



YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	JSPM's Rajarshi shahu College of Engineering Tathawade Pune-411033
• Name of the Head of the institution	Dr R.K.Jain
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	02067127777
• Alternate phone No.	9822933696
• Mobile No. (Principal)	9822746067
• Registered e-mail ID (Principal)	principal@jspmrscoe.edu.in
• Address	S.No 80 Tathawade
• City/Town	Pune
• State/UT	MAHARASHTRA
• Pin Code	411033
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	10/07/2018
• Type of Institution	Co-education
• Location	Urban

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr.Rachayya R. Arakerimath				
• Phone No.	02067127777				
• Mobile No:	9890835363				
• IQAC e-mail ID	rscoe.naac@gmail.com				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.jspmrscoe.edu.in				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.jspmrscoe.edu.in/details/All-Academic-Calendars-2022-23				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.26	2017	30/10/2017	31/12/2024
6.Date of Establishment of IQAC			20/06/2014		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Electronics and Telecommunication	Science Technology and Innovation (STI) Hubs for Development of Scheduled Caste (SC) and Scheduled Tribe (ST) Communities	DST	21/01/2022	Rs.2,73,13,249/-
Mechanical Engineering	Collaborative Research	Research & Innovation Department of University Malaysia Pahang	01/08/2021	Rs.2,70,215/-
Mechanical Engineering	Collaborative Research	Infraking Consulting Engineers Pvt. Ltd	01/07/2019	Rs.4,00,000/-
Civil Engineering	IGS student Chapter	Indian Geotechnical Society (IGS) New Delhi	01/02/2023	Rs.1,00,000/-

8. Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> Upload the latest notification regarding the composition of the IQAC by the HEI 	View File	
9.No. of IQAC meetings held during the year	03	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken 	Yes	

uploaded on the institutional website?		
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>-NBA Accreditation (consecutive four times) of all eligible UG Courses (Computer, Mechanical, Civil, Information Technology, and Electronics & Telecommunication. -Ranking in National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development, Government of India in the Band: 150 to 300 under innovation category for the year 2023. -Institute has received "Late Hon. Shri Balasaheb Wagh Memorial Best Institute Award" constituted by the Association of the managements of un-aided Engineering colleges (Maharashtra) in June 2023. -Established section 8 company under Institution Innovation cell of the institute -Energy, Environment and Green Audit of the institute completed for the Academic Year 2022-23. - IIT Mumbai Nodal Center for Spoken tutorials, NPTEL Courses and Virtual Lab.</p>		
12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		

Plan of Action	Achievements/Outcomes
To complete NBA (National Board of Accreditation) of all eligible UG programs	NBA Accreditation (consecutive four times) of all eligible UG Courses (Computer, Mechanical, Civil, Information Technology, and Electronics & Telecommunication.
NIRF ranking	Ranking in National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development, Government of India in the Band: 150 to 300 under innovation category for the year 2023.
Academic and Administrative Audit	Academic and Administrative Audit completed under the chairmanship of Dr D D Shah in June 2023
To prepare virtual lab assignment for IIT Bombay	The faculties of the institutes has developed Virtual lab for IIT Bombay under virtual lab development.
National Level EV Conclave 2023	National Level EV Conclave 2023 organized by electrical department in Feb 2023
National Level Event Geofest 2023	National Level Event Geofest 2023 organized in association with Indian Geotechnical Society (IGS) New Delhi
National Level Techfest Innovision 2023	National Level Techfest 'Innovision 2023' organized by the institute in MARCH 2023
FDP on Recent Trends in Renewable Energy Systems	FDP on Recent Trends in Renewable Energy Systems organized in association with ISTE
National Level FDP on Emerging Trends in Artificial Intelligence and Machine Learning	National Level FDP on Emerging Trends in Artificial Intelligence and Machine Learning organized in

	association with IEEE
A project entitled 'A Technological Hub For Production of Eco-Friendly And Economical Products to Improve the Socio-Economic Status of SC in Osmanabad Block of Maharashtra'	Funded project by Department of Science and Technology, New Delhi
HR Meet	Mega HR meet "SANYOG 2023" organized on 13 May 2023 where 300 HR personnel from different companies attended this event and discuss about the initiatives to be taken by the industry and institute for betterment of the future students.
Participation of students in ABU International ROBOCON -2023 Competition	Team CiPHER of the institute received the AUTODESK Fusion 360 Best Design Award in ABU International ROBOCON -2023 Competition held at IIT Delhi on 17th & 18th June 2023
Participation in TIFAN 2023 at National level	Team Mech-Agronics got Best Cost Award in TIFAN 2023 at Rahuri by MPKV RahuriMaharashtra.
Motivation for NPTEL course for various subjects	More than 70 students and 10 faculties passed NPTEL exam for various courses.
13. Was the AQAR placed before the statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Governing Body and Academic Council	08/04/2023
14. Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2022-23	15/02/2023

15. Multidisciplinary / interdisciplinary

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.

16. Academic bank of credits (ABC):

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 Nodel 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 webportal. Faculties are encouraged to design the curricular and

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 have a separate cell of International Relations (IR) through which the institute has MoUs with various International and national Universities. This collaboration helps to implement the Academic Bank of Credits (ABC) in the institution given NEP2020.

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. 1. 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. 2. For second-year students we provide dedicated In-House Aptitude training. 3. From Third-year we train students in vocational skills such as Career Readiness Training, Auto CAD. 4. Pre-placement activities such as mock interviews, Group Discussions, and Extempore are conducted 3. 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' SWOT analysis easy. Institute's efforts 1. Credit score pattern- Every student should appear for language Proficiency-English, German, Japanese & French. Credit score will be min 1 and max 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, 6-month full-time internship in collaboration with different industries to gain practical knowledge and industry norms in advance The program involves internships with the goal of acquiring various discipline-

related skills and technologies and developing their technical and professional knowledge. 4. Few Unified platforms for skill mapping are Swayam, Coursera, 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 help students with lower financial category. The new curriculum is focused on a student-centred 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 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. In order 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):

1. Institutional initiatives to transform its curriculum towards outcome-based education (OBE)? Outcomes-based education is a learner-centered approach to education that focuses on what a student should be able to do in the real world upon completion of their course or program. At RSCOE, the curriculum is carefully constructed by keeping in mind OBE philosophy by first determining the outcomes,

and then designed backward by: carefully determining authentic assessments, choosing/building relevant learning activities and experiences, and selecting appropriate content. The process ensures that the learners are able to demonstrate achievement of outcomes and that learning outcomes, learning activities/methods, and assessment are aligned.

1. Efforts made by the institution to capture the outcome-based education in teaching and learning practices. The OBE framework adopted by institution for 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 that also contain that verb, thus enabling the teacher to judge the attainment results. A Course Outcome (CO) is a measurable, observable, and specific statement that clearly 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 (POs and PSOs relating to knowledge and skill) and at program level (POs relating to attitude or behavioural) is identified. All activities are mapped to POs and PSOs related to curriculum gap 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 its correlation strength mentioned in three level (slight-1, moderate-2, substantial-3)

Direct Internal assessment of COs calculate 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 course level is carried out by conducting course end survey, 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 percentage of CO attainment, the direct assessment of POs and PSOs are calculated. The three levels of PO/ PSO attainments are decided by Department advisory board depending on previous attainments levels. In case PO/PSO has achieved the expected value, then the target is increased by 5% otherwise the previous target is retained and action plan is prepared for improvement. Practices of the institution pertaining to the outcome based education (OBE) in view of NEP 2020.

