



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution	Modern Education Society's College of Engineering, Pune -01
• Name of the Head of the institution	Dr. M.P.Dale
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02026163831
• Mobile no	9422362809
• Registered e-mail	principal@mescoepune.org
• Alternate e-mail	mescoenaac@gmail.com
• Address	19, Late Prin. V.K. Joag Path, Bund Garden Road, Pune-01, M.S. India.
• City/Town	Pune
• State/UT	Maharashtra
• Pin Code	411001
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	Self-financing				
• Name of the Affiliating University	Savitribai Phule Pune University, Pune				
• Name of the IQAC Coordinator	Dr. Pranoti Prashant Mane				
• Phone No.	02026163831				
• Alternate phone No.	02026160781				
• Mobile	8806661816				
• IQAC e-mail address	pranoti.mane@mescoepune.org				
• Alternate Email address	mescoenaac@gmail.com				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://mescoe.mespune.org/national-assessment-and-accreditation-council/				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://mescoe.mespune.org/wp-content/uploads/2024/01/Academic-Calendar-2022-23-Sem-II.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.13	2015	14/09/2015	13/09/2020
Cycle 2	A++	3.54	2022	11/10/2022	10/10/2027
6.Date of Establishment of IQAC			13/12/2014		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. V. N. Chougule	AICTE-MODROB	AICTE	02-02-2021 - 01-02-2023	17,56,863 /-
Dr. M. P. Dale, Ms. Vaishali Kamble	Research	Department of Science and Technology	06-09-2021 - 05-09-2024	24.98 Lakh

8. Whether composition of IQAC as per latest NAAC guidelines	Yes		
<ul style="list-style-type: none"> Upload latest notification of formation of IQAC 	View File		
9.No. of IQAC meetings held during the year	02		
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes		
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded		
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No		
<ul style="list-style-type: none"> If yes, mention the amount 			

11. Significant contributions made by IQAC during the current year (maximum five bullets)
<p>The institution systematically reviews its teaching-learning process, structures, methodologies, and learning outcomes at regular intervals to ensure continuous improvement. This is achieved through the Internal Quality Assurance Cell (IQAC), established as per the prescribed norms. The IQAC plays a vital role in evaluating and enhancing the academic and operational frameworks of the institution.</p>
Preparation of reports for NBA, NIRF and NAAC

Periodic reviews are conducted by the IQAC through principal meeting with HOD and Dean to assess the effectiveness of teaching strategies, curriculum delivery, Feedback and student performance.

Sports and other Cultural activities are to be conducted for the students

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

Plan of Action	Achievements/Outcomes
<p>Industry-Institute Interaction</p>	<p>The IQAC facilitated 13 MOUs with industry partners, supporting internships and placements. Highlights included:</p> <ul style="list-style-type: none"> • 16 guest lectures on topics like Radiation and Microwave Theory. • 5 workshops on Deep Learning, Embedded Systems, and IoT. • 2 industrial visits to GMRT Narayangaon. • 317 internships and 118 placements in companies like TCS and Persistent. • 6 scholarships for meritorious students. These initiatives enhanced student exposure to real-world applications, boosting employability.
<p>Student Skill Development</p>	<p>To further employability, IQAC initiated workshops in AI and Cloud Computing. The Institution's Innovation Council promoted entrepreneurship through seminars on innovation and startups. A faculty development program on Cloud Computing and Machine Learning was also conducted to enhance teaching quality.</p>
<p>Teaching-Learning Review</p>	<p>Regular reviews of teaching processes by IQAC ensured continuous improvements in academic and administrative activities.</p>
<p>Workshops and Webinars</p>	<p>IQAC initiated 16 guest lectures and 5 workshops on technology trends. National-level conferences and events like IETE Project competitions encouraged research and allowed students to showcase their skills</p>

13. Whether the AQAR was placed before statutory body?	Yes
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- Name of the statutory body

Name	Date of meeting(s)
IQAC	14/10/2022

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2022-2023	15/02/2024

15. Multidisciplinary / interdisciplinary

All programmes are designed in such a way that students get maximum flexibility to choose elective courses offered in other specializations. A significant achievement was the establishment of the Automation and Robotics Department to drive innovation in emerging technologies. Multidisciplinary / interdisciplinary honours courses conducted by the Institute at the free of cost.

16. Academic bank of credits (ABC):

Students have enrolled for the Academic bank credits through SPPU portal.

17. Skill development:

The students are main stakeholders of the institute, so there is maximum involvement of students in various activities and committees. There are student representatives in various committees like Anti-Ragging Committee, Internal committee, IQAC etc. to contribute in fulfilling administrative responsibilities. Also there is Alumni Representative in Departmental Advisory Board. College has Student Development committee under board of student development of SPPU. Co-curricular and extracurricular Activities .As co-curricular activities students are dynamically involving in various clubs like roboclub, designers club, Nakshatra astronomy club, enthusiast club, Google developer club etc. and participate and win prizes every year in various inter-college/university competitions. .All the departments have student association: Association of Computer Engineers (ACE), Electronics & Telecommunication Engineering Students' Association (ETSA), Mechanical Engineering Students' Association (MESA). It provides platform for students to apply

their knowledge and develop their skills. Under these associations various activities are organized comprising of various technical competitions like Walk through the gates, Knowelex, Technical Quiz, Ohm-factor, workshop on mobile assembling etc. Additionally, college encourages students to participate in National and International technical events like Techfest (IIT Bombay), Robo Con, BAJA by SAE Indiaetc with financial assistance and infrastructural facilities.

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

Savitribai Phule Pune University (SPPU) integrates essential cross-cutting issues such as Professional Ethics, Gender, Human Values, Environment, and Sustainability into its curriculum, spanning from the first year (FE) to the final year (BE) of engineering programs. To instill these values, mandatory audit courses on ecology, democracy, election governance, and various elective courses in the second and third years are offered, allowing students to choose based on their interests. Additionally, an orientation program introduces first-year students to campus life and these critical societal issues. The institute actively supports student engagement and awareness through the National Service Scheme (NSS), Student Development/Welfare Organization (SDO/SWO), and other committees, organizing events like personality development and self-defense workshops for girls and health workshops. The campus boasts energy-saving initiatives, including solar power installations, a biogas plant, and water conservation systems. Projects like vermicomposting and liquid waste management reflect the institute's commitment to environmental stewardship. Engaging students in NSS activities and annual events like blood donation drives and thanksgiving activities, the institute promotes the development of human values and social responsibility, emphasizing the importance of community service and environmental sustainability. The college has undertaken following activities which have benefitted the neighbouring community while sensitizing the students to techno-social issues. The said domains of activity include Technology advancement, Social and Community service, Public health & safety and Environmental protection. The institution promotes gender sensitization through co-curricular activities like workshops, seminars, guest lectures and counselling by Parent Teacher etc. In accordance with the Nirbhay Kanya Abhiyaan scheme introduced by the Board of student development, SPPU, the college organised a workshop on Implementation of Health of girl students. The institute also organized a one day Workshop on "Self Defence" for girl students to give training in health, law, and Student activities. The Institution organizes activities that strengthen our constitutional

values and deepen our allegiance and responsibility towards our nation. The National Service Scheme (NSS) and Board of Student Development are two integral bodies under SPPU that commit to programs and activities to inculcate constitutional obligations and patriotism among students and staff. The college fosters community responsibility by organizing blood donation camps routinely. In every camp, around 100 volunteers donate blood. The college renders national service by organizing road-safety awareness programs routinely. Students are informed about traffic rules and regulations and instill the importance of safeguarding human life. To promote a sustainable environment, Swatch Bharat campaigns and Tree Plantation drives are organized. To protect human lives and property of the college during a disaster, MESCoE organized disaster management workshops. The college also organized awareness drives and mock drills for disaster management. MESCoE organizes a seminar on "Intellectual Property Rights" to create awareness about copyright, plagiarism, patenting, trademark, and several other related aspects to cultivate professional ethics. The college enshrines the sovereign and democratic values of our nation by commemorating the Independence Day and the Republic Day annually. Constitution Day is celebrated every year in college.

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

Teachers and students at the institution are well-versed in the established Program and Course Outcomes. The college has meticulously defined Program Outcomes (POs) and Course Outcomes (COs), aligning them with the mission and goals of each program, following the framework set by Savitribai Phule Pune University (SPPU). These outcomes, applicable to both undergraduate (UG) and postgraduate (PG) programs, foster comprehensive student development in core subject knowledge, skills, creativity, competency, ethics, values, and soft skills. Dissemination of POs, PSOs, and COs: The institution utilizes various communication channels for Course Outcomes (COs) and Program Outcomes (POs): Website: The college website prominently features COs, POs, and PSOs for respective departments. Communication to Teachers: Faculty members define POs, PSOs, and COs aligned with SPPU's framework for each program. SPPU-organized syllabus orientation workshops cover teaching methodologies and CO discussions. The framing of COs involves department faculties and subject group incharges, with approval after thorough discussions. Faculty members maintain all POs and COs in their course files. Communication to Students: Display Boards and Banners: POs and PSOs for respective programs are displayed in department corridors, the library, and staff rooms. Introduction of Course Outcomes: Each course commences with a presentation of

relevant COs during lecture sessions. Continuous Assessment Question Papers: Exam questions for continuous assessment align with the specific course's COs, incorporating Bloom's Taxonomy levels of learning. Program Outcomes (POs) and Program Specific Outcomes (PSOs) align with the curriculum. Course Outcomes (COs) are defined, mapped to POs and PSOs, and quantitatively assessed. CO Attainment: Assessment methods include continuous evaluation, semester-end exams, and lab assessments. Indirect Assessment: Course Exit Survey and Guest Lectures provide comprehensive feedback. PO/PSOs Attainment: Assessment methods include direct aggregation and indirect measures like Graduate Exit and Alumni Surveys. Overall, departmental evaluation encompasses CO, PO, PSO attainment.

20.Distance education/online education:

Techno Savvy Teachers are making good blend of conventional teaching along with latest gadgets which include projectors; not only this but also they are making use of several other popular platform available for learning which includes youtube, NPTEL etc. In today's classrooms, educators skillfully integrate diverse (ICT)-enabled tools to enhance the teaching-learning experience. For instance, interactive whiteboards are employed for real-time annotations, dynamic visualizations, and collaborative problem-solving sessions. Virtual reality (VR) simulations transport students to immersive environments, providing a hands-on understanding of historical events or scientific laboratories, surpassing traditional textbook learning. Tailored educational apps offer interactive exercises and quizzes, fostering personalized learning experiences. Video conferencing platforms facilitate virtual guest lectures, connecting students with industry experts, broadening their perspectives and enriching career-oriented discussions. Learning management systems efficiently manage course materials, assignments, and feedback distribution, ensuring an organized and streamlined learning environment. Cloud-based collaboration tools enable real-time document sharing and group projects, promoting teamwork and communication skills. Adaptive learning software customizes lessons based on individual progress, delivering a personalized approach to each student's needs. This integration of ICT tools not only enriches the academic journey but also equips students with essential digital skills for the evolving landscape of the 21st century.

Extended Profile

1.Programme

1.1

246

Number of courses offered by the institution across all programs during the year		
File Description	Documents	
Data Template	View File	
2.Student		
2.1 Number of students during the year		2137
File Description	Documents	
Institutional Data in Prescribed Format	View File	
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year		245
File Description	Documents	
Data Template	View File	
2.3 Number of outgoing/ final year students during the year		510
File Description	Documents	
Data Template	View File	
3.Academic		
3.1 Number of full time teachers during the year		104
File Description	Documents	
Data Template	View File	
3.2 Number of sanctioned posts during the year		113

File Description	Documents
Data Template	View File

4.Institution	
4.1 Total number of Classrooms and Seminar halls	25
4.2 Total expenditure excluding salary during the year (INR in lakhs)	473.93139
4.3 Total number of computers on campus for academic purposes	750

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

Affiliated with SPPU,Pune, Maharashtra,institute rigorously follows the university-prescribed curriculums, prioritizing effective execution through well-considered strategies. Under the leadership of the Principal and with the involvement of department heads, a series of strategic discussions are held to ensure curriculum implementation, including:

- **Strategic Curriculum Reviews:** Conducted regularly by department heads to examine curriculum thoroughness.
- **Evaluations Each Semester:** Led by the Principal and department heads to review and adjust based on semester advancements.
- **Adherence to the Academic Calendar:** Following a structured 16-week SPPU plan, the institute coordinates activities and distributes workload efficiently, with assigned leaders for each task.
- **Enhancement of Teaching Techniques:** Faculty members perform analyses to better course delivery, utilizing ICT tools such as online lectures from IITs, NPTEL, and organizing industry visits and interactive sessions.
- **Hands-on Laboratory Work:** Facilitated by faculty, students participate in group experiments, promoting active learning and continuous evaluation.

