



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

**TSSM'S BHIVARABAI SAWANT COLLEGE
OF ENGINEERING AND RESEARCH**

- Name of the Head of the institution **Ganesh Arunrao Hinge**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone no./Alternate phone no. **9922884433**
- Mobile no **9764560690**
- Registered e-mail **principal@tssm.edu.in**
- Alternate e-mail **principalbscoer@tssm.edu.in**
- Address **S. NO. 12/1/2 AND 12/2/2, NARHE,
TAL. HAVELI, DIST. PUNE**
- City/Town **Pune**
- State/UT **Maharashtra**
- Pin Code **411041**

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**
- Name of the IQAC Coordinator **Dr. Pratap N. Shinde**
- Phone No. **9890812929**
- Alternate phone No. **9834858707**
- Mobile **9890812929**
- IQAC e-mail address **pnshinde2@gmail.com**
- Alternate Email address **kanade.bscoer@gmail.com**

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

<https://tssm.edu.in/naac-aqar3>

4.Whether Academic Calendar prepared during the year?

Yes

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

https://tssm.edu.in/iqac/aqar-2021-22/academic_calendar.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.08	2019	15/07/2019	14/07/2024

6.Date of Establishment of IQAC

28/06/2016

7.Provide the list of funds by Central / State Government

UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

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

8.Whether composition of IQAC as per latest NAAC guidelines

Yes

- Upload latest notification of formation of IQAC

[View File](#)

9.No. of IQAC meetings held during the year 2

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

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

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

- If yes, mention the amount

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

- Enhancement in quality of course material by continuous assessment via Module coordinator and Quality Assurance Cell.
- Effective implementation of students forum in the department to discover the skill set of students
- One faculty one industry connect through MOU
- To achieve the MOOC certification with a minimum Elite grade and expertise in handling Virtual Lab
- Conduction of student development training programs to boost Skill of students to enhance the quality of the placement

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
It is proposed to follow a blended mode for teaching learning with emphasize on interdisciplinary approach and skill based education.	The SPPU has taken the cognizance of it and implemented the same while revising the syllabi of existing courses.
The faculty members are motivated to undergo MOOCs and FDPs like NPTEL and ATAL courses to keep pace with the changing technologies	Many faculty members attended FDPs and MOOCs in online/offline mode on recent technologies in their respective fields.
Development of in-house facilities for skill based training such as electric vehicle and charging infrastructure laboratory.	A new EV-lab in collaboration with Synergy e-mobility solutions Pvt. Ltd. and Skillsonics international, Switzerland is established.
Faculty members are motivated to enhance their education qualifications by obtaining PhD degrees.	In this academic year, three faculty members obtained their PhD degrees. Three faculty members have registered for PhD program. Additionally, five faculty members are in the process of admission to PhD programs.

13. Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

Name	Date of meeting(s)
College Development Committee	11/06/2022

14. Whether institutional data submitted to AISHE

Part A

Data of the Institution

1.Name of the Institution	TSSM'S BHIVARABAI SAWANT COLLEGE OF ENGINEERING AND RESEARCH
• Name of the Head of the institution	Ganesh Arunrao Hinge
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	9922884433
• Mobile no	9764560690
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• Location	Urban
• Financial Status	Self-financing
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• Name of the IQAC Coordinator	Dr. Pratap N. Shinde

• Phone No.	9890812929				
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• IQAC e-mail address	pnshinde2@gmail.com				
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3.Website address (Web link of the AQAR (Previous Academic Year))	https://tssm.edu.in/naac-aqar3				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://tssm.edu.in/iqac/aqar-2021-22/academic_calendar.pdf				
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Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.08	2019	15/07/2019	14/07/2024
6.Date of Establishment of IQAC				28/06/2016	
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Whether composition of IQAC as per latest NAAC guidelines				Yes	
• Upload latest notification of formation of IQAC				View File	
9.No. of IQAC meetings held during the year				2	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?				Yes	

• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
• If yes, mention the amount		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
• Enhancement in quality of course material by continuous assessment via Module coordinator and Quality Assurance Cell. • Effective implementation of students forum in the department to discover the skill set of students • One faculty one industry connect through MOU • To achieve the MOOC certification with a minimum Elite grade and expertise in handling Virtual Lab • Conduction of student development training programs to boost Skill of students to enhance the quality of the placement		
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		
Empty space for plan of action and outcome		