1. Multiple Entry and Exit The OBE setup at RSCOE has is implemented in progressive way. 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 case of multiple entry students previous records are maintained in ERP. 2. Academic bank of credit The courses done for acquiring credits are mapped to POs. The assessment done for acquiring the credits can be transferred to calculate attainment. The institute uses an ERP software which facilitates this exchange. 3. Multidisciplinary approach through department like arts, science, humanities and Interdisciplinary courses by forming cluster of different departments at institute level. Students are allowed to select elective courses and open electives. The autonomous status helps the students to 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, student association activities are considered. Activities where students can earn credits are disseminated among the students via website and notices. Standard SOPs are designed for systematic assessment and evaluation of such chapter activities.

20.Distance education/online education:

Online teaching and learning make students more responsible for their own 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. This helps online classes and learning go smoothly. Technology also gives us great opportunities to make learning easier for everyone, no matter what their needs are. Students can learn both theoretical and practical skills with the help of technology. 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 ERP software. During live classes, counseling sessions, and mentoring, the teachers talk to the students through the 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 ERP software. Our institute offers some courses online through NPTEL, Swayam etc.

Extended Profile

1.Programme	
1.1	14
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1	4280
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	View File
2.2	1142
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3	4138
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1	517
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2	215
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	253
4. Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	609
4.2 Total number of Classrooms and Seminar halls	68
4.3 Total number of computers on campus for academic purposes	1200
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	1536.45

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The Institute has a meticulous procedure for development, revision and implementation of curriculum and is aligned with the local, national, regional and global developmental needs. The Institute follows the OBE process and these are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes. The attainment of CO, PO and PSOs are systematically evaluated and action taken thereof. An effective implementation of OBE ensures that our graduating engineers can compete on a global platform, and have expected global attributes. The academic autonomy provides the opportunity to frequently revise the curriculum based on needs and suggestions of

the stake holders. There is a flexibility in curriculum which encourages students to benefit from the online courses like NPTEL/SWAYAM/MOOC and also contains courses relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability. The Curricula underwent major revisions wherein skill developing activities like field projects, internships and entrepreneurship were introduced and is reflected in revised syllabus of the PG and UG Programmes. Honors, Major and Minor Courses are offered. The Curriculum is designed as per the new National Educational Policy (NEP) 2020 to ensure the students have the required knowledge, skills and attitude towards lifelong learning.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.jspmrscoe.edu.in/details/CO-PO-PSO1

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

2

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

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

101

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

1.2 - Academic Flexibility

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

134

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

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

12

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

1.3 - Curriculum Enrichment

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

Gender-Equality: Same dress code is prescribed for both the genders and equal opportunities are given for participation in student

council, class representation, training programs, placement opportunities, co-curricular & extracurricular activities. Internal Complaint Committee is formed to resolve grievances of girls if any.

Environmental-and-Sustainability: Students have a compulsory course on Environmental Studies in their curriculum. This year 'Green Club' has been introduced with the aim to empower youth with water stewardship. The Institute is a part of 'Unnat Bharat Abhiyan (UBA)', an initiative taken up by the MHRD to uplift rural India. The Institute has received a grant for the research project "Long lasting Dhoop batti"/ Insects repellent from Organic Solid Waste for Sustainable Income Generation" through UBA.

Professional Ethics : Courses like Professional Practices in Civil Engineering, Business Management, Fundamentals of Management and Strategy formulation are introduced in curriculum. Plagiarism check is mandatory for research projects and publications. All the post-graduate courses have incorporated research methodology as a mandatory course.

Human Values : A compulsory course on Professional Ethics and Values is offered. The students are encouraged to practise the principles learnt in classrooms in their life. The faculty members teaching the course have undertaken relevant workshops offered by AICTE.

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	View File
Any additional information	View File

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

22

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

1100

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

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

2206

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

1.4 - Feedback System

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

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

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	https://jspmrscoe.edu.in/details/Stakeholder
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

1111

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

609

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

The institution assesses the learning levels of the students in 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: Remedial Classes are conducted with an aim to improve the academic performance. Academic and personal counseling. 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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/guidance-and-counseling

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2022	4280	215

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

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 long-lasting. 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 bring

students 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	View File
Link for additional Information	https://www.jspmrscoe.edu.in/automation-and-robotics/innovation-practices

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

The pandemic has forced us to shift to a virtual mode of learning. Information and Communication Technology (ICT) has helped to survive and adapt to the new ways of learning. Considering the various challenges, efforts have been made to optimize the potential of the existing and new educational platforms to be made available for students. Institute facilitated the extensive use of MOODLE which helps faculties to create their own dynamic course contents that extend learning, anytime, anywhere. Students use online virtual laboratories developed under MHRD-IIT for demonstration of experiments that helps them in learning through remote experimentation. Our customize Moodle 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. 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.

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

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

2.3.3.1 - Number of mentors

215

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

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

Academic calendar prepared and adhered for conduct of Examination and other related matters: Academic Co-ordinator prepares academic calendar for each semester in line with Academic Calendar of affiliated university 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. GFM is a guardian faculty member of a particular class who plays important role in mentoring of students, monitoring their attendance, preparation of monthly attendance. GFM also acts as mediator between institute and parents. 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. This system helps in overall development, achievement of students which

is beneficial for growth of the institute. Principal as a head of institute monitors whole system at the academic as well as at the administrative level.

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

2.4 - Teacher Profile and Quality

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

215

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

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

63

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

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

1642.36

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

30

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

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

176

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
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. MOODLE 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

Moodle. 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	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/examination

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

Every course, Course Outcomes (CO) are framed considering Bloom;s 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. Learning activities related to the outcome must be a required part of the course, but there is no minimum performance requirement for the students to meet. 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 department designs and defines the evaluation scheme to gather the assessment data in consultation with DAB along with guidelines published by regulatory bodies from time to time. The Module Coordinator and Program Coordinator ensure

effectiveness of the CO communication process.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://www.jspmrscoe.edu.in/details/CO-PO-PSO1

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 university 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 advisory board (DAB) 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	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/attainment

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

1135

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://www.jspmrscoe.edu.in/details/activit-y-report-july2022-june2023

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-22-23>

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

Research and Development cell

The research and development (R&D) cell was established to promote research activities of the faculty members, scholars and students of college. The R&D cell was set-up with the objectives of developing the strategic plan for scientific and technology research which includes supervision, execution of research, interdisciplinary and multidisciplinary research, academic research collaboration with national and international institution/Universities, Government/private industry, government funded/ private funded projects, IPR and transfer of technology.

Objectives:

- Integrate research and education: Enable faculty members and

students to transform the knowledge into research by adding incremental improvement.

- Promote research potential of faculty members with their innovative ideas. Generation of patents and IPRs.
- Check Malpractices and Plagiarism in Research

Functions:

- Identification of thrust areas in Engineering and Sciences
- Up-gradation of Research laboratories, need based
- Research Journals Provide guidance for submitting proposals to various government and non-government funding agencies.
- Incentives for Research and IPR activities
- Joint Research with industries and Co-guides from universities of national and international repute.

The institute provides the following research facilities to motivate the students and research scholars within the campus for 24 X 7.