- **Focused Student Assistance:** Provides personalized support to both advanced and struggling students.
- **Collecting Feedback:** Actively gathers student insights each semester to improve educational outcomes.
- **Embracing Digital Education:** Utilizes MSteam and Virtual Lab for uninterrupted learning, especially crucial during pandemic times.

This detailed curriculum execution strategy, supported by modern educational techniques to enrich educational journey for all students.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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

Savitribai Phule Pune University (SPPU) implements a Continuous Internal Evaluation (CIE) framework, coordinated by a College Examination Officer (CEO) in each college, for student assessments through varied methods like Internal Assessment (IA) tests, assignments, quizzes, and seminars. This system, rooted in the revised Bloom's Taxonomy, involves meticulous planning and approval by academic boards, ensuring a robust evaluation of Course Outcomes (CO), Program Outcomes (PO), and Program Specific Outcomes (PSO). The academic strategy extends to continuous practical evaluations, comprehensive Term Work (TW) assessments, and support for students requiring additional assistance through tailored practicals and assignments. Simultaneously, the institute prioritizes the alignment of its academic, co-curricular activities with SPPU's schedule, fostering partnerships with various educational initiatives for enriched learning experiences. Emphasizing thorough monitoring and evaluation, the institute commits to the delivery of high-quality education, including offering interdisciplinary honors courses without additional fees, to enhance students' knowledge and skills

according to the SPPU curriculum from the 2020-21 batch onwards.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in B. Any 3 of the above following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG programs
Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
Assessment /evaluation process of the affiliating University

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

1.2 - Academic Flexibility

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

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

76

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

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

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

46

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

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

1800

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

Savitribai Phule Pune University (SPPU) integrates essential cross-cutting issues such as Professional Ethics, Gender, Human Values, Environment, and Sustainability into its curriculum, spanning from the first year (FE) to the final year (BE) of engineering programs. To instill these values, mandatory audit courses on ecology, democracy, election governance, and various elective courses in the second and third years are offered, allowing students to choose based on their interests. Additionally, an orientation program introduces first-year students to campus life and these critical societal issues. The institute actively supports student engagement and awareness through the National Service Scheme (NSS), Student Development/Welfare Organization (SDO/SWO), and other committees, organizing events like personality development and self-defense workshops for girls and health workshops. The campus boasts energy-saving initiatives, including solar power installations, a biogas plant, and water conservation systems. Projects like vermicomposting

and liquid waste management reflect the institute's commitment to environmental stewardship. Engaging students in NSS activities and annual events like blood donation drives and thanksgiving activities, the institute promotes the development of human values and social responsibility, emphasizing the importance of community service and environmental sustainability.

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

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

115

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

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

1800

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

B. Any 3 of the above

File Description	Documents
URL for stakeholder feedback report	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

2137

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

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

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

247

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution employs a multifaceted approach to assess the learning levels of students. Various parameters, including academic performance, active participation in class discussions, and performance in assessments such as tests, assignments, tutorials, and quizzes, are meticulously analyzed. This thorough evaluation enables educators to identify both advanced learners who excel in their studies and those who may require additional support due to a slower pace of academic progress.

For advanced learners, the institution fosters an environment that encourages participation in co-curricular and extracurricular activities. They are motivated to engage in research projects, publish their work in reputable journals, and pursue advanced courses to further enhance their academic prowess. Additionally, recognition for academic excellence, participation in seminars, conferences, and involvement in specialized clubs contribute to the holistic development of advanced learners.

In contrast, the institution implements targeted interventions for slow learners. Remedial classes, extra lectures, and additional practical sessions provide tailored support. Personal attention, counseling sessions, and mentor guidance help identify specific

challenges and address individual needs. Assignments, question banks, model answers, and focused exam preparations aim to bolster the understanding of slow learners. Furthermore, comprehensive soft skills training and exclusive counseling sessions are integrated to ensure a holistic approach to their academic growth.

By adopting this nuanced and personalized strategy, the institution strives to create an inclusive learning environment that accommodates the diverse needs of both advanced and slow learners, fostering a culture of continuous improvement and academic success for all students.

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

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

Number of Students	Number of Teachers
2137	104

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

In engineering education, student-centric methodologies are pivotal for enriching learning experiences. Illustrative examples include:

1. Experiential Learning:

- **Example:** Project-Based Learning (PBL) projects, BE Major Projects
- **Description:** Integrating hands-on projects empowers students to design and construct prototypes, applying theoretical knowledge to real-world scenarios. This may involve creating a small-scale vending machine model or developing a simple electronic circuit.

2. Participative Learning:

- **Example:** Smart India Hackathon (SIH), Robocon
- **Description:** Group-based design challenges, such as those found in SIH and Robocon, foster collaboration among students to tackle intricate engineering problems. This approach cultivates teamwork and communication skills crucial in professional engineering settings.

3. Problem-Solving Methodologies:

- **Example:** Mini BAJA (M-BAJA), Electric BAJA (E-BAJA)
- **Description:** Integrating case studies, like those encountered in M-BAJA and E-BAJA, enables students to analyze and solve real-world engineering problems. This might involve studying structural failures, identifying root causes, and proposing design enhancements.

By incorporating these student-centric methods, engineering students actively participate in their learning, cultivating a profound understanding of the subject matter and better preparing them for the challenges they will face in their future careers.

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

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

Techno Savvy Teachers are making good blend of conventional teaching along with latest gadgets which include projectors; not only this but also they are making use of several other popular platform available for learning which includes youtube, NPTEL etc.

In today's classrooms, educators skillfully integrate diverse (ICT)-enabled tools to enhance the teaching-learning experience. For instance, interactive whiteboards are employed for real-time annotations, dynamic visualizations, and collaborative problem-solving sessions. Virtual reality (VR) simulations transport students to immersive environments, providing a hands-on understanding of historical events or scientific laboratories,

surpassing traditional textbook learning.

Tailored educational apps offer interactive exercises and quizzes, fostering personalized learning experiences. Video conferencing platforms facilitate virtual guest lectures, connecting students with industry experts, broadening their perspectives and enriching career-oriented discussions. Learning management systems efficiently manage course materials, assignments, and feedback distribution, ensuring an organized and streamlined learning environment.

Cloud-based collaboration tools enable real-time document sharing and group projects, promoting teamwork and communication skills. Adaptive learning software customizes lessons based on individual progress, delivering a personalized approach to each student's needs. This integration of ICT tools not only enriches the academic journey but also equips students with essential digital skills for the evolving landscape of the 21st century.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

104

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

104

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

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

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

35

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

1142

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

The institute, affiliated with Savitribai Phule Pune University (SPPU), adheres to its evaluation reforms, including:

1. **CEO Appointment:** A senior faculty serves as the College Exam Officer, overseeing exams internally and externally in alignment with SPPU directives. Exams follow choice and credit-based systems.
2. **In-Sem Examinations:** SPPU introduces In-Sem exams (30 marks) for UG and PG students, coordinated at the college level. Online exams are conducted via MS Teams, with question papers in multiple-choice format.
3. **End-Sem Exam:** SPPU conducts end-sem exams for UG (70 marks) and PG students (50 marks).

For academic excellence, the institute employs various assessment processes:

1. CO-Based Tests, Assignments, and Tutorials.
2. Continuous Internal Evaluation: Assesses practicals and termwork based on parameters like completion, punctuality, orals, attendance, and tests.
3. Mid Sem and Mock Endsem Exams.
4. Mock Practical/Oral Exams.
5. BE Project Reviews.

Exams are guided by the CEO and team, ensuring a fair and transparent marking scheme. Students are informed of their scores, and model solutions are discussed. Poor performers receive counseling from parent teachers, and project reviews align with the university's Project-based learning initiative.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

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

Department Level Grievance Redressal:

1. Each department designates a faculty member as the exam coordinator, part of the CEO team, resolving student concerns through consultation with faculty and the department head.

2. Faculty discusses issues with students, clarifying model answers and marking schemes.

3. If dissatisfaction persists, the matter elevates to the Principal, who offers guidelines for resolution.

Institute Level Grievance Redressal:

1. Institute-level grievances for university exams are handled by the College Examination Officer and examination section. SPPU-related issues, such as revaluation and answer sheet photocopies, are addressed with results communicated to students.

2. Staff approach the CEO for exam-related grievances, forwarding queries to SPPU for resolution, and conveying outcomes to concerned faculty.

3. Internal marks are entered via the SPPU portal, managed by HOD. Internal and external examiners ensure accurate marks entry.

4. Post online marks entry, the department coordinator collects authenticated marksheets, submitting them to the CEO office for verification and resolution of exam-related issues.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

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

Teachers and students at the institution are well-versed in the established Program and Course Outcomes. The college has meticulously defined Program Outcomes (POs) and Course Outcomes (COs), aligning them with the mission and goals of each program, following the framework set by Savitribai Phule Pune University (SPPU). These outcomes, applicable to both undergraduate (UG) and postgraduate (PG) programs, foster comprehensive student development in core subject knowledge, skills, creativity, competency, ethics, values, and soft skills.

Dissemination of POs, PSOs, and COs:

The institution utilizes various communication channels for Course Outcomes (COs) and Program Outcomes (POs):

Website: The college website prominently features COs, POs, and PSOs for respective departments. Example Link

Communication to Teachers:

Faculty members define POs, PSOs, and COs aligned with SPPU's framework for each program. SPPU-organized syllabus orientation workshops cover teaching methodologies and CO discussions. The framing of COs involves department faculties and subject group incharges, with approval after thorough discussions. Faculty members maintain all POs and COs in their course files.

Communication to Students:

Display Boards and Banners: POs and PSOs for respective programs are displayed in department corridors, the library, and staff rooms.

Introduction of Course Outcomes: Each course commences with a presentation of relevant COs during lecture sessions.

Continuous Assessment Question Papers: Exam questions for continuous assessment align with the specific course's COs, incorporating Bloom's Taxonomy levels of learning.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://mescoe.mespune.org/wp-content/uploads/2024/10/ESR_2022-23-SEM-2_19_July-2024.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

Program Outcomes (POs) and Program Specific Outcomes (PSOs) align with the curriculum. Course Outcomes (COs) are defined, mapped to POs and PSOs, and quantitatively assessed.

CO Attainment:

Assessment methods include continuous evaluation, semester-end exams, and lab assessments.

Indirect Assessment:

Course Exit Survey and Guest Lectures provide comprehensive feedback.

PO/PSOs Attainment:

Assessment methods include direct aggregation and indirect measures like Graduate Exit and Alumni Surveys.

Overall, departmental evaluation encompasses CO, PO, PSO attainment.

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

2.6.3 - Pass percentage of Students during the year

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

512

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	https://mescoe.mespune.org/wp-content/uploads/2024/10/ESR_2022-23-SEM-2_19_July-2024.pdf

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://mescoe.mespune.org/wp-content/uploads/2024/10/MESCOE-Students-Satisfaction-Survey-2022-2023-Responses.xlsx>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

26

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

3

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

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

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

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Research & Development Policy has been developed promote innovation and incubation for the faculty and students in tune with the corporate world.

