institution also houses a dedicated computer lab with licensed software for programming, data analysis, and simulations.

Regular updates and maintenance of the infrastructure ensure that students and faculty have access to the best resources to achieve academic excellence. These facilities reflect our

commitment to providing a holistic and technologically advanced educational experience.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.1.1">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.1.1</a>

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

The institute aims for overall development of the students through participation in co-curricular activities and extra-curricular activities which include indoor & outdoor games. These activities bring different qualities in students such as leadership, team spirit and competitiveness in various competitions. The campus provides extensive facilities for indoor games such as table tennis, chess, and carrom, and outdoor sports like cricket, football, basketball, and athletics.

The sport in charge identifies students, trains them & sends them to participate in University or national-level competition. The institute has assigned some space for Yoga and Meditation for mindfulness and physical well-being through regular yoga and meditation sessions. A well-equipped auditorium serves as the hub for cultural events, seminars, and workshops, fostering creativity and expression among students. Cultural activities are further enriched through dedicated spaces for rehearsals and events, enabling students to showcase their talents in music, dance, drama, and art.

These facilities not only useful to develop the physical and creative needs of the students but also foster teamwork, discipline, and leadership qualities, ensuring a vibrant and inclusive campus life. The emphasis on such diverse activities reflects the institution's commitment to nurturing well-rounded individuals.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.1.1">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.1.1</a>

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

47

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

2184.55

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 4.2 - Library as a Learning Resource

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

JSPM's Rajarshi Shahu College of Engineering Library is partially automated using AUTOLIB NG Version Integrated Library Management System (ILMS) Library had purchased software in 2011 from Akash Infotech, Pune. Autolib software is integrated multi-user, multi-tasking, user friendly software. All books are barcodes generated through AutoLib Software. Acquisition,

cataloguing, circulation, serial control, OPAC, Reports are the modules which support library staff to maintain Library services. It is upgraded with Web OPAC Version in 2015 which is the Online Public Access Catalogue. which allows users to avail the services of the library using the internet.

**Circulation:** With the help of this module, books can be circulated quickly with barcodes, auto overdue reminders can be forwarded, reservations can be handled easily. Penalty records can be maintained in a good manner.

**On-line Public Access Catalogue (OPAC):** Library users can access the available library books easily with simple search and boolean search.

**Catalogue:** This module is helpful to catalogue books etc.

**Serial Control:** Master database can be created for individual journals; journal issues received can be entered.

**Report Generation:** Different reports like Purchase list, Accession Register, Library Status, Issue List, Overdue Books List, Circulation Statistics, Frequently issued books, Issue/Return Summary, Titles/Volumes Summary etc.

**Acquisition:** This module supports the entire process of book procurement .

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.2.1">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.2.1</a>

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

**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

69.72

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

#### 4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

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

10

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

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

The JSPM's Rajarshi shahu college of engineering has IT policy establishes a secure, efficient, and ethical framework for technology usage, ensuring all infrastructure—hardware, software, and networks, firewall— is used responsibly and in line with institutional goals, the college IT policy ensures a safe, effective, and moral foundation for technology use. The policy prioritizes data integrity and confidentiality,

mandating strict adherence to privacy standards when handling sensitive information such as student records or financial data. Best firewalls are used by college to prevent virus attacks.

Access to the ERP system is role-specific, with sharing credentials or unauthorized access strictly prohibited. Before hardware installation, compliance with the rules outlined in the policy is required. The college network is designated primarily for academic, research, and administrative purposes, prohibiting activities that disrupt these functions, such as excessive streaming or gaming.

College-issued email accounts are reserved exclusively for academic, research, and official communication, with personal business, marketing, or unauthorized external use strictly forbidden. Social media accounts representing the institution must be pre-approved and managed by authorized personnel to ensure consistent messaging that reflects the college's values and mission. Additionally, all website content must comply with copyright laws and intellectual property regulations, maintaining the institution's commitment to ethical practices and legal standards.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/details/link-4-3-1">https://www.jspmrscoe.edu.in/details/link-4-3-1</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4030	1246

File Description	Documents
Upload any additional information	<a href="#">View File</a>

<b>4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus</b>	A. 750 Mbps
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File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

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

A. All four of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.3.3">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.3.3</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