1. Digital library with international and national books and journals
2. Research laboratory
3. Advanced equipment, high end data systems, mathematical and analytical software for VLSI and Signal and Image processing
4. High speed internet facility with Wi-Fi
5. Access to plagiarism software
6. Residential facility as per requirement, expert lectures by eminent faculty members, industry experts.

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

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

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

2.68 Lakhs

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

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

2

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

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)

321.16582 Lakhs

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

3.2.2 - Number of teachers having research projects during the year

5

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/eandtc-engineering/researchGrants
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

27

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

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

3

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://dst.gov.in/
Any additional information	View File

3.3 - Innovation Ecosystem

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

Ecosystem for innovations and creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, incubation etc.

A. Research: The institute has various research facilities such as Digital library with international and national books and journals, Research laboratory, High speed internet facility with Wi-Fi, Access to plagiarism software etc. within the campus for 24 X 7.

In RSCOE, E&TC, Mechanical, Civil and MBA department has a dedicated research Center. The research scholars are awarded the PhD degree in the following disciplines are as below.

- E&TC Engineering Department Research Center - Completed 28, Pursuing 26
- Mechanical Engineering Department Research Center - Completed 15, Pursuing 11
- Civil Engineering Department Research Center -Completed 11, Pursuing 20

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

C. Community orientation, incubation Activities undertaken by the NSS, Shashwat Club unit are as follows: Awareness on usage of Electricity, Blood Donation, Sessions for school students, Workshops on energy conservation, Road Safety etc.

D. Incubation RSCOE Incubation center is working under the various research areas such as Agriculture and food processing (i.e. DST project), Electrical vehicles, Energy, Artificial Intelligence and Machine learning, Automation, Robotics and Drone Technology, Defence, environment, healthcare related projects. It helps the students in entrepreneurship and startups. It also guides for patent procedures and intellectual property rights.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/Incubation

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

105

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
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	View File
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

33

File Description	Documents
URL to the research page on HEI website	https://www.jspmrscoe.edu.in/research-and-development
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

48

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

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

13

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

3111

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

170

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

3.5 - Consultancy

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

17.36

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

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

21.10

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

3.6 - Extension Activities

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

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

RSCOE is committed to serve the society by conducting various extension activities.

NSS (National Service Scheme) club of RSCOE has conducted an event on Women's Empowerment Program. As a social responsibility towards society Blood Donation camp was organized at RSCOE in March 2022. Further, Covid-19 Vaccination camp was conducted at RSCOE in March 2022 under NSS.

To create environment awareness amongst students, the following activities like tree plantation, Energy Conservation Day activity is carried out at RSCOE in Sept. 2022.

Shashwat Club (Eco Sustainability Club) organized Healthy Diet Webinar for Health awareness. An event was organized on "Good Health and Wellbeing" in collaboration with the Shashwat Club in Feb. 2021. Shashwat Club organized Yoga Workshop on Feb 2021. Through this event, various precautions or safety measures that can be taken for a safe and environmentally friendly Ganesh festival were brought into the limelight.

Rotaract Club of RSCOE conducted activity of cloth donation to needy

people. To encourage more young voters to take part in the election Voters day is celebrated in Jan 2022 at RSCOE.

YIN Club: Young Inspirators Network is a club sponsored by Sakal Media group to inculcate Leadership, professional development amongst students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/activit-y-report-july2022-june2023

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

40

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
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)

27

File Description	Documents
Reports of the events organized	No File Uploaded
Any additional information	View File

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

3748

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

3.7 - Collaboration

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

2307

File Description	Documents
Copies of documents highlighting collaboration	View File
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)

47

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

The Institute has well defined procedures along with monitoring to ensure proper maintenance and utilization of infrastructure, laboratories, classrooms, seminar halls, auditoriums. Each department takes care of their respective classrooms, Labs and computing equipments.

Computer, IT , CSBS, MCA department have major computer labs. As per the syllabus of respective semester those softwares are installed for practical purpose. For example Python, Java, Advance Java , Databases, Data Structures etc. Intel, Linux, Multimedia, Research, project , Mac Lab etc are the dedicated Labs.

Mechanical department requires workshop for carrying out majority of practicals along with specific labs like CAD/CAM, Robotics, RAC Mechatronics etc. Accordingly they will require specific equipments.

Electrical & Electronics & Teelecommunication departments have their own setup for respectives laboratory sessions to be carried out, with specific set of equipments.

Civil department will have their own setup and equipments for carrying out their practical. Also First year engineering department will have their own physics, chemistry laboratories along with computer, mechanical,electrical , civil laborataries.

As per norms the classrooms are there and are managed by respective departments Head. Excluding the equipments/ computers required in labs there are printers, scanners , Internet facility in each department for departmental work.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/link-4-1-1

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

The institution prides itself on its comprehensive range of facilities designed to foster holistic development among its students. From cultural enrichment to physical well-being, every aspect is carefully curated to provide good environment for growth. Various sports facilities are regularly used for competitions & practice. The indoor and outdoor sports facilities regularly monitored. Sport director has been appointed by the institute to carry out sport activities. In Auditorium cultural activities are performed. Gymnasium, yoga centre is available to students. For those seeking mental tranquillity and inner balance, a dedicated yoga centre offers serene spaces for practice and meditation. The

institution recognizes the importance of fostering cultural diversity and expression. With a spacious auditorium at its disposal, it hosts a myriad of cultural activities, including performances, exhibitions, and seminars, encouraging students to embrace and celebrate their cultural heritage.

In essence, the institution's commitment to providing diverse facilities goes beyond mere infrastructure; it reflects a dedication to nurturing well-rounded individuals equipped with the skills and values necessary to thrive in a dynamic world. Through these facilities, students are empowered to explore their passions, cultivate their talents, and forge lifelong friendships, laying the foundation for a fulfilling academic journey and beyond.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/link-4-1-2

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

62

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

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

96.16195

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

4.2 - Library as a Learning Resource

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

Integrated Library Management System viz. Library Information Management (Auto Lib) Software is deployed for managing the library. The Institute's Library is automated since 2011. Auto Lib is integrated multi-user, multi-tasking, user friendly software. The issue return of the books, availability of the books for issue so student can know the availability of required books, pending books with students, Usage of specific book etc are all known with autolib software. From the time when the software is installed we get to know all the addition of books. If any special book facility is to be given to students it can be done through this software. Students details are also available in the software which can help to get temporary I-Card like facility for time being. All the books are bar-coded generated through Auto Lib software. Bar-Code Scanner, Document Printer, Document Scanner, Server Machine, Computer Systems are the ICT equipment Available in the Library.

Following modules available in software help library staff to work effectively.

1. Acquisition:
2. Cataloguing
3. Serial Control
4. Circulation
5. Web OPAC

Description of Library automation:

Name of software: Auto lib NG With Web OPAC

Nature of automation: partially

Year of Automation:: 2011

Version: Upgraded Web OPAC Version

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/Library

4.2.2 - Institution has access to the following: e- A. Any 4 or more of the above 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	View File
Upload any additional information	View File

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

30.16110

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

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

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

411

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

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

System administrator is responsible for proper utilization and maintenance of LAN, Internet and Wi-Fi facilities.

Repair and maintenance of Lab equipment and instruments is carried out by internal technicians under the guidance of System administrator.

Technical Aids such as Multimedia Projectors, Laptops, desktops, printers, Wi-Fi, LAN etc. are maintained by trained technicians.