2. Resources:

Research lab has been created for the promotion of innovation and incubation with required facilities. The Institute is nurturing the innovation with financial support of up to 50% to students in addition to the encouragement by prominent Alumni. Institute encourages the faculty and students to protect their IP by providing facilities and financial support.

3. Institute Innovation Council:

Ministry of Education (MoE), Govt. of India has established 'MoE's Innovation Cell (MIC)' to foster the culture of Innovation among all Higher Education Institutions (HEIs). The Institution's Innovation Council (IIC MESCOE) has been established. IIC-MESCOE activity areas - Startup, Innovation, IPR and Internship.

4. Collaboration (MoU): Institute has various MoU with other institutions and industries for benefit of faculty and students.

5. Activities:

Every year Innovative and entrepreneurship activities such as Hackathons, SAE BAJA, Idea competitions, Awareness workshops on IPR, Cognitive and Critical thinking, Leadership Talks, etc. are conducted as per guidelines of Innovation cell. The institute

encourages the students to participate in competitions conducted by recognized bodies such as SPPU, IIC and, AICTE etc.

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

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

20

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

2

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

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

50

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

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

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

80

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

3.4 - Extension Activities

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

The college has undertaken following activities which have benefitted the neighbouring community while sensitizing the students to techno-social issues. The said domains of activity include Technology advancement, Social and Community service, Public health & safety and Environmental protection.

1. Advancement in Technology:

Engineers' & Teachers Day: The Celebrations organized every year have been allowing students and public to visit the innovative technical models/programs developed by our students over the years.

2. Social and Community service: Blood donation and Free Medical camps organized by NSS unit of the college in association with various blood banks and NGO.

Earn & Learn Scheme: The Earn and Learn Scheme of Board of Students Development, Savitribai Phule Pune University is implemented successfully for the needy students. Students are benefitted from this Scheme by working in the Laboratories, Library and Office, etc of our institute. This Scheme also inculcates a sense of responsibility and dignity.

3. Public Health and safety: The organization of these activities make the students practically to see several social woes and they can develop empathetic orientation. These programs help the students to understand the significance of reciprocating to the society.

4. Environmental protection: College regularly organize environmental protection related activities to make students aware with environmental pollution causes, hazards, prevention and importance of environmental pollution control.

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

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

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

1

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	No File Uploaded

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

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

during the year

17

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

728

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

2

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

4

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Classroom: All the classrooms are designed and maintained as per AICTE norms with respect to carpet area, lighting, ventilation, furniture, etc. to have a conducive environment with ICT tools which enable interactive teaching-learning processes.

Smart Classrooms: Smart classroom(309) on third floor is designed with the latest ICT tools and maintained to create a new state-of-art teaching- learning facility.

Laboratories: Laboratories are well equipped with adequate number of experimental set-ups, computers and peripherals to meet syllabus requirements.

State of the art facilities: The institute has taken great initiatives to develop unique and novel research facilities to incubate research environments.

- Centre of Excellence in High Performance Computing
- Centre of Excellence PG lab & SDR Lab
- NI Lab VIEW Academy
- Industrial Tribology Lab

- Kuka Robotics Lab
- Rapid Prototyping facility [3D Printing]

Computing Facilities: The college has more than 700 computers to fulfill all the academic requirements of students as well as faculties. Our college has adequate number of computers for students and faculties, 12 laptops for all departments. The entire campus is equipped with strong Wi-Fi connectivity. Our library is well equipped with fully automated 1 server, 20 Computers for students and 6 Computers for library staff.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2024/10/MESCOE-LABS.pdf

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

The institute encourages and provides facilities for students to participate in various games like cricket, football; athletics etc. to ensure overall development of students and to fulfill that requirement college is equipped with various sports equipment. To promote social awareness amongst students, the NSS team of the institute regularly organizes social welfare activities.

Cultural Activities: This committee organizes an annual cultural function called JHANKAAR. In order to showcase these talents in the student community various competitions like mehendi, singing, dancing, Staff Antakshari, Mr & Miss MESCOE, Lead the Youth, Treasure Hunt, Art Gallery, Fashion Show, Days celebrations, Rangoli making are conducted. Students also participate in various university and state level competitions.

Sports: Institute has a playground for practicing quite a lot of sports activities. Separate Gymnasium facility for boys and girls is provided by the institute in the campus. The institute has a physical director to guide students.

Public speaking and Communication skills development: Students are encouraged to participate in various university level events to international events like M-Baja, E- Baja, Robocon for overall development of students. Personality development programs run

by the institute and under ASTITVA, the Institute organizes debate competitions every year. Institute has a language laboratory.

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

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

25

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2024/10/CLASSROOM_FINAL.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

10457412

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

4.2 - Library as a Learning Resource

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

Library is well-equipped with the latest infrastructure and well-stocked with a good collection of books.

The library is fully automated and operates with SLIM 21 ILMS. It includes all the features to automate library staff functionality related to cataloguing, Circulation, Inventory, and Reporting. For library members, SLIM 21 provides a portal to search in-house collections as well as external resources.

Name of ILMS software : SLIM 21 ILMS Nature of automation (fully or partially) : Fully Version : SLIM 21 - 3.9.0.35737

Year of Automation : FY 2007-08

This software is purchased in the FY 2007-08 from Algo rhythms Consultants Pvt. Ltd. for automation of the Library. SLIM 21 include all the features to automate library staff functionality related to cataloguing, Circulation, Inventory, and Reporting. For library members, SLIM 21 provides a portal to search in-house collection as well as external resources. Through AMC this software is upgraded annually.

Following services are provided by the library to its users with the help of SLIM 21:

- 1.Data conversion from existing system
- 2.Barcode labels format customization
- 3.Barcode labels Printing
- 4.Library ID card Format customization
- 5.Library ID card printing
- 6.Copy Cataloguing from Amazon

Numerous reports are generated with the help of this SLIM 21 software which help library for its smooth conduction.

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

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources **B. Any 3 of the above**

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

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

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

32.79

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

73

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

4.3 - IT Infrastructure

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

Institute ensures extensive use of IT facilities by providing adequate access to computers with internet facility to students and faculties. Internet Leased Line (ILL) of 300Mbps provided by Tata Teleservices is available in the college campus Wi-Fi internet access is provided to staff and students.

The Institute has following license software:

- To roll out and outreach activities of Virtual Lab, our institution has a Virtual Lab Nodal Center (Id 226) made available to all colleges for online implementation of practical in the AY 2020-21.
- The Institute has MW Full suite (MATLAB-2019b) and MW one year MAOTS - ML online training suite in the AY 2020-21. MW campus wide suite (CWS) (MATLAB-2020a) is made available for the entire campus in the AY 2021-22.
- Institute updated Microsoft Campus agreement- Microsoft EDU Cloud Program during the AY 2019-20 and AY 2020-21 under this latest windows system software, server softwares are purchased. Also windows server CAL and Remote System CALs are available.
- Microsoft teams for execution of online lectures and meetings are utilized by all faculties.
- Library is well-resourced with the latest infrastructure and is fully automated with SLIM 21 ILMS.
- Cadence software related to the VLSI field is available for E&TC students in the VLSI & Design lab during AY 2018-19.
- NI lab view software is available for students in the mechanical department NI labview Academy.
- The college has open source system software installed on computers and utilized by students and faculty for online teaching and learning.

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

4.3.2 - Number of Computers

750

File Description	Documents
Upload any additional information	View File
List of Computers	View File

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

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

4.4 - Maintenance of Campus Infrastructure

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

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

36935727

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

There are established systems and procedures for maintaining and utilizing physical, academic, and support facilities such as laboratory, sports complex, computer, classrooms in the institute. The maintenance of physical, academic, and support facilities are carried out by the respective departments with the help of in house staff on daily basis, and periodically record is also maintained. And care has been taken to keep the equipments, machine, etc in working condition. In case of breakdowns, standard procedure is followed to bring the equipment/machine in working condition. A supervisor is appointed to monitor and maintain the physical facilities and Housekeeping.

1. Laboratories :Deadstock verification (Physical Verification) is carried out to verify working/nonworking/missing equipment etc. Preventive maintenance and performance monitoring is carried out.
2. Library: A librarian with supporting staff has been appointed to maintain the central library.
3. Sport complex/ ground/ equipment:The maintenance of ground is carried out on a regular basis. It is maintained under the supervision of the physical director.
4. Class Rooms:Head of the institute, HODs, and Class teachers monitor the cleanliness and ensure that the cleanliness is maintained in the classrooms.
5. IT facilities:The laboratory technicians and system administrator maintain the IT facilities in the institute. In case of major issues of maintenance, vendors are hired for the maintenance of IT facilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2024/10/OTHER-FACILITIES-FINAL.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1601

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

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

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

59

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

59

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

59

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

12

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

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

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

4

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

06

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

The students are main stakeholders of the institute, so there is maximum involvement of students in various activities and committees. There are student representatives in various committees

like Anti-Ragging Committee, Internal committee, IQAC etc. to contribute in fulfilling administrative responsibilities. Also there is Alumni Representative in Departmental Advisory Board. College has Student Development committee under board of student development of SPPU.

Co-curricular and extracurricular Activities .As co-curricular activities students are dynamically involving in various clubs like roboclub, designers club, Nakshatra astronomy club, enthusiast club, Google developer club etc. and participate and win prizes every year in various inter-college/university competitions. .All the departments have student association: Association of Computer Engineers (ACE), Electronics & Telecommunication Engineering Students' Association (ETSA), Mechanical Engineering Students' Association (MESA). It provides platform for students to apply their knowledge and develop their skills. Under these associations various activities are organized comprising of various technical competitions like Walk through the gates, Knowelex, Technical Quiz, Ohm-factor, workshop on mobile assembling etc. Additionally, college encourages students to participate in National and International technical events like Techfest (IIT Bombay), Robo Con, BAJA by SAE India etc with financial assistance and infrastructural facilities.

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

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

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

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

Alumni association of Modern Education Society's College of Engineering Pune is registered on 14 June 2019 with registration number "MH/929/2019/Pune". Main purpose of alumni association is to build strong bond between the alumni and institute at the same time among alumni also. Alumni association organizes alumni meet to achieve following objectives:

- To encourage the Alumni to take an active and abiding interest in the work and progress of the Institute so as to contribute towards enhancement of the social utility of their Alma Mater.
- To utilize the rich experiences of Alumni for the benefit and progress of the present students.
- To provide guidance to the present students in their endeavour for better employment and higher studies.
- To promote the campus placements through the Alumni working in reputed industries in India and abroad.
- To get the valuable advices of the Alumni in the overall development of the college.

Alumni who have achieved good successes in their career or who have got selected in prestigious government services are regularly called to deliver guest lectures for the current students which definitely helps the current students to choose correct path for their career in future.

MESCOE Alumni Portal (Url:

<http://www.mescoepune.org/alumni/index.php>) is developed by the students of Google developers' club. This portal can be used by the

alumni to get in touch with all registered alumni of various batches so that everyone can be benefited by some or the other way.

File Description	Documents
Paste link for additional information	https://mescoe.mespune.org/distinguished-alumni/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Institute Vision: To Groom - Motivated, Environment Friendly, Self-esteemed, Creative and Oriented Engineers.

Institute Mission: To Develop Industry Oriented Manpower to accept the challenges of Globalization by

- Promoting value education through motivated trained faculty
- Maintaining a conducive environment for education at affordable cost
- Promoting industry institute interaction
- Involving alumni

The vision and mission statements of the college are available at the college website and also have been displayed in each department and other prominent locations of the institute.

The institute has ensured that its vision and mission statements define the institution's distinctive characteristics clearly.

• The Institute has been set up with a mission to impart such knowledge that may be necessary for the holistic development of students thereby making them capable of being better employable and

at par with the highly competitive job market.

- The institute pursues a three-fold system that involves curricular, co-curricular and extra-curricular activities. The curriculum being followed is designed in such a way so as to enhance and empower the knowledge base of students. The main focus is on the recent trends in technology.