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

801.12

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

To ensure effective use and upkeep, institutions establish systematic procedures for maintaining and utilizing physical, academic, and support facilities. Routine maintenance for infrastructure, including classrooms, laboratories, and

utilities, is scheduled periodically. Repairs for damages are addressed promptly based on reported complaints through designated channels. Cleanliness and safety measures are implemented for a conducive environment. Scheduled maintenance for CNC systems, laboratory equipment, air conditioners, and water coolers twice a year, at the start of each semester. Staff report issues via intranet. Maintenance personnel inspect and respond. If parts replacement is needed, procurement follows the institute's purchase procedure. Maintenance requests are submitted by RSCOE employees via the intranet in a prescribed format. When there is any repair with wood material / iron material it is sent to workshop( In House) for repair. Also for gymnasium repair first its sent to workshop, still not resolved then external agency is called for the same. For working out day to work elecricity supply is must, dedicated backup supply of electricity and the electricity support team is there for managing it. Further more if still issue is unsolved an external agency is called for resolving it. The output includes records of both pending and completed maintenance tasks, ensuring transparency and accountability in the system.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.4.2">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%204/4.4.2</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

2782

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

44

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

A. All of the above

File Description	Documents
Link to Institutional website	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%205/5.1.3">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%205/5.1.3</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

565

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students'**

A. All of the above

**grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.2 - Student Progression

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

532

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of outgoing students progressing to higher education

27

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

46

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

66

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

The establishment of student councils plays an integral and important role in the student community. Student councils provide a representative structure through which students can debate issues of concern and undertake initiatives of benefit to the college and the wider community. Students have a voice and a contribution to make to their college. It is important that they be given the opportunity to express their views on issues of concern to them in the college. It is equally important that they are listened to and encouraged to take an active part in promoting the aims and objectives of the college. The guidelines mentioned in this manual are intended to provide practical guidance to student council members in the establishment and operation of the student council.

The following are the various academic and administrative bodies:

- Student Council
- IQAC, DAB, Focus group
- All Student Chapters
- Anti-ragging Committee
- Hostel committee
- NSS (National Service Scheme)
- Departmental Students Associations
- Earn and Learn Scheme of SPPU
- Research and development Cell Cultural & Extra-curricular activity
- Each department has appointed student Welfare coordinator,
- Sports coordinator and Cultural coordinator.
- Dedicated infrastructure is available where the students carry out their practice related to different activities/events.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/non-statutory-committee">https://www.jspmrscoe.edu.in/non-statutory-committee</a>

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

28

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.4 - Alumni Engagement

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

The objective of the Alumni Association of RSCOE is to reach, engage and serve all alumni & present students by networking with one another to foster a lifelong intellectual and emotional connection between the institute and its graduates.

The alumni association of RSCOE has technocrats, leaders, entrepreneurs, researchers, and global managers. Our alumni are instrumental in enhancing the Institute's fame locally and globally. The Institute's participative culture always ensured that alumni are encouraged to stay connected with their alma-mater and inspire and motivate current students. RSCOE has partnered with Univibe Network to provide its Alumni with a comprehensive tool for networking amongst alumni, faculty & other members of the institute. A platform that provides you access to the vast network of RSCOE alumni working in reputed organizations worldwide. The active network and collaboration with alumni help the institute in overall development in the following ways:

- Registered Alumni association
- Alumni meeting is organized every year
- Alumni are informally part of the teaching-learning process through expert lectures, project guides, and organizing industrial visits.
- Alumni are in communication with the institute through Social networking sites like Facebook, WhatsApp, and Google drive-chat.

Registration: MH/365/2007 dated 06/03/2007

Number of Alumni-Meets held: 02

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/alumni-testimonials">https://www.jspmrscoe.edu.in/alumni-testimonials</a>

**5.4.2 - Alumni's financial contribution during the year**

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

The institute's mission statement delineates its unique qualities in terms of addressing societal needs and aligning its vision and mission with higher education objectives. The embodiment of these in the institute's leadership ensures:

**Policy statements and action plans:** The management and director actively engage in the Governing Body (GB) and Local Management Committee/Central Disciplinary Committee (LMC/CDC) to ensure alignment of policy statements and action plans with the institute's vision and mission. Action plans are collaboratively devised with faculty input.