The institution's robust IT policy, encompassing vital aspects such as Wi-Fi accessibility and cyber security measures, underscores its commitment to maintaining a secure and technologically advanced learning environment. This policy serves as a guiding framework to ensure the seamless integration and utilization of IT resources across campus, fostering an environment conducive to digital learning and innovation. By addressing areas such as Wi-Fi infrastructure, the institution strives to provide reliable and high-speed internet access, enabling students and faculty to leverage online resources, collaborate on projects, and engage in virtual learning experiences effectively. Moreover, the emphasis on cyber security underscores the institution's commitment to protecting sensitive data and maintaining the integrity of its digital infrastructure against cyber threats and breaches. Overall, the institution's proactive IT initiatives and budget allocations demonstrate its commitment to leveraging technology as a catalyst for academic excellence and institutional advancement.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/link-4-3-1

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4280	1172

File Description	Documents
Upload any additional information	No File Uploaded

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

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

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

A. All four of the above

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

4.4 - Maintenance of Campus Infrastructure

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

96.16195

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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

The Institute has well defined procedures along with monitoring to ensure proper maintenance and utilization of infrastructure, library, sports grounds, laboratories, classrooms, seminar halls, auditoriums. For the up keep of computers, LAN, internet, Wi-Fi and other ICT facilities separate provisions have been made under the supervision of system administrator.

System Administrator is responsible for managing and maintaining it. If there is any problem with the equipments(Computers,Printers or AC) in Lab the lab assistant will attend the problem. When problem is not addressed/solved then the system administrator looks into it. Further more if still issue is unsolved an external agency is called for resolving it.

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.

Well equipped library is there with the Intergrated software, digital library, online journals , Hardcopy journals along with books are there in the library.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/campus-life/facilities-available

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

2796

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

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

6

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

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

A. All of the above

File Description	Documents
Link to Institutional website	https://www.jspmrscoe.edu.in/details/activity-report-july2022-june2023
Details of capability development and schemes	View File
Any additional information	No File Uploaded

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

965

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

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

A. All of the above

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

5.2 - Student Progression

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

732

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

5.2.2 - Number of outgoing students progressing to higher education

52

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

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

23

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

5.3 - Student Participation and Activities

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

31

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/non-statutory-committee

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

28

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

5.4 - Alumni Engagement

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

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	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/alumni-testimonials

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

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/organization-chart

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, the following 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	View File
Upload any additional information	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/strategic-development-plan

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 like virtual labs and mini-projects. This approach fosters creativity, innovation, and industry readiness among students.

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

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

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 towards realizing the goals of better administration. The institute defined roles, responsibilities, and objectives. Moreover, key performance indicators—a set of targets and goals—have to be identified by members.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.jspmrscoe.edu.in/details/organization-chart
Upload any additional information	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/service-rules

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
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's dedication to staff welfare is evident through its array of thoughtful measures. A Group Insurance Scheme provides financial security, while Study Leaves empower staff to pursue advanced degrees and training. Reimbursement of expenses for conferences, Faculty Development Programs (FDP), Short Term Training Programs (STTP) and workshops encourages professional development. 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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/service-rules

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

10

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

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

8

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

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

183

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

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, and investment returns, as well as 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 2021-22 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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/audited-report-2022-23

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)

6.70

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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 (FDPs), orientation programs, workshops, interdisciplinary activities, and training programs, ensuring quality education delivery.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/audited-report-2022-23

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)

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

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

The 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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/achievement

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 both internal and external support. This includes conducting periodic academic and administrative audits and following up on their outcomes. 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 (IIC) 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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/igac

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	https://www.jspmrscoe.edu.in/details/first-meeting-2022-23
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	No File Uploaded
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Institute aimed at ensuring fairness and equality between genders. This concept goes beyond simply ensuring equality of opportunity, encompassing a broader vision where all individuals for, faculties, students and staff , regardless of gender, have equal rights, opportunities, and access to resources.

Institute put into action measures to prevent harassment, discrimination in the workplace, and to provide support. Support programs such as mentorship programs, counseling and affinity groups for female students to create a supportive environment.

Institute have active women empowerment cell and Internal complaints committee (ICC).

Objective of Internal complaints committee are,

- To provide a neutral, confidential and supportive environment for the members of campus community who may have been sexually harassed.
- To ensure fair and timely resolution of sexual harassment complaint.
- To provide counseling and support service on campus for students and faculties.
- To promote awareness about sexual harassment through educational initiative that fosters a respectful and safe campus environment.

Institute is also taking efforts for gender equality to empower and uplift women employees by,

- Organizing gender equality programs to educate men and women employees and students.
- Promoting equal representation in leadership roles for men and women.
- Arranging fitness programs and yoga activities for men and women..

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/women-diversity

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

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

Institute enables several techniques for the management of degradable and non-degradable waste. The focus is to reduce, reuse and recycle the waste. The Institute has different dustbins to segregate the different waste like solid and biomedical, etc. There are committees that deal with the minimization of waste. Every day the waste is collected in bins and disposed to a place where it can be converted into manure.

we should avoid plastic items to the best possible capacity. For solid waste management different bins are placed at different departments. This ensures that solid waste segregated at the source. It is also ensured that the recycling of all these components is done in minimum cost and labor. Suitable techniques are applied for disposing of solid waste. The garbage generated is preferably treated at the site of generation.

For biomedical waste there is a classification of the waste in hazardous and non-hazardous or infectious. Institute has a primary health center therefore; waste like plastic disposables, liquid waste are segregated and kept in storage then transported and finally sent for the treatment of the disposal.

The Institute has organized Swach Bharat Abhiyan. Under this banner the utility of recycling the solid and biomedical waste has been particularized.

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

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

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	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

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

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

Institution organized several activities to build and promote an environment for ethical, cultural, and spiritual values among the students and staff. To develop the emotional and religious feelings among the students and the faculty, commemorative days are celebrated on the campus with the initiative and support of the management for not only recreation and amusement but also to generate the feeling of oneness and social harmony.

Efforts and initiatives by institutions to foster an inclusive environment that promotes tolerance and harmony towards various diversities. Institute provides training and workshops for students, faculty, and staff to raise awareness about cultural, regional, socioeconomic, and other forms of diversity, as well as to promote understanding and respect.

Motivational lectures of eminent persons are arranged for all-round development of the students for and to make them responsible citizens following the national values of social and communal harmony and national integration. Besides academic and cultural activities, we have built up many strong infrastructures for a variety of sports activities for the physical development of the students. This way the institute provide exclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic, and other diversities

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

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

Institute sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to behave as a responsible citizen. Sensitizing students and employees of an institution to their constitutional obligations, values, rights, duties, and responsibilities as citizens is crucial for fostering a culture of civic engagement, responsibility, and respect for the rule of law

The institute conducts regular training Programmes to develop competencies and trainers are arranged for the training Programmes. Seminars, workshops, conferences etc. are organized by the College every year.

The library has an excellent collection of reference books and journals which are available to the faculty members. WIFI facility is also provided. The institute regularly conducts research workshops to familiarize the new teachers with the research process and sharpen the skills of the senior teachers. The management

encourages the teaching staff to take up Minor and Major research projects. Any help needed in this direction is extended by the Management.