- The institute visualizes facilitating young adult learners with opportunities to inculcate ethics and leadership potential thereby sensitizing learners towards inclusive social concerns, human rights, gender and environmental issues.

- The institute has drawn a clear perspective plan for future development and to maintain competitive edge in imparting quality education.

File Description	Documents
Paste link for additional information	https://mescoe.mespune.org/about-us/
Upload any additional information	No File Uploaded

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

The institute practices participative management and decentralization in all academic as well as non-academic activities. The Institute has formed various committees for effective implementation of these activities.

The institute has two main statutory committees framed as per norms of AICTE.

1. Monitoring and Development Cell (MDC)
2. Internal Quality Assurance Cell (IQAC)

These bodies play an important role in framing policies and its execution.

There are several committees such as College Development Committee, Training & Placement Cell, Research Committee, academic monitoring Committee, Exam Committee etc.

Case study: budget preparation

The process of budget preparation is described as an example of participative management. For every financial year, the heads/in-charge of various departments call for the requirement of equipment/materials/software etc... Faculty/co-ordinators give their requirements considering various factors, the status of available equipment/materials/software, co-curricular and extra-curricular and other development activities and give an estimated budget.

The budget that includes the estimated salary, maintenance cost, etc. is prepared as well and presented to the authorities for approval. The budget is approved by the higher authority.

Actual expenditure as per budget is reviewed in third quarter and revised budget for current financial year and estimated budget for next financial year is proposed.

File Description	Documents
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2023/11/c6.-College-Committee-List.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institute planned and effectively carried out several strategies during the period 2022-23.

Strategy planned:

To provide a robust platform for expression of cognitive thoughts and promote research among faculty and students.

Strategy deployment:

To provide such a platform, the three departments of the institute organize a national conference every year. The conference sparks innovative ideas, foster research relations, or partnerships between the various institutions and build strong research and development community. The conferences bring together researchers, engineers, and scientists in the domain of interest from variety of disciplines.

The national conferences on "Recent Advances in Computer Engineering" [RACE] is the premier forum for presentation of new advances and research results in the field of Computer Engineering. RACE- 2023 was organized on 27-28 April 2023.

The national conference on 'Advancements in Communication, Computing, and Electronics Technology' (ACCET) is a series of conferences organized by Electronics and Telecommunication Engineering department. ACCET provides a platform for researchers, academicians, and students. ACCET-2023 was organized on 28 - 29 April 2023.

'Recent Developments in Mechanical Engineering' (RDME) is a series of national conferences organized by department of Mechanical Engineering with objective to provide the platform for students, engineers, researchers, and scientists. RDME- 2022 was organized on 15-16 September 2022.

Following are the links for conference websites

RACE <https://mescoe.mespune.org/race/>

ACCET <https://mescoe.mespune.org/accet/>

RDME <https://mescoe.mespune.org/rdme/>

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2024/02/6.2.1-conference22.23.pdf
Upload any additional information	View File

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

Role & Responsibilities:

1. Internal quality assurance and Autonomy cell. (IQA-A cell)
 1. Academic Calendar planning & Quality Monitoring

2. IQAC, Accreditation & Ranking related all activities
2. Academic Monitoring. (AM Cell)
 1. Execution & Monitoring of Teaching - Learning Process
 2. Curricular, Co-curricular Student centric activities
3. Public Relation-Outreach-Admissions-students-industry-system cell. (PRO-cell)
 1. First year admission process, Students Data, Publicity, media marketing, information dissemination, Students Clubs.
 2. Placements & internship
 3. Extra-Curricular Activities
4. Research -Innovation- incubation-entrepreneur cell. (R-IIE Cell)
 1. Grants for Research and developments activities, Labs Development for research, Publications
 2. Entrepreneurship, Consultancy, Testing, MOU with industry, Exchange -Collaboration programs, Staff training, FDP / STTP of subject-course, Conferences-Workshops, Seminars
5. Funds Endorsement & Grants cell (FEG cell)
 1. Free-ship-scholarship receipt from social welfare-monitoring-liaison, Innovation-incubation Cell, Research Grants-Funds from state-central bodies
 2. Planning & development of various activities, Innovation, Entrepreneurship (EDC) and startups. Generation and budgeting of funds for above activities.
6. Services-Amenities-Facility-Environment on campus cell. (SAFE-cell):-
 1. Civil infra Sharing, Planning & development of Civil Infrastructure, Amenities, resources like electricity, water, auditorium, sports facilities, Security, CCTV, Communication, Internet Connectivity. Environment Green campus activities, Lifts & fire safety audit. Analysis and planning for future development, Environment conservation issues.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://mescoe.mespune.org/wp-content/uploads/2024/02/Organogram-of-MES-college-of-engineering.pdf
Upload any additional information	No File Uploaded

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	No File Uploaded
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

Growth of an institute is contingent on its employees. Employees are valued and their needs are well-perceived. The purpose of employee welfare scheme is to enhance the holistic development of the employee's personality which enables them to perform their work in satisfactory and healthy environment. The institute has effective welfare schemes that are implemented for the benefit of teaching and non-teaching staff.

The institute provides following welfare schemes for teaching and non-teaching staff members:

- The institute motivates teachers by providing Special/ study Leave to pursue post-graduation / doctoral research to bridge the gap between the latest trends in technology and industry.

- The Institute encourages and supports staff members to participate in various conferences / workshops / staff training programmes / faculty development programmes.
- Staff members are encouraged to take membership of professional societies.
- The teaching and non-teaching staff is given other benefits like casual leave, maternity leave, medical leave, earned leave, and vacation as per SPPU norms.
- Staff members of the Institute can avail the loans from Modern Education Society's colleges employee's Co-op Credit Society Ltd.
- Employees are eligible for retiral benefits like gratuity as per the Gratuity Act.
- The Institute has in-campus medical assistance.
- Training programmes are arranged for overall development of faculty.
- The institute has group insurance for staff.
- Uniforms facility is provided for Class IV employees.

File Description	Documents
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2024/02/MES-Credit.pdf
Upload any additional information	View File

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

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

6

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

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

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

8

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

27

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

The institute strictly follows the recruitment and promotional policies as stipulated by AICTE, Savitribai Phule Pune University as well as Government of Maharashtra.

- Each and every faculty member completes the self-appraisal procedure every year in the format prescribed by SPPU.
- Self-appraisal is done on the basis of the following points:
 - Teaching learning process evaluation
 - Specific duties / tasks assigned by Heads of the Department
 - Major contribution for the benefit of student/ staff / Institute
 - Awards/ rewards obtained by the faculty and staff
 - Contribution towards extracurricular and co-curricular activities
 - Execution of exam duties assigned by SPPU

Research contribution of staff in terms of research projects, publications and guidance provided to students for involvement in research

File Description	Documents
Paste link for additional information	http://sppudocs.unipune.ac.in/sites/circulars/Administrative%20Circulars%20%20Teaching/Yearly%20Appraisal%202020-2021_01.07.2021.pdf
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

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

The institute has the well-established mechanism for internal as well as external audits. The accounts department is headed by Registrar and maintains financial accounts. The financial statements are prepared and submitted to statutory bodies.

The audit for year 2022-23 is carried by Kalyaniwala and Mistry LLP Chartered accounts.

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

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

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

25

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

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

The institute has well-developed strategy for mobilizing funds that ensures the optimal utilization of resources while maintaining the transparency in the financial management. The strategy is focused on quality enhancement.

The primary financial resource for the Institute is the tuition fee.

The tuition fee is fixed by concerned statutory committee.

The resources are optimally utilized as per the sanctioned budget.

The expenditure heads are as follows-

- Major component of expenditure - Employee Salaries
- Furniture, Laboratory Equipment and Consumables
- Industry Collaborative Labs.
- Library
- Establishing Centers of excellence
- Research & Development activities
- Training & Placement
- Software procurement, up-gradation, and maintenance
- Internet facility
- Student Services- NSS, Sports
- Power and fuel
- Printing and Stationery
- Postage and telephones
- Affiliation and Renewals
- Travel and conveyance
- Repair, Replacements, and Maintenance
- Taxes and licenses

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

6.5 - Internal Quality Assurance System

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

In 2022-23, the institute focused on enhancing academic quality, fostering industry collaborations, and improving student outcomes through skill development. A significant achievement was the establishment of the Automation and Robotics Department to drive innovation in emerging technologies.

1. Industry-Institute Interaction The IQAC facilitated 13 MOUs with industry partners, supporting internships and placements. Highlights included:

- 16 guest lectures on topics like Radiation and Microwave

Theory.

- 5 workshops on Deep Learning, Embedded Systems, and IoT.
- 2 industrial visits to GMRT Narayangaon.
- 317 internships and 118 placements in companies like TCS and Persistent.
- 6 scholarships for meritorious students. These initiatives enhanced student exposure to real-world applications, boosting employability.

2. Student Skill Development To further employability, IQAC initiated workshops in AI and Cloud Computing. The Institution's Innovation Council promoted entrepreneurship through seminars on innovation and startups. A faculty development program on Cloud Computing and Machine Learning was also conducted to enhance teaching quality.

3. Teaching-Learning Review Regular reviews of teaching processes by IQAC ensured continuous improvements in academic and administrative activities.

4. Workshops and Webinars IQAC initiated 16 guest lectures and 5 workshops on technology trends. National-level conferences and events like IETE Project competitions encouraged research and allowed students to showcase their skills

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

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

The institution systematically reviews its teaching-learning process, structures, methodologies, and learning outcomes at regular intervals to ensure continuous improvement. This is achieved through the Internal Quality Assurance Cell (IQAC), established as per the prescribed norms. The IQAC plays a vital role in evaluating and enhancing the academic and operational frameworks of the institution. Periodic reviews are conducted by the IQAC through principal meeting with HOD and Dean to assess the effectiveness of teaching strategies, curriculum delivery, Feedback and student performance. Based on these insights, the institution implements

various reforms to enhance the quality of education and the overall learning experience. The institution has recorded incremental improvements across various activities through this continuous review process. These include the introduction of innovative teaching methods, better utilization of technology, enhanced faculty development programs, and improved student support systems. Furthermore, measurable improvements in student learning outcomes, such as higher pass rates and better academic performance, have been documented. This structured approach to reviewing and enhancing the teaching-learning process ensures that the institution maintains high standards of education, while also fostering an environment of continuous growth and excellence.

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

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://mescoe.mespune.org/national-assessment-and-accreditation-council/#abouttab5
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The institution constituted the following committees as per norms laid by University/UGC: Institution Grievance Redressal Committee, Anti-Ragging, Internal Committee and Mentoring Programme cares for the well-being of students and staff in the institution. The institution provides safety and security facilities for the staff and students such as CCTV Surveillance throughout the campus and security arrangement. Students wear ID cards at all times and outsiders are checked by security staff before allotting visitor IDs. The institution has a good mentoring system for the students to take care of their academic, emotional, social and cognitive development. Personal Counselling is provided to the students at different levels. There are separate washroom facilities for girls and boys. The institution has organized several programs in gender equity in curricula. The institution promotes gender sensitization through co-curricular activities like workshops, seminars, guest lectures and counselling by Parent Teacher etc. In accordance with the Nirbhay Kanya Abhiyaan scheme introduced by the Board of student development, SPPU, the college organised a workshop on Implementation of Health of girl students. The institute also organized a one day Workshop on "Self Defence" for girl students to give training in health, law, and Student activities.

File Description	Documents
Annual gender sensitization action plan	https://mescoe.mespune.org/naac_2023/
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://mescoe.mespune.org/board-of-student-development/

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

A. 4 or All of the above

File Description	Documents
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid waste management-

In every room, dustbins are placed to collect waste and also centrally wet and dry waste inserted into green and blue big dustbins respectively. Generated waste is collected and segregated in the college premises in the category of dry and wet garbage. Recyclable waste is forwarded for further decomposition process to the Vermiculture Vermicomposting unit situated in college premises.