1. **Formulation of action plans:** Under the Director's leadership, action plans are crafted in accordance with quality policies and integrated into strategic plans for effective execution.
2. **Stakeholder interaction:** The Director ensures the involvement of all stakeholders in various activities.
3. **Support for policy and planning:** The Director gathers societal requirements for policymaking and planning through stakeholder interactions.
4. **Cultivating a culture of excellence:** The institute promotes an ethos of excellence by keeping its vision, mission, short and long-term goals, and quality policies transparent to all stakeholders. Necessary training is provided to faculty and supporting staff for their development, fostering team building and teamwork to cultivate a healthy work culture. Teacher participation is facilitated through participative management, involving them in various decision-making processes.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/details/organisation-chart">https://www.jspmrscoe.edu.in/details/organisation-chart</a>

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

The institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards a decentralized governance system.

1. **Director Level:** The Governing Body delegated all academic and operational decisions based on policy to the Academic Monitoring Committee headed by the Director in order to fulfill the vision and mission of the institute. The Academic Monitoring Committee formulates common working procedures and entrusts their implementation to the faculty members.
2. **Faculty Level:** faculty members are given representation in various committees or cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co- curricular, and extracurricular activities. They are given authority to conduct industrial tours, tie up with industry experts, and be appointed as coordinators and conveners for organizing seminars, workshops, conferences, and FDPs. For effective implementation and improvement of the institute, committees are formed: Other units of the institute, like sports, libraries, stores, etc., have operational autonomy under the guidance of the various committees and cells.
3. **Student Level:** Students are empowered to play an active role as coordinators of co-curricular and extra-curricular activities and social service group coordinators.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/details/strategic-development-plan">https://www.jspmrscoe.edu.in/details/strategic-development-plan</a>

### 6.2 - Strategy Development and Deployment

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

JSPM's Rajarshi Shahu College of Engineering's "RSCOE: Vision 2025" strategic plan is designed to drive inclusive excellence with defined goals. To ensure effective execution, the Institute Quality Assurance Cell (IQAC) formed a subcommittee to create the Strategic Development Plan (SDP) "RSCOE: Vision 2025". This plan stems from a thorough Strengths, Weaknesses, Opportunities, and Challenges (SWOC) analysis, offering insights into internal and external landscapes.

The strategic goals cover essential aspects for growth:

**Effective Governance:** Establishing strong operational structures.

**Academic Excellence through Outcome-Based Education:** Prioritizing student outcomes like subject knowledge and industry skills.

**Sustainable Infrastructure:** Ensuring long-term growth with robust facilities.

**Enrichment of Human Resources:** Developing faculty and staff capabilities.

**Student Progression through Holistic Education:** Providing well-rounded education.

**Empowering Minds through Research and Innovation:** Encouraging a culture of exploration.

**Collaboration and Excellence:** Forming partnerships with institutions and industries.

**Community Outreach:** Engaging with the community for societal impact.

**Building the 'Brand RSCOE':** Establishing a strong identity.

Focused on Academic Excellence through Outcome-Based Education, the institute partnered with institutions like IIT Ropar and industries such as TCS, Veritas, KPIT, and Persistent Ltd. The curriculum integrates problem-based learning (PBL) and hands-on experiences. This approach fosters creativity, innovation, and

**industry readiness among students.**

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/details/strategic-development-plan">https://www.jspmrscoe.edu.in/details/strategic-development-plan</a>
Upload any additional information	No File Uploaded

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

The governance of the institute indicates the formal and informal arrangements that allow us to make decisions and take action.

Governance overlaps considerably with management, which is seen as the effective implementation and execution of policies. Objectives are set to promote good governance across a wide variety of situations at the institute, considering major principles such as academic freedom, shared governance, clear rights and responsibilities, meritocratic selection, financial stability, accountability, team building, and transparency. All posts of dean have been created in the academic year 2019-20 as the institute became autonomous. All the administrators have more than 15 years of working teaching experience in university-affiliated institutes. RSCOE typically works as "a well-oiled machine," where all will look at the administrative hierarchy for decision-making. Being new to an autonomous institute environment, the demarcation of each administrative post's 'key responsible area' is thinly defined.