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13.Whether the AQAR was placed before statutory body?	Yes
Name of the statutory body	
Name	Date of meeting(s)
College Development Committee	11/06/2022
14.Whether institutional data submitted to AISHE	
Year	Date of Submission
2021-22	13/01/2023
15.Multidisciplinary / interdisciplinary	
The Institute's vision defined in the original is to develop	

globally competent engineers for techno-economic development of society. The Institute's vision defined in the original is to develop globally competent engineers for techno-economic development of society.

All activities are centered to replicate this vision. Institute promotes & supports the students to develop innovative products, undertake interdisciplinary projects, involving students in R & D projects of faculty members.

Faculty members used to give suggestions to Chairman through BOS members for appropriate curriculum improvements. Also, projects in the areas of community engagement and service, environmental education, and value-based towards the attainment of a holistic and multidisciplinary education are implemented through mini projects and major (Final year) projects.

Offering a multidisciplinary flexible curriculum is in the process and expected to get appropriate guidelines from affiliating university and those will be implemented accordingly.

We organized workshops/seminars related to the industry-institute linkage through which we can identify the thirst areas. Based on this, the students are encouraged to select their seminar & project topics. Off-let, due to boundary less engineering approach, many such topics are interdisciplinary in nature and we also try to address social issues through such activities. e.g. Few students are working on the topic of "Enhancement of methane in biogas production through appropriate pre and post treatments".

Multidisciplinary / interdisciplinary approach is implemented through interdisciplinary mini projects & major projects chosen for final year students.

16.Academic bank of credits (ABC):

Encouraged all the students to create the ABC ID. Session was conducted by the quality assurance cell (QAC) about the importance of ABC and in due course of time, the creation of ABC ID is partially done.

Registration of the institution under the ABC will be done after the appropriate guidelines from the affiliating university.

Institution collaboration, internationalization of education,

joint degrees between Indian and foreign institutions and to enable credit transfer is at the planning stage. As a conventional procedure of affiliating university, board of studies (BOS) has authority to design the curriculum. But the feedback and opinion of the expert faculty members has been taken to design respective syllabus of domain along with the industry. Draft of curriculum is circulated to every faculty for getting any correction if required. To nurture and inculcate the design syllabi, faculty orientation program were designed and conducted as per faculty expertise for equally transformation of technical depth. Implementation of Academic bank of credits (ABC) in the institution is in the process.	
17.Skill development: Use to provide trainings for acquiring different technical and soft skills. Encouraged to choose the respective subjects through the university curriculum under Audit course, viz. Awareness to civil Engineering Practices / Road Safety Management / Foreign Language, Professional Ethics and Etiquettes/ Sustainable Energy Systems, Leadership and Personality Development/ Industrial Safety etc. Expert sessions are conducted to bridge the gap. Value addition programs are planned for the current students.	
18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course) The institute works toward preserving the indian culture and tradition by organizing various events/festivals such as Shivjayanti, Ganeshotswav, birth and death anniversaries of national eminent personalities such as Mahatma Gandhi, Bhagat Singh, Savitribai Phule, Dr. Babasaheb Ambedkar, etc. The institute celebrates national festivals such as Independance day, Republic day and Maharashtra day with great enthusiasm. Students present their thoughts during such programs in English, Hindi or Marathi language.	
19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE): Institute has sound clear Program outcomes (PO), program specific	

outcomes (PSO) and course outcomes (CO) for all programs. Teachers are familiar with POs, PSOs of the programs as they are involved in PO PSO formation process. For newly joined staff during departmental staff meeting Program outcomes (PO), program specific outcomes (PSO) and course outcomes (CO) for respective program is conveyed. Also Vision and mission of the college is discussed in those meetings. Head of the department and teachers discuss POs and frame PSOs of the programs which are in line with Graduate Attributes and Vision, Mission of the Institute. POs and PSOs are displayed for teachers and students at following locations: 1.Institute web site 2.HOD cabins 3.Notice Boards 4.Department laboratories 5.Department Library. Principal delivers address to all newly admit first year students and their parents in the induction program. During this address institute vision, mission and program objectives are stated. Every course teacher discusses expected course outcomes with students at the beginning of each semester. The MOODLE is also used to convey the COs, PSOs and POs to the students and faculty members. Every subject teacher keeps the copy of POs, PSOs and COs in their course files.