The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities by inviting prominent people. The institute conducted awareness programs on the cleanliness and blood donation camp etc. involving students.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

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	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	No File Uploaded

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

Celebrating national and international commemorative days, events, and festivals is an excellent way for an institution to foster a

sense of community, promote awareness, and encourage cultural exchange.

The institution has been celebrating the international and national commemorative days, events and festivals regularly. It has conducted several related activities to maintain harmony and healthy work atmosphere and to make the learners aware of the national pride and rich cultural heritage.

Every year institute celebrates National Festivals i.e. Independence Day on 15th August and Republic Day on 26th January. After unfurling the flag, students sing the National Anthem and other patriotic songs. The institute also organizes the Teacher's Day every year on September 5th in memory of Dr. S. Radha Krishnan, former President of India. Eminent educationists and teachers are invited to deliver the Teacher's Day.

Some of the commemorative days, events and festivals includes: National Unity Day/Week are observed to commemorate are birth anniversary of Savitribai Phule, Shivaji Maharaj Jayanti, Rajarshi Shahu Jayanti.

By actively participating in and organizing these national and international commemorative days, events, and festivals, the institution can create a vibrant and inclusive campus culture that values diversity, promotes awareness, and inspires positive social change.

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

7.2 - Best Practices

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

1. Title of the Best Practice: Shaashwat Eco sustainability club for sustainable energy
2. Title of the Best Practice: YIN Club to inspire youth for nation building.

The Context: Every engineering discipline has specific field to work on. If Students have awareness and experience of various projects of sustainability, they can use knowledge and experience gained in practical life to build eco-system which is having Sustainable energy management. Our institute has stated this practice since 2017 with students involvement in various activities like, waste water management, green energy, mental health and stress management related activities, Yoga workshop, organizing various expert sessions to create awareness a sense of social responsibility among students and staff.

1. Objectives of the Practice

- To develop awareness about life skills and physical fitness.
- To develop awareness, about environmental sustainability and green energy.
- To organize various activities like celebration of world environmental day, organizing expert lecture on sustainability, activities like "Journey of River" to spared awareness on pollution of river etc.
- To develop leadership qualities.
- To inculcate the values of "generosity" and a "sense of social responsibility" among the students.
- Creating synchronization of the academic, cultural, and social environment of the institution.

File Description	Documents
Best practices in the Institutional website	https://www.jspmrscoe.edu.in/details/institute-best-practices-2022-2023
Any other relevant information	https://www.jspmrscoe.edu.in/details/institute-best-practices-2023-2024

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)

Competitive Exam Cell under Quality Circle (QC)

Quality Circle Forum of India (QCFI) is recognized as the institution representing, the Quality Circle Movement in India and has represented the country in several international forums. The organization has successfully implemented Quality concepts under the

TQM umbrella across several industry verticals that have experienced a phenomenal enhancement of their work processes and productivity after implementation of Quality Concept Tools.

To date, QCFI has organized three international conventions in India. In addition, chapter convention and National convention are held every year where members present case studies and technical papers are discussed by leading Quality Concept Practitioners.

Using different quality tools, we have identified problem in our institute and started our team as

Competitive Exam Cell (CEC) and conducted different activities under this team to solve identified problem.

The main motive of club is to spread awareness about job opportunities in Public Sectors, to enhance 'Officer like Qualities' (OLQ's) and to develop communication skills by organizing events like Debate, Essay Writing, etc

CEC is a unique platform where they can prepare with like-minded students and excel in competitive exams. Also, their communication skills and OLQ's will be nurtured in CEC.

Please refer URL:

https://www.jspmrscoe.edu.in/details/Institute_Distinctivnes

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The Institute has a meticulous procedure for development, revision and implementation of curriculum and is aligned with the local, national, regional and global developmental needs. The Institute follows the OBE process and these are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes. The attainment of CO, PO and PSOs are systematically evaluated and action taken thereof. An effective implementation of OBE ensures that our graduating engineers can compete on a global platform, and have expected global attributes. The academic autonomy provides the opportunity to frequently revise the curriculum based on needs and suggestions of the stake holders. There is a flexibility in curriculum which encourages students to benefit from the online courses like NPTEL/SWAYAM/MOOC and also contains courses relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability. The Curricula underwent major revisions wherein skill developing activities like field projects, internships and entrepreneurship were introduced and is reflected in revised syllabus of the PG and UG Programmes. Honors, Major and Minor Courses are offered. The Curriculum is designed as per the new National Educational Policy (NEP) 2020 to ensure the students have the required knowledge, skills and attitude towards lifelong learning.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.jspmrscoe.edu.in/details/CO-PO-PSO1

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

2

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

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

101

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

1.2 - Academic Flexibility

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

134

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

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

12

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

1.3 - Curriculum Enrichment

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

Gender-Equality: Same dress code is prescribed for both the genders and equal opportunities are given for participation in student council, class representation, training programs, placement opportunities, co-curricular & extracurricular activities. Internal Complaint Committee is formed to resolve grievances of girls if any.

Environmental-and-Sustainability: Students have a compulsory course on Environmental Studies in their curriculum. This year 'Green Club' has been introduced with the aim to empower youth with water stewardship. The Institute is a part of 'Unnat Bharat Abhiyan (UBA)', an initiative taken up by the MHRD to uplift rural India. The Institute has received a grant for the research project "Long lasting Dhoop batti"/ Insects repellent from Organic Solid Waste for Sustainable Income Generation" through UBA.

Professional Ethics : Courses like Professional Practices in Civil Engineering, Business Management, Fundamentals of Management and Strategy formulation are introduced in curriculum. Plagiarism check is mandatory for research projects and publications. All the post-graduate courses have incorporated research methodology as a mandatory course.

Human Values : A compulsory course on Professional Ethics and Values is offered. The students are encouraged to practise the principles learnt in classrooms in their life. The faculty members teaching the course have undertaken relevant workshops offered by AICTE.

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	View File
Any additional information	View File

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

22

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

1100

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

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

2206

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

1.4 - Feedback System

1.4.1 - Structured feedback and review of the **A. All 4 of the above**

syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

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

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	https://jspmrscoe.edu.in/details/Stakeholder
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

1111

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

609

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

The institution assesses the learning levels of the students in 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: Remedial Classes are conducted with an aim to improve the academic performance. Academic and personal counseling. 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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/guidance-and-counseling

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2022	4280	215

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

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 long-lasting. 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 bring students 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	View File
Link for additional Information	https://www.jspmrscoe.edu.in/automation-and-robotics/innovation-practices

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

The pandemic has forced us to shift to a virtual mode of learning. Information and Communication Technology (ICT) has helped to survive and adapt to the new ways of learning. Considering the various challenges, efforts have been made to optimize the potential of the existing and new educational platforms to be made available for students. Institute facilitated the extensive use of MOODLE which helps faculties to create their own dynamic course contents that extend learning, anytime, anywhere. Students use online virtual laboratories developed under MHRD-IIT for demonstration of experiments that helps them in learning through remote experimentation. Our customize Moodle 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. 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.

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

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

2.3.3.1 - Number of mentors

215

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

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

Academic calendar prepared and adhered for conduct of Examination and other related matters: Academic Co-ordinator prepares academic calendar for each semester in line with Academic Calendar of affiliated university 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. GFM is a guardian faculty member of a particular class who plays important role in mentoring of students, monitoring their attendance, preparation of monthly attendance. GFM also acts as mediator between institute and parents. 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. This system helps in overall development, achievement of students which is beneficial for growth of the institute. Principal as a head of institute monitors whole system at the academic as well as at the administrative level.