Though many of Dean's posts have been created, they are complimenting each other in the present situation. Decentralization of administration with clear-cut roles, responsibilities, and accountability will allow the institution to make significant strides toward realizing the goals of better administration. The institute has defined roles, responsibilities, objectives, set of targets, and goals—which have to be identified by members.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://www.jspmrscoe.edu.in/details/organisation-chart">https://www.jspmrscoe.edu.in/details/organisation-chart</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/details/service-rules">https://www.jspmrscoe.edu.in/details/service-rules</a>

### 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	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	No File Uploaded

### 6.3 - Faculty Empowerment Strategies

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

The institution prioritizes staff welfare with measures like a Group Insurance Scheme for financial security, Study Leaves for advanced education, reimbursement for conferences, Faculty Development Programs (FDP), Short Term Training Programs (STTP), and workshops to support professional growth.

Flexible leave options, including casual, medical, and earned leaves, cater to personal needs, ensuring a healthy work-life balance. The six-month maternity leave for female staff demonstrates a commitment to gender equality and support for new mothers.

Provident Fund benefits and gratuity offer long-term financial stability, complemented by fee concessions for staff members'

children in associated schools, aiding in their education. The provision of salary advances during urgent financial needs showcases understanding and support for staff members' well-being.

A Women Empowerment Cell supports female staff, recognizing and addressing their unique needs. Centralized reprography (Xerox) facilities ease administrative burdens, while free internet and Wi-Fi access on campus enhance productivity.

Summer and winter vacations ensure faculty members have time for rest and rejuvenation. Sports and cultural facilities promote holistic well-being and community engagement. Multicultural celebrations of festivals foster inclusivity and a sense of belonging among staff. These initiatives collectively create a workplace where staff feel valued, supported, and motivated to excel.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/details/service-rules">https://www.jspmrscoe.edu.in/details/service-rules</a>

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

142

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

5

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

163

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### **6.4 - Financial Management and Resource Mobilization**

##### 6.4.1 - Institution conducts internal and external financial audits regularly

Our institute maintains a rigorous financial oversight system through regular internal and external audits. Since its inception, we have employed a full-time Treasurer and Accounts Department dedicated to managing annual accounts and audits.

**External Audit:** External audits are conducted by chartered accountants affiliated with the JSPM Group. These audits ensure comprehensive scrutiny of our financial records and adherence to regulatory standards.

**Internal Audit:** Internal audits are conducted by an accounts officer within the institute. This includes a statutory audit covering all financial and accounting activities. The audit scrutinizes all incoming funds from fees, donations, grants, interest earnings, investment returns, and outgoing payments to staff, vendors, contractors, students, and service providers.

Our institute's-chartered accountant performs regular audits

and certifies our annual financial statements. Additionally, all utilization certificates provided to grant-giving agencies are countersigned by the chartered accountant. All financial statements up to the 2023-24 fiscal year have received certification.

Internal audit responsibilities are managed by the institute's internal auditor. They pre-check salary adjustments, pension and gratuity disbursements, and final payments of the Employee Provident Fund (EPF). Any expenses exceeding budget proposals require special sanction from the governing body to ensure financial prudence and accountability.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/details/audited-report-2023-24">https://www.jspmrscoe.edu.in/details/audited-report-2023-24</a>

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

19.16

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

The institute employs various strategies to mobilize funds and ensure optimal resource utilization:

1. **Student Fees:** The primary revenue source is the annual fees collected from students, adhering to state fee regulatory guidelines. These fees are deposited into fixed deposits and withdrawn as needed.

2. **Sponsored Projects:** Grants are obtained through sponsored

projects from organizations such as AICTE, SPPU, DST, UGC, and industries. These funds support infrastructure development, learning resource upgrades, faculty and student training, and research activities, including conference grants.

3. Consulting Services: The institution generates funds through the consulting services it offers.

4. Budget Preparation: Budget estimations are collected and used to prepare budgets. These budgets undergo review and approval by the finance committee and governing body.

5. Operational Expenses: Funds are allocated to cover day-to-day operational and administrative expenses, as well as maintenance of fixed assets.

6. Laboratory Equipment: Funds are allocated for the purchase of advanced laboratory equipment to support faculty and student research interests.

7. Library Enhancement: Adequate funds are provided annually to enhance library facilities, facilitating innovative learning practices.