The course coordinator defines the policy for attainment of each CO through tests, mini-project, lab work and students activities to be performed by students. All questions of internal tests are mapped with COs. Being affiliated institute 60% weightage is for external tests and 40% for internal test. The performance of students in projects, lab work and student's activities are mapped with COs. Through direct tools like test, projects, performance rubric and student's portfolio, the attainment of COs is evaluated at mid semester and end semester. Through mapped COs, the attainment of POs/PSOs is evaluated. The indirect tools like course end survey, exit survey are employed to get perception of self-evaluation. For getting overall attainment of POs/PSOs, the weightage for attainment through test is 50%, weightage for attainment through student's activity is 40% and that for indirect tools through various surveys and feedback is 10%. The assessment process resulting in attainments is evaluated by course coordinator and program coordinator and conveyed to students and parents. Based on the level of attainments, the action plan for improvement is suggested in next semester.

20.Distance education/online education:

Institute has planned to conduct the courses through Pradhan mantra kaushal vikas yojna (PMKVY).

To adopt appropriate teaching methodology, the classrooms are well equipped with ICT facilities. Use of online resources are possible as the classrooms are enabled with wi-fi facility. In-line with outcome-based education, to enhance the learning ability and inculcate the engineering knowledge, it is necessary to change the attitude towards academics by using advanced ICT tools like, Learning Management System - MOODLE, Self-learning Laboratories, Virtual Class (VC) Lectures and Online Video Recordings of theory and laboratory sessions.

ICT enabled teaching learning methods are instrumental in developing self and independent learning attitude amongst the students which can significantly augment the conventional teaching learning process. This method inculcates the habit of independent learning amongst the students through the use of self-learning laboratory. The recorded video sessions prepared by faculty members provide experience of learning rather than reading from books.

Extended Profile

1.Programme

1.1	260
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1671
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	212
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File
2.3	539
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	106
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	100
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	37
Total number of Classrooms and Seminar halls	
4.2	664.97
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	551
Total number of computers on campus for academic purposes	
Part B	
CURRICULAR ASPECTS	
1.1 - Curricular Planning and Implementation	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and	

documented process

Institute prepares quality plan through Internal Quality Assurance Cell (IQAC) and Academic Monitoring Committee (AMC). AMC prepares academic calendars in line with academic calendar of Savitribai Phule Pune University (SPPU).

Institutional preparation is ensured at three levels viz., faculty, laboratory and departmental preparation. The faculty members are instructed to prepare their course file as defined by AMC.

Based on load distribution, departmental time table coordinator prepares time table and the same is verified and approved by HOD. All necessary formats are made available to faculty members for record keeping. The course files are verified by AMC for correctness and completeness before commencement of semester. All the students are enrolled for respective courses on LMS-MOODLE.

Expert lectures, workshops and seminars are arranged to reinforce curriculum, and students are motivated to undertake mini projects wherever required as per subject plan.

Institute motivates faculty and ensures the adoption and usage of Information and Communication Technologies (ICT) tools, project based learning, and experiential learning. AMC ensures implementation of curriculum for entire semester as per plan, also providing necessary guidelines against deviation and observations of IQAC. IQAC verifies and validates the quality requirements of all academic processes and provides feedback to AMC.

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)

In the beginning of every semester for the preparation of academic calendar the institute refers the SPPU academic calendar. The students are communicated about the internal assessment processes as well as the subjects, exam pattern and respective teaching faculty for creating awareness of their academics to improve teaching learning. Academic assessments of each department are

audited by AMC. Findings of audit are communicated to the respective head of the department for the necessary action. The respective head of department discusses the findings with the departmental AMC, GFM coordinator and class teacher. The departmental AMC monitors the scheduled activity executed as per plan. The respective subject teacher completes the assessment activity as per plan and declares the result. In some specific cases, if the student is lagging behind the deadline, then the student is given counseling to finish the assigned task within the stipulated time. Still if the student is not able to complete the assigned task on time, it is informed to the parents through GFM to guide and counsel the students for completing the task, by this the parents are also involved for the smooth execution of the academic process.