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

2.4 - Teacher Profile and Quality

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

215

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

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

63

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

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

1642.36

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

30

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

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

176

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
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. MOODLE 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 Moodle. 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	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/examination

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

Every course, Course Outcomes (CO) are framed considering Bloom's 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. Learning activities related to the outcome must be a required part of the course, but there is no minimum performance requirement for the students to meet. 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 department designs and defines the evaluation scheme to gather the assessment data in consultation with DAB along with guidelines published by regulatory bodies from time to time. The Module Coordinator and Program Coordinator ensure effectiveness of the CO communication process.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://www.jspmrscoe.edu.in/details/CO-PO-PSO1

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 university 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 advisory board (DAB) 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	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/attainment

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**

1135

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://www.jspmrscoe.edu.in/details/activity-report-july2022-june2023

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-22-23>

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

Research and Development cell

The research and development (R&D) cell was established to promote research activities of the faculty members, scholars and students of college. The R&D cell was set-up with the objectives of developing the strategic plan for scientific and technology research which includes supervision, execution of research, interdisciplinary and multidisciplinary research, academic research collaboration with national and international institution/Universities, Government/private industry, government funded/ private funded projects, IPR and transfer of technology.

Objectives:

- Integrate research and education: Enable faculty members

and students to transform the knowledge into research by adding incremental improvement.

- Promote research potential of faculty members with their innovative ideas. Generation of patents and IPRs.
- Check Malpractices and Plagiarism in Research

Functions:

- Identification of thrust areas in Engineering and Sciences
- Up-gradation of Research laboratories, need based
- Research Journals Provide guidance for submitting proposals to various government and non-government funding agencies.
- Incentives for Research and IPR activities
- Joint Research with industries and Co-guides from universities of national and international repute.

The institute provides the following research facilities to motivate the students and research scholars within the campus for 24 X 7.

1. Digital library with international and national books and journals
2. Research laboratory
3. Advanced equipment, high end data systems, mathematical and analytical software for VLSI and Signal and Image processing
4. High speed internet facility with Wi-Fi
5. Access to plagiarism software
6. Residential facility as per requirement, expert lectures by eminent faculty members, industry experts.

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

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

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

2.68 Lakhs

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

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

2

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

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)	
321.16582 Lakhs	
File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded
3.2.2 - Number of teachers having research projects during the year	
5	
File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/eandtc-engineering/researchGrants
List of research projects during the year	View File
3.2.3 - Number of teachers recognised as research guides	
27	
File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File
3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year	
3	

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://dst.gov.in/
Any additional information	View File

3.3 - Innovation Ecosystem

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

Ecosystem for innovations and creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, incubation etc.

A. Research: The institute has various research facilities such as Digital library with international and national books and journals, Research laboratory, High speed internet facility with Wi-Fi, Access to plagiarism software etc. within the campus for 24 X 7.

In RSCOE, E&TC, Mechanical, Civil and MBA department has a dedicated research Center. The research scholars are awarded the PhD degree in the following disciplines are as below.

- E&TC Engineering Department Research Center - Completed 28, Pursuing 26
- Mechanical Engineering Department Research Center - Completed 15, Pursuing 11
- Civil Engineering Department Research Center -Completed 11, Pursuing 20

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

C. Community orientation, incubation Activities undertaken by the NSS, Shashwat Club unit are as follows: Awareness on usage of

Electricity, Blood Donation, Sessions for school students, Workshops on energy conservation, Road Safety etc.

D. Incubation RSCOE Incubation center is working under the various research areas such as Agriculture and food processing (i.e. DST project), Electrical vehicles, Energy, Artificial Intelligence and Machine learning, Automation, Robotics and Drone Technology, Defence, environment, healthcare related projects. It helps the students in entrepreneurship and startups. It also guides for patent procedures and intellectual property rights.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/Incubation

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

105

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
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	View File
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

33

File Description	Documents
URL to the research page on HEI website	https://www.jspmrscoe.edu.in/research-and-development
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

48

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

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

13

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

3111

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

170

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

3.5 - Consultancy

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

17.36

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

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

21.10

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

3.6 - Extension Activities

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

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

RSCOE is committed to serve the society by conducting various extension activities.

NSS (National Service Scheme) club of RSCOE has conducted an event on Women's Empowerment Program. As a social responsibility towards society Blood Donation camp was organized at RSCOE in March 2022. Further, Covid-19 Vaccination camp was conducted at

RSCOE in March 2022 under NSS.

To create environment awareness amongst students, the following activities like tree plantation, Energy Conservation Day activity is carried out at RSCOE in Sept. 2022.

Shashwat Club (Eco Sustainability Club) organized Healthy Diet Webinar for Health awareness. An event was organized on "Good Health and Wellbeing" in collaboration with the Shashwat Club in Feb. 2021. Shashwat Club organized Yoga Workshop on Feb 2021. Through this event, various precautions or safety measures that can be taken for a safe and environmentally friendly Ganesh festival were brought into the limelight.

Rotaract Club of RSCOE conducted activity of cloth donation to needy people. To encourage more young voters to take part in the election Voters day is celebrated in Jan 2022 at RSCOE.

YIN Club: Young Inspirators Network is a club sponsored by Sakal Media group to inculcate Leadership, professional development amongst students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/activity-report-july2022-june2023

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

40

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
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)

27

File Description	Documents
Reports of the events organized	No File Uploaded
Any additional information	View File

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

3748

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

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

2307

File Description	Documents
Copies of documents highlighting collaboration	View File
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)

47

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

The Institute has well defined procedures along with monitoring to ensure proper maintenance and utilization of infrastructure, laboratories, classrooms, seminar halls, auditoriums. Each department takes care of their respective classrooms, Labs and computing equipments.

Computer, IT , CSBS, MCA department have major computer labs. As per the syllabus of respective semester those softwares are installed for practical purpose. For example Python, Java, Advance Java , Databases, Data Structures etc. Intel, Linux, Multimedia, Research, project , Mac Lab etc are the dedicated Labs.

Mechanical department requires workshop for carrying out majority of practicals along with specific labs like CAD/CAM, Robotics, RAC Mechatronics etc. Accordingly they will require specific equipments.

Electrical & Electronics & Telecommunication departments have their own setup for respective laboratory sessions to be carried out, with specific set of equipments.

Civil department will have their own setup and equipments for carrying out their practical. Also First year engineering department will have their own physics, chemistry laboratories along with computer, mechanical, electrical , civil laboratories.

As per norms the classrooms are there and are managed by respective departments Head. Excluding the equipments/ computers required in labs there are printers, scanners , Internet facility in each department for departmental work.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/link-4-1-1

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

The institution prides itself on its comprehensive range of facilities designed to foster holistic development among its students. From cultural enrichment to physical well-being, every aspect is carefully curated to provide good environment for growth. Various sports facilities are regularly used for competitions & practice. The indoor and outdoor sports facilities regularly monitored. Sport director has been appointed by the institute to carry out sport activities. In Auditorium cultural activities are performed. Gymnasium, yoga centre is available to students. For those seeking mental tranquillity and inner balance, a dedicated yoga centre offers serene spaces for practice and meditation. The institution recognizes the importance of fostering cultural diversity and expression. With a spacious auditorium at its disposal, it hosts a myriad of cultural activities, including performances, exhibitions, and seminars, encouraging students to embrace and celebrate their cultural heritage.