Water Recycling System-

Water Harvesting: A network of rainwater harvesting systems ensures continuous recharging of groundwater tables. Institute has successfully implemented a rain water harvesting Project. Ground water recharging pit is prepared on the Institute campus. Arrangement has been made so that storm water flows from the playground to fill a pit and filter pit to well. The Institute has implemented a rain water Harvesting Project, that has saved a significant amount of expenses beside it maintains campus ecology.

E-waste management- The e-waste is taken care of properly. The old unused unrepeatable electronic equipment is disposed of properly.

Hazardous chemicals and radioactive waste management- The chemicals used in chemistry laboratories are disposed of carefully. The workshop machining waste chips are collected together and sold to scrap merchants for further reuse.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

C. Any 2 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

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

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
Geo tagged 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 are regularly undertaken by the institution

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

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	No File Uploaded
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

5.

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	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 socioeconomic and other diversities (within 200 words).

Sr. No.

Details of Activity

Date of Activity

Type of Activity

1

International Yoga Day 2022

21/06/2022

Social, Cultural

2

Har Ghar Tiranga Rally

12/08/2022

Social, Cultural, Regional

3

Tree Planation

13/08/2022

Social, Socioeconomic

4

????????? ?????????? ???? ?????????????????? ?? ??????????"

26/08/2022

Social,Cultural

5

Poster Presentation

07/09/2022

linguistic,Regional

6

Ganesh Visarjan

09/09/2022

Social,Cultural,Regional

7

Elocution Competition

13/09/2022

Social,Cultural,Regional

8

Wachan Prerna Din

14/09/2022

linguistic

9

NSS Day Celebration

24/09/2022

Social,Cultural,Regional

10

Special Camp

13/09/2022

Social,Cultural,Regional, communal

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

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations:

values, rights, duties and responsibilities of citizens

The Institution organizes activities that strengthen our constitutional values and deepen our allegiance and responsibility towards our nation. The National Service Scheme (NSS) and Board of Student Development are two integral bodies under SPPU that commit to programs and activities to inculcate constitutional obligations and patriotism among students and staff. The college fosters community responsibility by organizing blood donation camps routinely. In every camp, around 100 volunteers donate blood. The college renders national service by organizing road-safety awareness programs routinely. Students are informed about traffic rules and regulations and instill the importance of safeguarding human life. To promote a sustainable environment, Swatch Bharat campaigns and Tree Plantation drives are organized. To protect human lives and property of the college during a disaster, MESCoE organized disaster management workshops. The college also organized awareness drives and mock drills for disaster management. MESCoE organizes a seminar on "Intellectual Property Rights" to create awareness about copyright, plagiarism, patenting, trademark, and several other related aspects to cultivate professional ethics. The college enshrines the sovereign and democratic values of our nation by commemorating the Independence Day and the Republic Day annually. Constitution Day is celebrated every year in college.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://mescoe.mespune.org/national-service-scheme/#abouttab3
Any other relevant information	https://mescoe.mespune.org/board-of-student-development/

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

C. Any 2 of the above

4.

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

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

Modern Education Society's College of Engineering celebrates national and international commemorative days to implant constitutional responsibilities, to engrain patriotic spirit and to encourage unity among fellow citizens. 1. Independence Day and Republic Day are celebrated in the college by hoisting the Indian flag. 2. International Women's Day is celebrated on 8th March.

3. International Yoga Day is celebrated on 21st June. 4. Teachers Day is celebrated on 5th September. 5. Engineers Day is celebrated on 15th September by organizing various activities like expert talk on advanced technology, eco-social roles of engineers in society. 6. Gandhi Jayanti Celebrated on 2nd October. 7. National Innovation day, Energy conservation day, IPR day and World Entrepreneur days are also celebrated.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice I

Title of the Practice: 'Industry Institute Interaction'

Goal: Main objective is to establish and maintain relationships with the corporate world through MoUs, Centre of Excellence, sponsored projects, industrial visits and in-plant training for students and faculty members.

The Context: Institution has taken initiative to interact with various industries through the Industry Institute Interaction committee that maintains professional relations with industries.

Practice:

1. Membership of Professional Technical Bodies:
2. MoUs with industries -
3. Lab development under Center of Excellence
4. Industrial visit, Guest Lecture, -
5. Promotion to do internship and industry sponsored project for students -
6. Curriculum development at par with industry requirement

Best Practice II

Title of Practice: Student Skill Development Activity

Goal: Development of students' technical skill and job skills necessary for industries through Co- curricular and extracurricular activities.

The Context: Co-curricular activities are significant for enriching students on an emotional, cognitive, physical, and social level. At the same time, extracurricular activities incorporating NSS, art and music can play a vital role in nation-building, psychomotor development and dexterity.

The Practice:

1. Formation Different Student Chapter
2. Co-Curricular and Extra Co-Curricular Activities

3. Development of laboratories with the latest experimentation facility

4. Support for Internship and Sponsored Project

5. Provision of E-content for advance Learning (NPTEL, video Lectures.

6. Formation of Students Clubs

File Description	Documents
Best practices in the Institutional website	https://mescoe.mespune.org/national-assessment-and-accreditation-council/
Any other relevant information	https://mescoe.mespune.org/institutions-innovation-council-iic-mescoe/

7.3 - Institutional Distinctiveness

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

Institute has taken special efforts to develop the research culture among both staff and students. Institute is always keen to provide and build an environment which can promote and encourage research in not only core areas but also in multidisciplinary areas. Institutes believe that to promote the research in the students, the faculties must be equipped with knowledge and process related to research areas. This is achieved by continuously promoting the faculty to pursue higher education like PhD through special duty leaves to attend research work and conferences, research Lab etc. Institutes also promote organization of conferences to create a platform for sharing of latest knowledge and bring together researchers from different areas of the nation. This has helped the institute to have a maximum number of faculties with PhD qualification and some as PhD Guide.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

Affiliated with SPPU, Pune, Maharashtra, institute rigorously follows the university-prescribed curriculums, prioritizing effective execution through well-considered strategies. Under the leadership of the Principal and with the involvement of department heads, a series of strategic discussions are held to ensure curriculum implementation, including:

- **Strategic Curriculum Reviews:** Conducted regularly by department heads to examine curriculum thoroughness.
- **Evaluations Each Semester:** Led by the Principal and department heads to review and adjust based on semester advancements.
- **Adherence to the Academic Calendar:** Following a structured 16-week SPPU plan, the institute coordinates activities and distributes workload efficiently, with assigned leaders for each task.
- **Enhancement of Teaching Techniques:** Faculty members perform analyses to better course delivery, utilizing ICT tools such as online lectures from IITs, NPTEL, and organizing industry visits and interactive sessions.
- **Hands-on Laboratory Work:** Facilitated by faculty, students participate in group experiments, promoting active learning and continuous evaluation.
- **Focused Student Assistance:** Provides personalized support to both advanced and struggling students.
- **Collecting Feedback:** Actively gathers student insights each semester to improve educational outcomes.
- **Embracing Digital Education:** Utilizes MSteam and Virtual Lab for uninterrupted learning, especially crucial during pandemic times.

This detailed curriculum execution strategy, supported by modern educational techniques to enrich educational journey for all students.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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

Savitribai Phule Pune University (SPPU) implements a Continuous Internal Evaluation (CIE) framework, coordinated by a College Examination Officer (CEO) in each college, for student assessments through varied methods like Internal Assessment (IA) tests, assignments, quizzes, and seminars. This system, rooted in the revised Bloom's Taxonomy, involves meticulous planning and approval by academic boards, ensuring a robust evaluation of Course Outcomes (CO), Program Outcomes (PO), and Program Specific Outcomes (PSO). The academic strategy extends to continuous practical evaluations, comprehensive Term Work (TW) assessments, and support for students requiring additional assistance through tailored practicals and assignments. Simultaneously, the institute prioritizes the alignment of its academic, co-curricular activities with SPPU's schedule, fostering partnerships with various educational initiatives for enriched learning experiences. Emphasizing thorough monitoring and evaluation, the institute commits to the delivery of high-quality education, including offering interdisciplinary honors courses without additional fees, to enhance students' knowledge and skills according to the SPPU curriculum from the 2020-21 batch onwards.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.

B. Any 3 of the above

Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

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

1.2 - Academic Flexibility

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

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

76

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

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

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

46

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

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

1800

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

Savitribai Phule Pune University (SPPU) integrates essential cross-cutting issues such as Professional Ethics, Gender, Human Values, Environment, and Sustainability into its curriculum, spanning from the first year (FE) to the final year (BE) of engineering programs. To instill these values, mandatory audit courses on ecology, democracy, election governance, and various elective courses in the second and third years are offered, allowing students to choose based on their interests. Additionally, an orientation program introduces first-year students to campus life and these critical societal issues. The institute actively supports student engagement and awareness through the National Service Scheme (NSS), Student Development/Welfare Organization (SDO/SWO), and other committees, organizing events like personality development and self-defense workshops for girls and health workshops. The campus boasts energy-saving initiatives, including solar power installations, a biogas plant, and water conservation systems. Projects like vermicomposting and liquid waste management reflect the institute's commitment to environmental stewardship. Engaging students in NSS activities and annual events like blood donation drives and thanksgiving activities, the institute promotes the development of human values and social responsibility, emphasizing the importance of community service and environmental sustainability.

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

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

115

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

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

1800

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution

B. Any 3 of the above

from the following stakeholders
Students
Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

2137

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

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

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

247

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution employs a multifaceted approach to assess the learning levels of students. Various parameters, including academic performance, active participation in class discussions, and performance in assessments such as tests, assignments, tutorials, and quizzes, are meticulously analyzed. This thorough evaluation enables educators to identify both advanced learners who excel in their studies and those who may require additional support due to a slower pace of academic progress.

For advanced learners, the institution fosters an environment that encourages participation in co-curricular and extracurricular activities. They are motivated to engage in research projects, publish their work in reputable journals, and pursue advanced courses to further enhance their academic prowess. Additionally, recognition for academic excellence, participation in seminars, conferences, and involvement in specialized clubs contribute to the holistic development of advanced learners.

In contrast, the institution implements targeted interventions for slow learners. Remedial classes, extra lectures, and additional practical sessions provide tailored support. Personal attention, counseling sessions, and mentor guidance help identify specific challenges and address individual needs. Assignments, question banks, model answers, and focused exam preparations aim to bolster the understanding of slow learners. Furthermore, comprehensive soft skills training and exclusive counseling sessions are integrated to ensure a holistic approach to their academic growth.

By adopting this nuanced and personalized strategy, the institution strives to create an inclusive learning environment that accommodates the diverse needs of both advanced and slow learners, fostering a culture of continuous improvement and academic success for all students.

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

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

Number of Students	Number of Teachers
2137	104

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

In engineering education, student-centric methodologies are pivotal for enriching learning experiences. Illustrative examples include:

1. Experiential Learning:

- Example: Project-Based Learning (PBL) projects, BE Major Projects
- Description: Integrating hands-on projects empowers students to design and construct prototypes, applying theoretical knowledge to real-world scenarios. This may involve creating a small-scale vending machine model or developing a simple electronic circuit.

2. Participative Learning:

- Example: Smart India Hackathon (SIH), Robocon
- Description: Group-based design challenges, such as those found in SIH and Robocon, foster collaboration among students to tackle intricate engineering problems. This approach cultivates teamwork and communication skills crucial in professional engineering settings.

3. Problem-Solving Methodologies:

- **Example:** Mini BAJA (M-BAJA), Electric BAJA (E-BAJA)
- **Description:** Integrating case studies, like those encountered in M-BAJA and E-BAJA, enables students to analyze and solve real-world engineering problems. This might involve studying structural failures, identifying root causes, and proposing design enhancements.

By incorporating these student-centric methods, engineering students actively participate in their learning, cultivating a profound understanding of the subject matter and better preparing them for the challenges they will face in their future careers.

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

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

Techno Savvy Teachers are making good blend of conventional teaching along with latest gadgets which include projectors; not only this but also they are making use of several other popular platform available for learning which includes youtube, NPTEL etc.