8. Teaching-Learning Practices: Funds are allocated for effective teaching-learning practices, including Faculty Development Programs, workshops, interdisciplinary activities, and training programs, ensuring quality education delivery.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/details/audited-report-2023-24">https://www.jspmrscoe.edu.in/details/audited-report-2023-24</a>

## 6.5 - Internal Quality Assurance System

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

Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Internal Quality Assurance Cell (IQAC) is comprised of the institution's head, department heads, faculty representatives, senior administrative officers, management members, local society nominees, alumni representatives, students, parents, and employers. Being a pivotal policy-making and implementing body, IQAC interacts with institution staff through regular meetings at different levels.

In order to enhance the teaching-learning process, IQAC, in collaboration with institute administration, collects stakeholder feedback. The institute conducts regular training sessions for staff and faculty to ensure the implementation of quality procedures. IQAC actively promotes outcome-based education in teaching and learning practices and monitors activities according to the academic calendar through a multi-level monitoring system.

During IQAC meetings, quality benchmarks and parameters are established, and execution processes for various academic and administrative activities are defined. IQAC fosters a learner-centric environment conducive to quality education.

To maintain and enhance educational quality, the institute conducts annual academic audits of departments and committees through IQAC. Both internal and external academic audit committees are established for this purpose, ensuring effective quality education delivery

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jspmrscoe.edu.in/achievement">https://www.jspmrscoe.edu.in/achievement</a>

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

The Institutional Quality Assurance Cell (IQAC) ensures a culture of quality as its top priority by institutionalizing and internalizing initiatives with internal and external support. IQAC fosters a learner-centric environment conducive

to quality education and supports faculty development to adopt the necessary knowledge and technology for effective teaching and learning.

As a central coordinating body for quality-related activities, IQAC undertakes various initiatives, including:

1. Conducting external administrative and academic audits.
2. Implementing outcome-based learning education in all programs.
3. Promoting industrial involvement through activities such as training, visits, workshops, MOUs and guest lectures.
4. Organizing quality programs like seminars, webinars, guest lectures, and conferences.
5. Enhancing the use of ICT tools for teaching and learning.
6. Introducing employability skill development courses for students.
7. Participating in quality audits recognized by state, national, and international agencies such as NIRF, ARIIA, NBA, and AISHE.
8. Establishing the Institute Innovation Council under MHRD.
9. Setting up a research and development cell to promote research activities.
10. Implementing processes to gather feedback and conduct surveys from various stakeholders.
11. Establishing and effectively implementing the mentor-mentee process.
12. Institutionalizing efforts to create a ragging-free campus and fostering student discipline, including establishing a grievance redressal cell.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://jspmrscoe.edu.in/igac">https://jspmrscoe.edu.in/igac</a>

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

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%206/6.5.3">https://jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/CRITERIA%206/6.5.3</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## **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

Rajarshi Shahu College of Engineering (RSCOE), Tathawade, Pune, actively fosters gender equity in academics and extracurricular activities through gender-sensitive practices. Various committees and clubs ensure equal opportunities for male and female students and staff. During the induction program, students are introduced to these committees, including the Anti-Sexual Harassment Committee (Vishakha Cell), Grievance Committee, Student Welfare Committee, and Extra-Curricular Committee, which address concerns, complaints, and disputes. An

online grievance redressal system is available at <https://www.jspmrscoe.edu/grievance>.

The Vishakha Cell works to prevent harassment and safeguard women's rights, while initiatives like "Nirbhaya Kanya Abhiyan" focus on developing confidence and personality in women. Leadership roles are actively filled by women, who are encouraged to engage in research, higher education, and extracurricular activities. Equal opportunities are provided to all students for national-level events and career advancement.

Gender sensitization programs, self-defense workshops, and sessions on legal rights are regularly conducted. The campus ensures safety with 24/7 CCTV surveillance, security checks, and dedicated facilities like separate hostels, washrooms, a medical center, and ambulance services. Events like "INNOVISION" and "GANDHARVA" celebrate gender equality, fostering a dynamic, inclusive, and socially responsible campus environment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.1.1">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.1.1</a>

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

JSPM's RSCOE incorporates several techniques for the management of degradable and non-degradable waste.

For solid waste management separate bins for dry & wet waste are placed at different places in college. Every day the waste has been collected from college premises by housekeeping personnel and dumped to the municipality garbage collecting van for disposal.