In essence, the institution's commitment to providing diverse facilities goes beyond mere infrastructure; it reflects a dedication to nurturing well-rounded individuals equipped with the skills and values necessary to thrive in a dynamic world. Through these facilities, students are empowered to explore their passions, cultivate their talents, and forge lifelong friendships, laying the foundation for a fulfilling academic journey and beyond.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/link-4-1-2

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

62

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

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

96.16195

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

4.2 - Library as a Learning Resource

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

Integrated Library Management System viz. Library Information Management (Auto Lib) Software is deployed for managing the library. The Institute's Library is automated since 2011. Auto Lib is integrated multi-user, multi-tasking, user friendly software. The issue return of the books , availability of the books for issue so student can know the availabilty of required books, pending books with students, Usage of specific book etc are all known with autolib software. From the time when the software is installed we get to know all the addition of books. If any special book facility is to be given to students it can be done through this software. Students details are also available in the software which can help to get temporary I-Card like facility for time being. All the books are bar-coded generated through Auto Lib software. Bar-Code Scanner, Document Printer, Document Scanner, Server Machine, Computer Systems are the ICT equipment Available in the Library.

Following modules available in software help library staff to work effectively.

1. Acquisition:
2. Cataloguing
3. Serial Control
4. Circulation
5. Web OPAC

Description of Library automation:

Name of software: Auto lib NG With Web OPAC

Nature of automation: partially

Year of Automation:: 2011

Version: Upgraded Web OPAC Version

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/Library

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

A. Any 4 or more of the above

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

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

30.16110

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

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

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

411

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

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

System administrator is responsible for proper utilization and maintenance of LAN, Internet and Wi-Fi facilities.

Repair and maintenance of Lab equipment and instruments is carried out by internal technicians under the guidance of System administrator.

Technical Aids such as Multimedia Projectors, Laptops, desktops, printers, Wi-Fi, LAN etc. are maintained by trained technicians.

The institution's robust IT policy, encompassing vital aspects such as Wi-Fi accessibility and cyber security measures, underscores its commitment to maintaining a secure and technologically advanced learning environment. This policy serves as a guiding framework to ensure the seamless integration and utilization of IT resources across campus, fostering an environment conducive to digital learning and innovation. By addressing areas such as Wi-Fi infrastructure, the institution strives to provide reliable and high-speed internet access, enabling students and faculty to leverage online resources, collaborate on projects, and engage in virtual learning

experiences effectively. Moreover, the emphasis on cyber security underscores the institution's commitment to protecting sensitive data and maintaining the integrity of its digital infrastructure against cyber threats and breaches. Overall, the institution's proactive IT initiatives and budget allocations demonstrate its commitment to leveraging technology as a catalyst for academic excellence and institutional advancement.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/link-4-3-1

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4280	1172

File Description	Documents
Upload any additional information	No File Uploaded

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

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

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

A. All four of the above

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

4.4 - Maintenance of Campus Infrastructure

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

96.16195

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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

The Institute has well defined procedures along with monitoring to ensure proper maintenance and utilization of infrastructure, library, sports grounds, laboratories, classrooms, seminar halls, auditoriums. For the up keep of computers, LAN, internet, Wi-Fi and other ICT facilities separate provisions have been made under the supervision of system administrator.

System Administrator is responsible for managing and maintaining it. If there is any problem with the equipments(Computers, Printers or AC) in Lab the lab assistant will attend the problem. When problem is not addressed/solved then the system administrator looks into it. Further more if still issue is unsolved an external agency is called for resolving it.

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.

Well equipped library is there with the Intergrated software, digital library, online journals , Hardcopy journals along with books are there in the library.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/campus-life/facilities-available

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

2796

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

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

6

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and

A. All of the above

Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	
File Description	Documents
Link to Institutional website	https://www.jspmrscoe.edu.in/details/activity-report-july2022-june2023
Details of capability development and schemes	View File
Any additional information	No File Uploaded
5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year	
965	
File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File
5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	A. All of the above

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

5.2 - Student Progression

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

732

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

5.2.2 - Number of outgoing students progressing to higher education

52

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

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

23

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

5.3 - Student Participation and Activities

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

31

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/non-statutory-committee

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

28

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

5.4 - Alumni Engagement

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

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	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/alumni-testimonials

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/organisation-chart

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, the following 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	View File
Upload any additional information	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/strategic-development-plan

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 like virtual labs and mini-projects. This approach fosters creativity, innovation, and industry readiness among students.

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

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

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 towards realizing the goals of better administration. The institute defined roles, responsibilities, and objectives. Moreover, key performance indicators—a set of targets and goals—have to be identified by members.

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

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
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's dedication to staff welfare is evident through its array of thoughtful measures. A Group Insurance Scheme provides financial security, while Study Leaves empower staff to pursue advanced degrees and training. Reimbursement of expenses for conferences, Faculty Development Programs (FDP), Short Term Training Programs (STTP) and workshops encourages professional development. 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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/service-rules

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

10

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

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

8

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

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

183

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

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, and investment returns, as well as 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 2021-22 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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/details/audited-report-2022-23

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)

6.70

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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 (FDPs), orientation programs, workshops, interdisciplinary activities, and training programs, ensuring quality education delivery.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/audit-ed-report-2022-23

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)

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

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

The 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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/achievement

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 both internal and external support. This includes conducting periodic academic and administrative audits and following up on their outcomes. 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 (IIC) 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	View File
Paste link for additional information	https://www.jspmrscoe.edu.in/igac

<p>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)</p>	<p>A. Any 4 or all of the above</p>
<p>File Description</p>	<p>Documents</p>
<p>Paste the web link of annual reports of the Institution</p>	<p>https://www.jspmrscoe.edu.in/details/first-meeting-2022-23</p>
<p>Upload e-copies of accreditations and certification</p>	<p>View File</p>
<p>Upload details of quality assurance initiatives of the institution</p>	<p>No File Uploaded</p>
<p>Upload any additional information</p>	<p>View File</p>
<p>INSTITUTIONAL VALUES AND BEST PRACTICES</p>	
<p>7.1 - Institutional Values and Social Responsibilities</p>	
<p>7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year</p>	
<p>Institute aimed at ensuring fairness and equality between genders. This concept goes beyond simply ensuring equality of opportunity, encompassing a broader vision where all individuals for, faculties, students and staff , regardless of gender, have equal rights, opportunities, and access to resources.</p> <p>Institute put into action measures to prevent harassment, discrimination in the workplace, and to provide support. Support programs such as mentorship programs, counseling and affinity groups for female students to create a supportive environment.</p> <p>Institute have active women empowerment cell and Internal complaints committee (ICC).</p> <p>Objective of Internal complaints committee are,</p> <ul style="list-style-type: none"> To provide a neutral, confidential and supportive 	

environment for the members of campus community who may have been sexually harassed.

- To ensure fair and timely resolution of sexual harassment complaint.
- To provide counseling and support service on campus for students and faculties.
- To promote awareness about sexual harassment through educational initiative that fosters a respectful and safe campus environment.

Institute is also taking efforts for gender equality to empower and uplift women employees by,

- Organizing gender equality programs to educate men and women employees and students.
- Promoting equal representation in leadership roles for men and women.
- Arranging fitness programs and yoga activities for men and women..