In today's classrooms, educators skillfully integrate diverse (ICT)-enabled tools to enhance the teaching-learning experience. For instance, interactive whiteboards are employed for real-time annotations, dynamic visualizations, and collaborative problem-solving sessions. Virtual reality (VR) simulations transport students to immersive environments, providing a hands-on understanding of historical events or scientific laboratories, surpassing traditional textbook learning.

Tailored educational apps offer interactive exercises and quizzes, fostering personalized learning experiences. Video conferencing platforms facilitate virtual guest lectures, connecting students with industry experts, broadening their perspectives and enriching career-oriented discussions. Learning management systems efficiently manage course materials,

assignments, and feedback distribution, ensuring an organized and streamlined learning environment.

Cloud-based collaboration tools enable real-time document sharing and group projects, promoting teamwork and communication skills. Adaptive learning software customizes lessons based on individual progress, delivering a personalized approach to each student's needs. This integration of ICT tools not only enriches the academic journey but also equips students with essential digital skills for the evolving landscape of the 21st century.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

104

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

104

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

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

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

35

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

1142

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

The institute, affiliated with Savitribai Phule Pune University (SPPU), adheres to its evaluation reforms, including:

1. **CEO Appointment:** A senior faculty serves as the College Exam Officer, overseeing exams internally and externally in alignment with SPPU directives. Exams follow choice and credit-based systems.
2. **In-Sem Examinations:** SPPU introduces In-Sem exams (30 marks) for UG and PG students, coordinated at the college level. Online exams are conducted via MS Teams, with question papers in multiple-choice format.
3. **End-Sem Exam:** SPPU conducts end-sem exams for UG (70 marks) and PG students (50 marks).

For academic excellence, the institute employs various assessment processes:

1. CO-Based Tests, Assignments, and Tutorials.
2. Continuous Internal Evaluation: Assesses practicals and termwork based on parameters like completion, punctuality, orals, attendance, and tests.
3. Mid Sem and Mock Endsem Exams.
4. Mock Practical/Oral Exams.
5. BE Project Reviews.

Exams are guided by the CEO and team, ensuring a fair and transparent marking scheme. Students are informed of their scores, and model solutions are discussed. Poor performers receive counseling from parent teachers, and project reviews align with the university's Project-based learning initiative.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

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

Department Level Grievance Redressal:

1. Each department designates a faculty member as the exam coordinator, part of the CEO team, resolving student concerns through consultation with faculty and the department head.

2. Faculty discusses issues with students, clarifying model answers and marking schemes.

3. If dissatisfaction persists, the matter elevates to the Principal, who offers guidelines for resolution.

Institute Level Grievance Redressal:

1. Institute-level grievances for university exams are handled by the College Examination Officer and examination section. SPPU-related issues, such as revaluation and answer sheet photocopies, are addressed with results communicated to students.

2. Staff approach the CEO for exam-related grievances, forwarding queries to SPPU for resolution, and conveying outcomes to concerned faculty.

3. Internal marks are entered via the SPPU portal, managed by HOD. Internal and external examiners ensure accurate marks entry.

4. Post online marks entry, the department coordinator collects authenticated marksheets, submitting them to the CEO office for verification and resolution of exam-related issues.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

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

Teachers and students at the institution are well-versed in the established Program and Course Outcomes. The college has meticulously defined Program Outcomes (POs) and Course Outcomes (COs), aligning them with the mission and goals of each program, following the framework set by Savitribai Phule Pune University (SPPU). These outcomes, applicable to both undergraduate (UG) and postgraduate (PG) programs, foster comprehensive student development in core subject knowledge, skills, creativity, competency, ethics, values, and soft skills.

Dissemination of POs, PSOs, and COs:

The institution utilizes various communication channels for Course Outcomes (COs) and Program Outcomes (POs):

Website: The college website prominently features COs, POs, and PSOs for respective departments. Example Link

Communication to Teachers:

Faculty members define POs, PSOs, and COs aligned with SPPU's framework for each program. SPPU-organized syllabus orientation workshops cover teaching methodologies and CO discussions. The framing of COs involves department faculties and subject group incharges, with approval after thorough discussions. Faculty members maintain all POs and COs in their course files.

Communication to Students:

Display Boards and Banners: POs and PSOs for respective programs are displayed in department corridors, the library, and staff rooms. Introduction of Course Outcomes: Each course commences with a presentation of relevant COs during lecture sessions. Continuous Assessment Question Papers: Exam questions for continuous assessment align with the specific course's COs, incorporating Bloom's Taxonomy levels of learning.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://mescoe.mespune.org/wp-content/uploads/2024/10/ESR_2022-23-SEM-2_19_July-2024.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

Program Outcomes (POs) and Program Specific Outcomes (PSOs) align with the curriculum. Course Outcomes (COs) are defined, mapped to POs and PSOs, and quantitatively assessed.

CO Attainment:

Assessment methods include continuous evaluation, semester-end exams, and lab assessments.

Indirect Assessment:

Course Exit Survey and Guest Lectures provide comprehensive feedback.

PO/PSOs Attainment:

Assessment methods include direct aggregation and indirect measures like Graduate Exit and Alumni Surveys.

Overall, departmental evaluation encompasses CO, PO, PSO attainment.

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

2.6.3 - Pass percentage of Students during the year

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

512

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	https://mescoe.mespune.org/wp-content/uploads/2024/10/ESR_2022-23-SEM-2_19_July-2024.pdf

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://mescoe.mespune.org/wp-content/uploads/2024/10/MESCOE-Students-Satisfaction-Survey-2022-2023-Responses.xlsx>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

26

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

3

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

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

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

1

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File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Research & Development Policy has been developed promote innovation and incubation for the faculty and students in tune with the corporate world.

2. Resources:

Research lab has been created for the promotion of innovation and incubation with required facilities. The Institute is nurturing the innovation with financial support of up to 50% to students in addition to the encouragement by prominent Alumni. Institute encourages the faculty and students to protect their IP by providing facilitates and financial support.

3. Institute Innovation Council:

Ministry of Education (MoE), Govt. of India has established 'MoE's Innovation Cell (MIC)' to foster the culture of Innovation among all Higher Education Institutions (HEIs). The Institution's Innovation Council (IIC MESCOE) has been established. IIC-MESCOE activity areas - Startup, Innovation, IPR and Internship.

4. Collaboration (MoU): Institute has various MoU with other institutions and industries for benefit of faculty and students.

5. Activities:

Every year Innovative and entrepreneurship activities such as Hackathons, SAE BAJA, Idea competitions, Awareness workshops on IPR, Cognitive and Critical thinking, Leadership Talks, etc. are conducted as per guidelines of Innovation cell. The institute

encourages the students to participate in competitions conducted by recognized bodies such as SPPU, IIC and, AICTE etc.

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

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

20

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

2

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

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

50

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

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

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

80

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

3.4 - Extension Activities

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

The college has undertaken following activities which have benefitted the neighbouring community while sensitizing the students to techno-social issues. The said domains of activity include Technology advancement, Social and Community service, Public health & safety and Environmental protection.

1. Advancement in Technology:

Engineers' & Teachers Day: The Celebrations organized every year have been allowing students and public to visit the innovative technical models/programs developed by our students over the years.

2. Social and Community service: Blood donation and Free Medical camps organized by NSS unit of the college in association with

various blood banks and NGO.

Earn & Learn Scheme: The Earn and Learn Scheme of Board of Students Development, Savitribai Phule Pune University is implemented successfully for the needy students. Students are benefitted from this Scheme by working in the Laboratories, Library and Office, etc of our institute. This Scheme also inculcates a sense of responsibility and dignity.

3. Public Health and safety: The organization of these activities make the students practically to see several social woes and they can develop empathetic orientation. These programs help the students to understand the significance of reciprocating to the society.

4. Environmental protection: College regularly organize environmental protection related activities to make students aware with environmental pollution causes, hazards, prevention and importance of environmental pollution control.

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

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

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

1

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	No File Uploaded

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

community and NGOs) during the year

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

17

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

728

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

2

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

4

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Classroom: All the classrooms are designed and maintained as per AICTE norms with respect to carpet area, lighting, ventilation, furniture, etc. to have a conducive environment with ICT tools which enable interactive teaching-learning processes.

Smart Classrooms: Smart classroom(309) on third floor is designed with the latest ICT tools and maintained to create a new state-of-art teaching- learning facility.

Laboratories: Laboratories are well equipped with adequate number of experimental set-ups, computers and peripherals to meet syllabus requirements.

State of the art facilities: The institute has taken great initiatives to develop unique and novel research facilities to incubate research environments.

- Centre of Excellence in High Performance Computing
- Centre of Excellence PG lab & SDR Lab
- NI Lab VIEW Academy
- Industrial Tribology Lab
- Kuka Robotics Lab
- Rapid Prototyping facility [3D Printing]

Computing Facilities: The college has more than 700 computers to fulfill all the academic requirements of students as well as faculties. Our college has adequate number of computers for students and faculties, 12 laptops for all departments. The entire campus is equipped with strong Wi-Fi connectivity. Our library is well equipped with fully automated 1 server, 20 Computers for students and 6 Computers for library staff.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2024/10/MESCOE-LABS.pdf

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

The institute encourages and provides facilities for students to participate in various games like cricket, football; athletics etc. to ensure overall development of students and to fulfill that requirement college is equipped with various sports equipment. To promote social awareness amongst students, the NSS team of the institute regularly organizes social welfare activities.

Cultural Activities: This committee organizes an annual cultural function called JHANKAAR. In order to showcase these talents in the student community various competitions like mehendi, singing, dancing, Staff Antakshari, Mr & Miss MESCOE, Lead the Youth, Treasure Hunt, Art Gallery, Fashion Show, Days celebrations, Rangoli making are conducted. Students also participate in various university and state level competitions.

Sports: Institute has a playground for practicing quite a lot of sports activities. Separate Gymnasium facility for boys and girls is provided by the institute in the campus. The institute has a physical director to guide students.

Public speaking and Communication skills development: Students are encouraged to participate in various university level events to international events like M-Baja, E- Baja, Robocon for overall development of students. Personality development programs run by the institute and under ASTITVA, the Institute organizes debate competitions every year. Institute has a language laboratory.

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

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

25

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2024/10/CLASSROOM_FINAL.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

10457412

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

4.2 - Library as a Learning Resource

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

Library is well-equipped with the latest infrastructure and well-stocked with a good collection of books.

The library is fully automated and operates with SLIM 21 ILMS. It includes all the features to automate library staff functionality related to cataloguing, Circulation, Inventory, and Reporting. For library members, SLIM 21 provides a portal to search in-house collections as well as external resources.

Name of ILMS software : SLIM 21 ILMS Nature of automation (fully or partially) : Fully Version : SLIM 21 - 3.9.0.35737

Year of Automation : FY 2007-08

This software is purchased in the FY 2007-08 from Algo rhythms Consultants Pvt. Ltd. for automation of the Library. SLIM 21 include all the features to automate library staff functionality related to cataloguing, Circulation, Inventory, and Reporting. For library members, SLIM 21 provides a portal to search in-house collection as well as external resources. Through AMC this software is upgraded annually.

Following services are provided by the library to its users with the help of SLIM 21:

- 1.Data conversion from existing system
- 2.Barcode labels format customization
- 3.Barcode labels Printing
- 4.Library ID card Format customization

5. Library ID card printing

6. Copy Cataloguing from Amazon

Numerous reports are generated with the help of this SLIM 21 software which help library for its smooth conduction.

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

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

B. Any 3 of the above

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

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

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

32.79

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data

for online access) (Data for the latest completed academic year)

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

73

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

4.3 - IT Infrastructure

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

Institute ensures extensive use of IT facilities by providing adequate access to computers with internet facility to students and faculties. Internet Leased Line (ILL) of 300Mbps provided by Tata Teleservices is available in the college campus Wi-Fi internet access is provided to staff and students.