RSCOE has a biogas plant where the degradable waste from the canteen is collected & converted to biogas. The biomedical waste like Sanitary Pads is non degradable & very harmful to the environment. A disposal machine is placed in every lady's washroom for female students & faculty of the college. The liquid waste from bathrooms is collected separately and given to trees in the college garden. Thus, waste water harvesting is implemented.

E-waste management drives have been organized by RSCOE for creating awareness among students. E-waste is collected centrally and sent to the recycling vendor per semester. Scripted answer sheets and old papers are sent to vendors for pulping thus waste paper is recycled.

The strong chemicals in the chemistry lab are stored in the Sand bath & for safe handling hand gloves & goggles are used. The hazardous radioactive waste is not generated in RSCOE.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

### 7.1.5 - Green campus initiatives include

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

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

**A. Any 4 or All of the above**

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

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

**7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:**

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

**A. Any 4 or all of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

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

**JSPM's Rajarshi Shahu College of Engineering, Pune (RSCOE, Pune) fosters an inclusive environment by embracing diversity through policies, programs, and community engagement.**

**Institutional Commitment to Diversity:** RSCOE has clear policies promoting anti-discrimination, equal opportunities, and respect. Dedicated committees implement and monitor diversity initiatives, ensuring continuous improvement.

**Educational Programs:** Courses like Universal Human Values educate students on cultures, perspectives, and social issues, fostering inclusivity.

**Clubs and Cultural Events:** Various departmental clubs organize socially driven initiatives like blood donation camps, tree plantations, and road safety programs. Traditional Day and other cultural events celebrate diversity, promoting cross-cultural understanding.

**Recruitment and Retention:** Strategies to ensure diverse faculty, staff, and socio-economically diverse students include outreach programs, inclusive hiring, and workplace culture development.

**Community Engagement:** NSS and clubs conduct camps in remote areas, promoting social awareness and economic development, emphasizing equality and service.

**E-Cell:** RSCOE's E-Cell supports entrepreneurship by connecting students with resources, funding opportunities, and expert guidance, encouraging them to contribute to the country's economic growth.

Through these efforts, RSCOE Pune actively promotes tolerance, harmony, and inclusivity.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

Rajarshi Shahu College of Engineering (RSCOE) integrates various curricular and extracurricular activities to foster a culture of responsible citizenship and deepen appreciation for constitutional values, rights, duties, and responsibilities.

These efforts inspire students and staff to contribute to societal and national betterment.

#### Awareness Through Diverse Initiatives

RSCOE embeds constitutional values into academic and extracurricular programs. Clubs like Shaashwat, NSS, Rotaract, and Sambhav drive these initiatives. The Shaashwat Club promotes ecological and social responsibility through activities like food and clothing donations, River Renovation Camps, and Helmet Awareness drives

#### NSS, UBA, and Rotaract Contributions

NSS, Unnat Bharat Abhiyan, and Rotaract Club nurture civic engagement and social responsibility. NSS organizes eye checkups, women empowerment programs, tree plantations, and anti-corruption rallies, cultivating empathy and societal commitment. Events like Har Ghar Tiranga and Meri Mati Mera Desh instill national pride, while blood donation camps emphasize societal contribution.

#### Environmental and Civic Consciousness

Programs like Run for Diabetes and Swachhata Abhiyan highlight environmental sustainability and health awareness. Republic, Independence, and Constitution Day celebrations reinforce civic values.

Aligned with NEP, RSCOE introduced "Universal Human Values and Ethics" in 2023-24, emphasizing human values. This holistic approach equips students to contribute positively to society.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of**

**A. All of the above**

**Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

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

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

The institution actively celebrates international and national commemorative days, events, and festivals to foster harmony, enrich campus culture, and instill pride in the nation's rich heritage. Annual celebrations of National Festivals like Independence Day (15th August) and Republic Day (26th January) begin with the flag hoisting, followed by the National Anthem and patriotic songs. The NSS unit of Rajarshi Shahu College of Engineering organizes impactful initiatives like "Har Ghar Tiranga" and "Meri Mati, Mera Desh" to promote unity and community development.

Teacher's Day is celebrated on September 5th in honor of Dr. S. Radhakrishnan, with eminent educationists and teachers invited to deliver inspiring speeches. Other commemorations include National Unity Day/Week, the birth anniversaries of Savitribai Phule, Shivaji Maharaj Jayanti, and Rajarshi Shahu Jayanti. The institute also conducts notable activities such as the Maha Blood Donation Camp, Swachhata Abhiyan, International Yoga Day, and the Rajyabhishek Sohala of Chhatrapati Shivaji Maharaj.