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.jspmrscoe.edu.in/details/women-diversity

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

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

Institute enables several techniques for the management of degradable and non-degradable waste. The focus is to reduce, reuse and recycle the waste. The Institute has different dustbins

to segregate the different waste like solid and biomedical, etc. There are committees that deal with the minimization of waste. Every day the waste is collected in bins and disposed to a place where it can be converted into manure.

we should avoid plastic items to the best possible capacity. For solid waste management different bins are placed at different departments. This ensures that solid waste segregated at the source. It is also ensured that the recycling of all these components is done in minimum cost and labor. Suitable techniques are applied for disposing of solid waste. The garbage generated is preferably treated at the site of generation.

For biomedical waste there is a classification of the waste in hazardous and non-hazardous or infectious. Institute has a primary health center therefore; waste like plastic disposables, liquid waste are segregated and kept in storage then transported and finally sent for the treatment of the disposal.

The Institute has organized Swachh Bharat Abhiyan. Under this banner the utility of recycling the solid and biomedical waste has been particularized.

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

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 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	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded
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: <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	A. Any 4 or all of the above

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

<p>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.</p>	<p>A. Any 4 or all of the above</p>
--	--

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

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

Institution organized several activities to build and promote an environment for ethical, cultural, and spiritual values among the students and staff. To develop the emotional and religious feelings among the students and the faculty, commemorative days are celebrated on the campus with the initiative and support of

the management for not only recreation and amusement but also to generate the feeling of oneness and social harmony.

Efforts and initiatives by institutions to foster an inclusive environment that promotes tolerance and harmony towards various diversities. Institute provides training and workshops for students, faculty, and staff to raise awareness about cultural, regional, socioeconomic, and other forms of diversity, as well as to promote understanding and respect.

Motivational lectures of eminent persons are arranged for all-round development of the students for and to make them responsible citizens following the national values of social and communal harmony and national integration. Besides academic and cultural activities, we have built up many strong infrastructures for a variety of sports activities for the physical development of the students. This way the institute provide exclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic, and other diversities

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

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

Institute sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to behave as a responsible citizen. Sensitizing students and employees of an institution to their constitutional obligations, values, rights, duties, and responsibilities as citizens is crucial for fostering a culture of civic engagement, responsibility, and respect for the rule of law

The institute conducts regular training Programmes to develop competencies and trainers are arranged for the training Programmes. Seminars, workshops, conferences etc. are organized by the College every year.

The library has an excellent collection of reference books and

journals which are available to the faculty members. WIFI facility is also provided. The institute regularly conducts research workshops to familiarize the new teachers with the research process and sharpen the skills of the senior teachers. The management encourages the teaching staff to take up Minor and Major research projects. Any help needed in this direction is extended by the Management.

The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities by inviting prominent people. The institute conducted awareness programs on the cleanliness and blood donation camp etc. involving students.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

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	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	No File Uploaded

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

Celebrating national and international commemorative days, events, and festivals is an excellent way for an institution to foster a sense of community, promote awareness, and encourage cultural exchange.

The institution has been celebrating the international and national commemorative days, events and festivals regularly. It has conducted several related activities to maintain harmony and healthy work atmosphere and to make the learners aware of the national pride and rich cultural heritage.

Every year institute celebrates National Festivals i.e. Independence Day on 15th August and Republic Day on 26th January. After unfurling the flag, students sing the National Anthem and other patriotic songs. The institute also organizes the Teacher's Day every year on September 5th in memory of Dr. S. Radha Krishnan, former President of India. Eminent educationists and teachers are invited to deliver the Teacher's Day.

Some of the commemorative days, events and festivals includes: National Unity Day/Week are observed to commemorate are birth anniversary of Savitribai Phule, Shivaji Maharaj Jayanti, Rajarshi Shahu Jayanti.

By actively participating in and organizing these national and international commemorative days, events, and festivals, the institution can create a vibrant and inclusive campus culture that values diversity, promotes awareness, and inspires positive social change.

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

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the

prescribed format of NAAC

1. Title of the Best Practice: Shaashwat Eco sustainability club for sustainable energy
2. Title of the Best Practice: YIN Club to inspire youth for nation building.

The Context: Every engineering discipline has specific field to work on. If Students have awareness and experience of various projects of sustainability, they can use knowledge and experience gained in practical life to build eco-system which is having Sustainable energy management. Our institute has stated this practice since 2017 with students involvement in various activities like, waste water management, green energy, mental health and stress management related activities, Yoga workshop, organizing various expert sessions to create awareness a sense of social responsibility among students and staff.

1. Objectives of the Practice

- To develop awareness about life skills and physical fitness.
- To develop awareness, about environmental sustainability and green energy.
- To organize various activities like celebration of world environmental day, organizing expert lecture on sustainability, activities like "Journey of River" to spared awareness on pollution of river etc.
- To develop leadership qualities.
- To inculcate the values of "generosity? and a "sense of social responsibility" among the students.
- Creating synchronization of the academic, cultural, and social environment of the institution.

File Description	Documents
Best practices in the Institutional website	https://www.jspmrscoe.edu.in/details/institute-best-practices-2022-2023
Any other relevant information	https://www.jspmrscoe.edu.in/details/institute-best-practices-2023-2024

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)

Competitive Exam Cell under Quality Circle (QC)

Quality Circle Forum of India (QCFI) is recognized as the institution representing, the Quality Circle Movement in India and has represented the country in several international forums. The organization has successfully implemented Quality concepts under the TQM umbrella across several industry verticals that have experienced a phenomenal enhancement of their work processes and productivity after implementation of Quality Concept Tools.

To date, QCFI has organized three international conventions in India. In addition, chapter convention and National convention are held every year where members present case studies and technical papers are discussed by leading Quality Concept Practitioners.

Using different quality tools, we have identified problem in our institute and started our team as

Competitive Exam Cell (CEC) and conducted different activities under this team to solve identified problem.

The main motive of club is to spread awareness about job opportunities in Public Sectors, to enhance 'Officer like Qualities' (OLQ's) and to develop communication skills by organizing events like Debate, Essay Writing, etc

CEC is a unique platform where they can prepare with like-minded students and excel in competitive exams. Also, their communication skills and OLQ's will be nurtured in CEC.

Please refer URL:

https://www.jspmrscoe.edu.in/details/Institute_Distinctivnes

File Description	Documents
Appropriate link in the institutional website	https://www.jspmrscoe.edu.in/details/institute-distinctiveness
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- To enhance NIRF ranking amongst top 200 engineering institutions during academic year 2023-24.

- Planning for NEP implementation wef 2023-24.
- Planning for Community and societal activities through EPICS Purdue University USA
- To achieve ARIIA ranking amongst top 50 institutions in India.
- Implementation of Strategic Development Plan 'RSCOE Vision-2025' based on five year strategic plan and will implement the same through Key Result Areas (KRAs).
- Focus on experiential learning and problem/project based delivery and assessment. Institute has decided to strengthen the OBE by focusing on active learning and problem/project based delivery and assessment.
- The institute has planned IEEE International Conference on Computing, Communication and Green Engineering (CCGE24).

- Enhance "Innovation Fund" for supporting Innovative Projects and Startup.
- Planning for faculty awards based on research and publications.
- Planning for multidisciplinary electives and courses