The Institute has following license software:

- To roll out and outreach activities of Virtual Lab, our institution has a Virtual Lab Nodal Center (Id 226) made available to all colleges for online implementation of practical in the AY 2020-21.
- The Institute has MW Full suite (MATLAB-2019b) and MW one year MAOTS - ML online training suite in the AY 2020-21. MW campus wide suite (CWS) (MATLAB-2020a) is made available for the entire campus in the AY 2021-22.
- Institute updated Microsoft Campus agreement- Microsoft EDU Cloud Program during the AY 2019-20 and AY 2020-21 under this latest windows system software, server softwares are purchased. Also windows server CAL and Remote System CALs are available.
- Microsoft teams for execution of online lectures and meetings are utilized by all faculties.
- Library is well-resourced with the latest infrastructure and is fully automated with SLIM 21 ILMS.
- Cadence software related to the VLSI field is available for E&TC students in the VLSI & Design lab during AY 2018-19.
- NI lab view software is available for students in the mechanical department NI labview Academy.
- The college has open source system software installed on computers and utilized by students and faculty for online

teaching and learning.

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

4.3.2 - Number of Computers

750

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

36935727

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

There are established systems and procedures for maintaining and utilizing physical, academic, and support facilities such as laboratory, sports complex, computer, classrooms in the institute. The maintenance of physical, academic, and support facilities are carried out by the respective departments with the help of in house staff on daily basis, and periodically record is also maintained. And care has been taken to keep the equipments, machine, etc in working condition. In case of breakdowns, standard procedure is followed to bring the equipment/machine in working condition. A supervisor is appointed to monitor and maintain the physical facilities and Housekeeping.

1. Laboratories :Deadstock verification (Physical Verification) is carried out to verify working/nonworking/missing equipment etc. Preventive maintenance and performance monitoring is carried out.
2. Library: A librarian with supporting staff has been appointed to maintain the central library.
3. Sport complex/ ground/ equipment:The maintenance of ground is carried out on a regular basis. It is maintained under the supervision of the physical director.
4. Class Rooms:Head of the institute, HODs, and Class teachers monitor the cleanliness and ensure that the cleanliness is maintained in the classrooms.
5. IT facilities:The laboratory technicians and system administrator maintain the IT facilities in the institute. In case of major issues of maintenance, vendors are hired for the maintenance of IT facilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2024/10/OTHER-FACILITIES-FINAL.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1601

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

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

File Description	Documents
Link to Institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year
59

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year
59

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student	A. All of the above
--	----------------------------

grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

59

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

12

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

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

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

4

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

06

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

The students are main stakeholders of the institute, so there is maximum involvement of students in various activities and committees. There are student representatives in various committees like Anti-Ragging Committee, Internal committee, IQAC etc. to contribute in fulfilling administrative responsibilities. Also there is Alumni Representative in Departmental Advisory Board. College has Student Development committee under board of student development of SPPU.

Co-curricular and extracurricular Activities .As co-curricular activities students are dynamically involving in various clubs like roboclub, designers club, Nakshatra astronomy club, enthusiast club, Google developer club etc. and participate and win prizes every year in various inter-college/university competitions. .All the departments have student association: Association of Computer Engineers (ACE), Electronics & Telecommunication Engineering Students' Association (ETSA), Mechanical Engineering Students' Association (MESA). It provides platform for students to apply their knowledge and develop their skills. Under these associations various activities are organized comprising of various technical competitions like Walk through the gates, Knowalex, Technical Quiz, Ohm-factor, workshop on mobile assembling etc. Additionally, college encourages students to participate in National and International technical events like Techfest (IIT Bombay), Robo Con, BAJA by SAE Indiaetc with financial assistance and infrastructural facilities.

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

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

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

29

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

5.4 - Alumni Engagement

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

Alumni association of Modern Education Society's College of Engineering Pune is registered on 14 June 2019 with registration number "MH/929/2019/Pune". Main purpose of alumni association is to build strong bond between the alumni and institute at the same time among alumni also. Alumni association organizes alumni meet to achieve following objectives:

- To encourage the Alumni to take an active and abiding interest in the work and progress of the Institute so as to contribute towards enhancement of the social utility of their Alma Mater.
- To utilize the rich experiences of Alumni for the benefit and progress of the present students.
- To provide guidance to the present students in their

endeavour for better employment and higher studies.

- To promote the campus placements through the Alumni working in reputed industries in India and abroad.
- To get the valuable advices of the Alumni in the overall development of the college.

Alumni who have achieved good successes in their career or who have got selected in prestigious government services are regularly called to deliver guest lectures for the current students which definitely helps the current students to choose correct path for their career in future.

MESCOE Alumni Portal (Url:

<http://www.mescoepune.org/alumni/index.php>) is developed by the students of Google developers' club. This portal can be used by the alumni to get in touch with all registered alumni of various batches so that everyone can be benefited by some or the other way.

File Description	Documents
Paste link for additional information	https://mescoe.mespune.org/distinguished-alumni/
Upload any additional information	View File

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

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Institute Vision: To Groom - Motivated, Environment Friendly, Self-esteemed, Creative and Oriented Engineers.

Institute Mission: To Develop Industry Oriented Manpower to accept the challenges of Globalization by

- Promoting value education through motivated trained faculty
- Maintaining a conducive environment for education at affordable cost
- Promoting industry institute interaction
- Involving alumni

The vision and mission statements of the college are available at the college website and also have been displayed in each department and other prominent locations of the institute.

The institute has ensured that its vision and mission statements define the institution's distinctive characteristics clearly.

- The Institute has been set up with a mission to impart such knowledge that may be necessary for the holistic development of students thereby making them capable of being better employable and at par with the highly competitive job market.
- The institute pursues a three-fold system that involves curricular, co-curricular and extra-curricular activities. The curriculum being followed is designed in such a way so as to enhance and empower the knowledge base of students. The main focus is on the recent trends in technology.
- The institute visualizes facilitating young adult learners with opportunities to inculcate ethics and leadership potential thereby sensitizing learners towards inclusive social concerns, human rights, gender and environmental issues.
- The institute has drawn a clear perspective plan for future development and to maintain competitive edge in imparting quality education.

File Description	Documents
Paste link for additional information	https://mescoe.mespune.org/about-us/
Upload any additional information	No File Uploaded

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

The institute practices participative management and

decentralization in all academic as well as non-academic activities. The Institute has formed various committees for effective implementation of these activities.

The institute has two main statutory committees framed as per norms of AICTE.

1. Monitoring and Development Cell (MDC)
2. Internal Quality Assurance Cell (IQAC)

These bodies play an important role in framing policies and its execution.

There are several committees such as College Development Committee, Training & Placement Cell, Research Committee, academic monitoring Committee, Exam Committee etc.

Case study: budget preparation

The process of budget preparation is described as an example of participative management. For every financial year, the heads/in-charge of various departments call for the requirement of equipment/materials/software etc... Faculty/co-ordinators give their requirements considering various factors, the status of available equipment/materials/software, co-curricular and extra-curricular and other development activities and give an estimated budget.

The budget that includes the estimated salary, maintenance cost, etc. is prepared as well and presented to the authorities for approval. The budget is approved by the higher authority.

Actual expenditure as per budget is reviewed in third quarter and revised budget for current financial year and estimated budget for next financial year is proposed.

File Description	Documents
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2023/11/c6.-College-Committee-List.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institute planned and effectively carried out several strategies during the period 2022-23.

Strategy planned:

To provide a robust platform for expression of cognitive thoughts and promote research among faculty and students.

Strategy deployment:

To provide such a platform, the three departments of the institute organize a national conference every year. The conference sparks innovative ideas, fosters research relations, or partnerships between the various institutions and build strong research and development community. The conferences bring together researchers, engineers, and scientists in the domain of interest from a variety of disciplines.

The national conferences on "Recent Advances in Computer Engineering" [RACE] is the premier forum for presentation of new advances and research results in the field of Computer Engineering. RACE- 2023 was organized on 27-28 April 2023.

The national conference on 'Advancements in Communication, Computing, and Electronics Technology' (ACCET) is a series of conferences organized by Electronics and Telecommunication Engineering department. ACCET provides a platform for researchers, academicians, and students. ACCET-2023 was organized on 28 - 29 April 2023.

'Recent Developments in Mechanical Engineering' (RDME) is a series of national conferences organized by department of Mechanical Engineering with objective to provide the platform for students, engineers, researchers, and scientists. RDME- 2022 was organized on 15-16 September 2022.

Following are the links for conference websites

RACE <https://mescoe.mespune.org/race/>

ACCET <https://mescoe.mespune.org/accet/>

RDME <https://mescoe.mespune.org/rdme/>

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2024/02/6.2.1-conference22.23.pdf
Upload any additional information	View File

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

Role & Responsibilities:

1. Internal quality assurance and Autonomy cell. (IQA-A cell)
 1. Academic Calendar planning & Quality Monitoring
 2. IQAC, Accreditation & Ranking related all activities
2. Academic Monitoring. (AM Cell)
 1. Execution & Monitoring of Teaching - Learning Process
 2. Curricular, Co-curricular Student centric activities
3. Public Relation-Outreach-Admissions-students-industry-system cell. (PRO-cell)
 1. First year admission process, Students Data, Publicity, media marketing, information dissemination, Students Clubs.
 2. Placements & internship
 3. Extra-Curricular Activities
4. Research -Innovation- incubation-entrepreneur cell. (R-IIE Cell)
 1. Grants for Research and developments activities, Labs Development for research, Publications
 2. Entrepreneurship, Consultancy, Testing, MOU with industry, Exchange -Collaboration programs, Staff training, FDP / STTP of subject-course, Conferences-Workshops, Seminars
5. Funds Endorsement & Grants cell (FEG cell)
 1. Free-ship-scholarship receipt from social welfare-monitoring-liaison, Innovation-incubation Cell, Research Grants-Funds from state-central bodies
 2. Planning & development of various activities, Innovation, Entrepreneurship (EDC) and startups. Generation and budgeting of funds for above activities.

6. Services-Amenities-Facility-Environment on campus cell. (SAFE-cell):-

1. Civil infra Sharing, Planning & development of Civil Infrastructure, Amenities, resources like electricity, water, auditorium, sports facilities, Security, CCTV, Communication, Internet Connectivity. Environment Green campus activities, Lifts & fire safety audit. Analysis and planning for future development, Environment conservation issues.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://mescoe.mespune.org/wp-content/uploads/2024/02/Organogram-of-MES-college-of-engineering.pdf
Upload any additional information	No File Uploaded

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	No File Uploaded
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

Growth of an institute is contingent on its employees. Employees are valued and their needs are well-perceived. The purpose of employee welfare scheme is to enhance the holistic development of the employee's personality which enables them to perform their

work in satisfactory and healthy environment. The institute has effective welfare schemes that are implemented for the benefit of teaching and non-teaching staff.

The institute provides following welfare schemes for teaching and non-teaching staff members:

- The institute motivates teachers by providing Special/ study Leave to pursue post-graduation / doctoral research to bridge the gap between the latest trends in technology and industry.
- The Institute encourages and supports staff members to participate in various conferences / workshops / staff training programmes / faculty development programmes.
- Staff members are encouraged to take membership of professional societies.
- The teaching and non-teaching staff is given other benefits like casual leave, maternity leave, medical leave, earned leave, and vacation as per SPPU norms.
- Staff members of the Institute can avail the loans from Modern Education Society's colleges employee's Co-op Credit Society Ltd.
- Employees are eligible for retiral benefits like gratuity as per the Gratuity Act.
- The Institute has in-campus medical assistance.
- Training programmes are arranged for overall development of faculty.
- The institute has group insurance for staff.
- Uniforms facility is provided for Class IV employees.

File Description	Documents
Paste link for additional information	https://mescoe.mespune.org/wp-content/uploads/2024/02/MES-Credit.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/

workshops and towards membership fee of professional bodies during the year

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

6

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

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

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

8

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

The institute strictly follows the recruitment and promotional policies as stipulated by AICTE, Savitribai Phule Pune University as well as Government of Maharashtra.