By organizing and participating in these events, the institution cultivates a vibrant, inclusive campus atmosphere

that celebrates diversity, raises awareness, and encourages positive social change, contributing to the holistic development of students and staff.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

### 1. Title of the Best Practice: Employability Enhancement through Industry Internship and Trainings

The Context: Rajarshi Shahu College of Engineering (RSCOE) offers robust internship and training programs to enhance student employability. These include aptitude tests, group discussions, interviews, and presentation skills, with regular online assessments via platforms like MNC campus connects and Skill Rack. Starting in the sixth semester, students receive guidance on aptitude preparation, resume building, programming, language, and soft skills through professional institutes and senior students.

#### Objectives:

- Develop industry-relevant skills.
- Bridge the gap between theory and practice.
- Enhance employability and job readiness.
- Foster problem-solving, critical thinking, and career planning.
- Support innovation and entrepreneurship.

### 2. Title of the Best Practice: Product Design and Development Practices for Enhancing Students Interdisciplinary Skills

The Context: Product design and development play a vital role in addressing complex challenges by creating innovative, user-focused solutions. These processes align with industry standards and practical needs.

**Objectives:**

- Equip students to identify and solve complex engineering problems.
- Encourage novel solutions to real-world challenges.
- Foster teamwork and collaboration.
- Bridge the gap between theory and practical application.
- Develop technical and soft skills essential for success.
- Promote research and development to advance engineering and technology.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.2.1">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.2.1</a>
Any other relevant information	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.2.1">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.2.1</a>

**7.3 - Institutional Distinctiveness**

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

Pune, known as "????????? ????????", is a hub of education with over 40 engineering institutions. Among these, Rajarshi Shahu College of Engineering (RSCOE) stands out for its Institutions Innovation Council (IIC), Innovation and Incubation Foundation (IIF), and state-of-the-art infrastructure.

**Institutions Innovation Council (IIC):** Launched by the Ministry of Education and AICTE in 2018, IIC fosters innovation and a startup ecosystem in higher education. RSCOE actively conducts programs under this initiative.

**Innovation and Incubation Foundation (IIF):** Established on April 20, 2022, as a Section 8 company, IIF promotes innovation and entrepreneurship among students and faculty. The incubation

process includes idea generation, IP facilitation, prototyping, and scaling startups through mentorship and resources.

#### Infrastructure Highlights:

1. JANATICS Centre for Innovation in Smart Factory: Features a 6-axis COBOT trainer kit and a modular manufacturing system aligned with Industry 4.0.
2. TATA Automation Centre of Excellence: Focuses on robotics, automation, IoT, ML, and AI in collaboration with TAL and India First Robotics.
3. Apple Laboratory: Equipped with 30 iMAC systems supporting Java, Swift, Python, and Eclipse for programming and development.

RSCOE continues to excel in nurturing innovation and bridging the gap between education and industry.

File Description	Documents
Appropriate link in the institutional website	<a href="https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.3.1">https://www.jspmrscoe.edu.in/naac/naac-cycle-ii/SSR-DVV-Support-Documents/cover/CRITERIA%207/7.3.1</a>
Any other relevant information	<a href="#">View File</a>

#### 7.3.2 - Plan of action for the next academic year

- To enhance NIRF ranking amongst top 150 engineering institutions during academic year 2024-25.
- Planning for Multidisciplinary minor courses implementation wef 2024-25.
- Planning for Trends in Artificial Intelligence courses implementation wef 2024-25.
- To undertake quality-driven research, consultancy, and training programs.
- To organize workshops, seminars for knowledge sharing and skill development.
- Planning for NBA accreditation of MBA/MCA/M.Tech (Computer, ENTC)
- Planning for UG programmes for NBA accreditation in Tier-I
- Upgradation of NAAC score in Autonomous mode
- To organise international conference on research -thrust areas.
- To establish formal collaborations through MoUs with other institutions and organizations.

- To create awareness and take measures for environmental protection and sustainability.
- To continue supporting the education of deserving and underprivileged students.
- To arrange career guidance and counseling sessions/programs.
- Focusing on active learning and problem/project based delivery and assessment.
- To set a benchmark as a role model for other institutions.