- Each and every faculty member completes the self-appraisal procedure every year in the format prescribed by SPPU.
- Self-appraisal is done on the basis of the following points:
 - Teaching learning process evaluation
 - Specific duties / tasks assigned by Heads of the Department
 - Major contribution for the benefit of student/ staff / Institute
 - Awards/ rewards obtained by the faculty and staff
 - Contribution towards extracurricular and co-curricular activities
 - Execution of exam duties assigned by SPPU

Research contribution of staff in terms of research projects, publications and guidance provided to students for involvement in research

File Description	Documents
Paste link for additional information	http://sppudocs.unipune.ac.in/sites/circulars/Administrative%20Circulars%20%20Teaching/Yearly%20Appraisal%202020-2021_01.07.2021.pdf
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

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

The institute has the well-established mechanism for internal as well as external audits. The accounts department is headed by Registrar and maintains financial accounts. The financial statements are prepared and submitted to statutory bodies.

The audit for year 2022-23 is carried by Kalyaniwala and Mistry LLP Chartered accounts.

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

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

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

25

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

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

The institute has well-developed strategy for mobilizing funds that ensures the optimal utilization of resources while maintaining the transparency in the financial management. The strategy is focused on quality enhancement.

The primary financial resource for the Institute is the tuition fee. The tuition fee is fixed by concerned statutory committee.

The resources are optimally utilized as per the sanctioned budget.

The expenditure heads are as follows-

- Major component of expenditure - Employee Salaries
- Furniture, Laboratory Equipment and Consumables
- Industry Collaborative Labs.
- Library
- Establishing Centers of excellence
- Research & Development activities
- Training & Placement
- Software procurement, up-gradation, and maintenance
- Internet facility
- Student Services- NSS, Sports
- Power and fuel
- Printing and Stationery
- Postage and telephones
- Affiliation and Renewals
- Travel and conveyance
- Repair, Replacements, and Maintenance
- Taxes and licenses

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

6.5 - Internal Quality Assurance System

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

In 2022-23, the institute focused on enhancing academic quality, fostering industry collaborations, and improving student outcomes through skill development. A significant achievement was the establishment of the Automation and Robotics Department to drive innovation in emerging technologies.

1. Industry-Institute Interaction The IQAC facilitated 13 MOUs with industry partners, supporting internships and placements. Highlights included:

- 16 guest lectures on topics like Radiation and Microwave Theory.
- 5 workshops on Deep Learning, Embedded Systems, and IoT.
- 2 industrial visits to GMRT Narayangaon.
- 317 internships and 118 placements in companies like TCS and Persistent.
- 6 scholarships for meritorious students. These initiatives enhanced student exposure to real-world applications, boosting employability.

2. Student Skill Development To further employability, IQAC initiated workshops in AI and Cloud Computing. The Institution's Innovation Council promoted entrepreneurship through seminars on innovation and startups. A faculty development program on Cloud Computing and Machine Learning was also conducted to enhance teaching quality.

3. Teaching-Learning Review Regular reviews of teaching processes by IQAC ensured continuous improvements in academic and administrative activities.

4. Workshops and Webinars IQAC initiated 16 guest lectures and 5 workshops on technology trends. National-level conferences and events like IETE Project competitions encouraged research and

allowed students to showcase their skills

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

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

The institution systematically reviews its teaching-learning process, structures, methodologies, and learning outcomes at regular intervals to ensure continuous improvement. This is achieved through the Internal Quality Assurance Cell (IQAC), established as per the prescribed norms. The IQAC plays a vital role in evaluating and enhancing the academic and operational frameworks of the institution. Periodic reviews are conducted by the IQAC through principal meeting with HOD and Dean to assess the effectiveness of teaching strategies, curriculum delivery, Feedback and student performance. Based on these insights, the institution implements various reforms to enhance the quality of education and the overall learning experience. The institution has recorded incremental improvements across various activities through this continuous review process. These include the introduction of innovative teaching methods, better utilization of technology, enhanced faculty development programs, and improved student support systems. Furthermore, measurable improvements in student learning outcomes, such as higher pass rates and better academic performance, have been documented. This structured approach to reviewing and enhancing the teaching-learning process ensures that the institution maintains high standards of education, while also fostering an environment of continuous growth and excellence.

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

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of

A. All of the above

**Internal Quality Assurance Cell (IQAC);
Feedback collected, analyzed and used for
improvements Collaborative quality
initiatives with other institution(s)
Participation in NIRF any other quality
audit recognized by state, national or
international agencies (ISO Certification,
NBA)**

File Description	Documents
Paste web link of Annual reports of Institution	https://mescoe.mespune.org/national-assessment-and-accreditation-council/#abouttab5
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The institution constituted the following committees as per norms laid by University/UGC: Institution Grievance Redressal Committee, Anti-Ragging, Internal Committee and Mentoring Programme cares for the well-being of students and staff in the institution. The institution provides safety and security facilities for the staff and students such as CCTV Surveillance throughout the campus and security arrangement. Students wear ID cards at all times and outsiders are checked by security staff before allotting visitor IDs. The institution has a good mentoring system for the students to take care of their academic, emotional, social and cognitive development. Personal Counselling is provided to the students at different levels. There are separate washroom facilities for girls and boys. The institution has organized several programs in gender equity in curricula. The institution promotes gender sensitization through co-curricular activities like workshops, seminars, guest lectures and counselling by Parent Teacher etc. In accordance with the Nirbhay Kanya Abhiyaan scheme introduced by the Board of student

development, SPPU, the college organised a workshop on Implementation of Health of girl students. The institute also organized a one day Workshop on "Self Defence" for girl students to give training in health, law, and Student activities.

File Description	Documents
Annual gender sensitization action plan	https://mescoe.mespune.org/naac_2023/
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://mescoe.mespune.org/board-of-student-development/

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

A. 4 or All of the above

File Description	Documents
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid waste management-

In every room, dustbins are placed to collect waste and also centrally wet and dry waste inserted into green and blue big dustbins respectively. Generated waste is collected and segregated in the college premises in the category of dry and wet garbage. Recyclable waste is forwarded for further decomposition process to the Vermiculture Vermicomposting unit situated in college premises.

Water Recycling System-

Water Harvesting: A network of rainwater harvesting systems

ensures continuous recharging of groundwater tables. Institute has successfully implemented a rain water harvesting Project. Ground water recharging pit is prepared on the Institute campus. Arrangement has been made so that storm water flows from the playground to fill a pit and filter pit to well. The Institute has implemented a rain water Harvesting Project, that has saved a significant amount of expenses beside it maintains campus ecology.

E-waste management- The e-waste is taken care of properly. The old unused unrepeatable electronic equipment is disposed of properly.

Hazardous chemicals and radioactive waste management- The chemicals used in chemistry laboratories are disposed of carefully. The workshop machining waste chips are collected together and sold to scrap merchants for further reuse.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	C. Any 2 of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered	A. Any 4 or All of the above

vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	
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File Description	Documents
Geo tagged 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 are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above
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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	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies	A. Any 4 or all of the above
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of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	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 socioeconomic and other diversities (within 200 words).

Sr. No.

Details of Activity

Date of Activity

Type of Activity

1

International Yoga Day 2022

21/06/2022

Social, Cultural

2

Har Ghar Tiranga Rally

12/08/2022

Social, Cultural, Regional

3

Tree Planation

13/08/2022

Social, Socioeconomic

4

???????? ???? ????? ???? ?????????????? ? ? ??????"

26/08/2022

Social,Cultural

5

Poster Presentation

07/09/2022

linguistic,Regional

6

Ganesh Visarjan

09/09/2022

Social,Cultural,Regional

7

Elocution Competition

13/09/2022

Social,Cultural,Regional

8

Wachan Prerna Din

14/09/2022

linguistic

9

NSS Day Celebration

24/09/2022

Social,Cultural,Regional

10

Special Camp

13/09/2022

Social,Cultural,Regional, communal

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

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

The Institution organizes activities that strengthen our constitutional values and deepen our allegiance and responsibility towards our nation. The National Service Scheme (NSS) and Board of Student Development are two integral bodies under SPPU that commit to programs and activities to inculcate constitutional obligations and patriotism among students and staff. The college fosters community responsibility by organizing blood donation camps routinely. In every camp, around 100 volunteers donate blood. The college renders national service by organizing road-safety awareness programs routinely. Students are informed about traffic rules and regulations and instill the importance of safeguarding human life. To promote a sustainable environment, Swachh Bharat campaigns and Tree Plantation drives are organized. To protect human lives and property of the college during a disaster, MESCoE organized disaster management workshops. The college also organized awareness drives and mock drills for disaster management. MESCoE organizes a seminar on "Intellectual Property Rights" to create awareness about copyright, plagiarism, patenting, trademark, and several other related aspects to cultivate professional ethics. The college enshrines the sovereign and democratic values of our nation by

commemorating the Independence Day and the Republic Day annually. Constitution Day is celebrated every year in college.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://mescoe.mespune.org/national-service-scheme/#abouttab3
Any other relevant information	https://mescoe.mespune.org/board-of-student-development/

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

C. Any 2 of the above

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

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

Modern Education Society's College of Engineering celebrates national and international commemorative days to implant constitutional responsibilities, to engrain patriotic spirit and to encourage unity among fellow citizens. 1. Independence Day and Republic Day are celebrated in the college by hoisting the Indian

flag. 2. International Women's Day is celebrated on 8th March.

3. International Yoga Day is celebrated on 21st June. 4. Teachers Day is celebrated on 5th September. 5. Engineers Day is celebrated on 15th September by organizing various activities like expert talk on advanced technology, eco-social roles of engineers in society. 6. Gandhi Jayanti Celebrated on 2nd October. 7. National Innovation day, Energy conservation day, IPR day and World Entrepreneur days are also celebrated.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice I

Title of the Practice: 'Industry Institute Interaction'

Goal: Main objective is to establish and maintain relationships with the corporate world through MoUs, Centre of Excellence, sponsored projects, industrial visits and in-plant training for students and faculty members.

The Context: Institution has taken initiative to interact with various industries through the Industry Institute Interaction committee that maintains professional relations with industries.

Practice:

1. Membership of Professional Technical Bodies:
2. MoUs with industries -
3. Lab development under Center of Excellence

4. Industrial visit, Guest Lecture, -
5. Promotion to do internship and industry sponsored project for students -
6. Curriculum development at par with industry requirement

Best Practice II

Title of Practice: Student Skill Development Activity

Goal: Development of students' technical skill and job skills necessary for industries through Co- curricular and extracurricular activities.

The Context: Co-curricular activities are significant for enriching students on an emotional, cognitive, physical, and social level. At the same time, extracurricular activities incorporating NSS, art and music can play a vital role in nation-building, psychomotor development and dexterity.

The Practice:

1. Formation Different Student Chapter
2. Co-Curricular and Extra Co-Curricular Activities
3. Development of laboratories with the latest experimentation facility
4. Support for Internship and Sponsored Project
5. Provision of E-content for advance Learning (NPTEL, video Lectures).
6. Formation of Students Clubs

File Description	Documents
Best practices in the Institutional website	https://mescoe.mespune.org/national-assessment-and-accreditation-council/
Any other relevant information	https://mescoe.mespune.org/institutions-innovation-council-iic-mescoe/

7.3 - Institutional Distinctiveness

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

Institute has taken special efforts to develop the research culture among both staff and students. Institute is always keen to provide and build an environment which can promote and encourage research in not only core areas but also in multidisciplinary areas. Institutes believe that to promote the research in the students, the faculties must be equipped with knowledge and process related to research areas. This is achieved by continuously promoting the faculty to pursue higher education like PhD through special duty leaves to attend research work and conferences, research Lab etc. Institutes also promote organization of conferences to create a platform for sharing of latest knowledge and bring together researchers from different areas of the nation. This has helped the institute to have a maximum number of faculties with PhD qualification and some as PhD Guide.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

1. Increase Intake of UG courses
2. Planning of establishing research centre
3. Increase number of MOUs with Industries