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. 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

B. Any 3 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	No File Uploaded

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

5

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

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

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

10

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

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

730

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

One of the fastest changing and demanding fields is environmental sustainability. The curriculum includes courses related to

renewable energy, waste management and water conservation technologies. Furthermore, institute makes efforts to attract students toward green culture by organizing curriculum based awareness programs. Curriculum also includes aspects focusing on eco-friendly design.

The assignments designed for various subjects demand to have a look at core values like engineering development for societal benefit, extending support to locals through technical activities and contributing towards societal development.

Engineers need to be aware of ethics as they make choices during their professional practice of engineering. Our institute includes discussion of ethics in curriculum of SPPU to i) foster an increased awareness of ethical behavior, ii) present engineering case studies that illustrate ethical (or unethical) decisions.

The cultural stereotypical perceptions of having different abilities among gender are overcome by the institute through adaptation of assignments irrespective of gender. While imparting the training, no gender discrimination is observed. The opportunities offered to the students overcome the barrier of the gender as reflected from the results. To augment the academic activities addressing gender issue, co-curricular activities and extra-curricular activities are given due importance.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

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

10

File Description	Documents
Any additional information	No File Uploaded
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

963

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	A. All of the above
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File Description	Documents
URL for stakeholder feedback report	https://tssm.edu.in/iqac/aqar-2021-22/1.4.1.pdf
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	A. Feedback collected, analyzed and action taken and feedback available on website
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File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://tssm.edu.in/iqac/aqar-2021-22/1.4.1.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

430

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

178

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

2.2 - Catering to Student Diversity

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

Every year, the institute organises an orientation program for newly admitted students before the start of the semester. The

academic progress of the student is traced from their prior academic success to the present. Based on each student's understanding and social background, the institute determines the needs to serve their varied needs. The Guardian Faculty Member (GFM) assesses the students and then divides them into advanced, average, and slow learners using a predefined format developed by the Academic Monitoring Coordinator (AMC). Standard teaching material is prepared so that any average learner can grasp it. This data analysis is referred by all GFMs of First year engg (FE) classes and passed on subsequently to higher classes. Individual departments plan activities for slow and advanced learners for higher classes. The provision of motivational support for advanced learners such as The self-learning lab provides more self-study materials. Through mini-projects where faculty members offer direction and support, they can test their ideas. Faculty members additionally exhort these students to become more actively involved in various R&D initiatives whenever possible.

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
1671	106

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

Teaching-learning process is designed and organized considering student-centric approach. Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences. Learning by doing, undertaking and implementing case studies, resolving problems through Project Based Learning (PBL) are some of the approaches adopted by the faculty members to ensure student

learning and attainment of Course Outcomes. MOODLE is used in the institute as an effective learning management system which provides scope for the students to undergo self-learning, participative learning and collaborative learning to provide solutions to practical problems. Through the use of MOODLE, the faculty members encourage the students to learn and explore their knowledge in addition to classroom teaching-learning process. Model making, circuit designing, electrical equipment repair, and code debugging types of activities are conducted in the institute for imparting real life experience. To inculcate the habit of reading and life-long learning amongst students, in every department, time slot is allocated under the supervision of the faculty member for utilizing the library effectively. Extended learning opportunities are provided to students by encouraging them to participate in activities such as projects beyond curriculum, student presentations, and participation in technical activities.

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

The classrooms are well equipped with ICT facilities to adopt appropriate teaching methodology. As the classrooms are enabled with wi-fi facility, use of online resources are possible. In-line with outcome-based education, to inculcate the engineering knowledge and enhance the learning ability, it is necessary to change the attitude towards academics by using advanced ICT tools like, Self-learning Laboratories, Online Video Recordings of theory and laboratory sessions, Learning Management System – MOODLE and Virtual Class (VC) Lectures. ICT enabled teaching learning methods are instrumental in developing independent and self learning attitude amongst the students which can significantly augment the conventional teaching learning process. The recorded video sessions prepared by faculty members provide experience of learning rather than reading from books. This method inculcates the habit of independent learning amongst the students through the use of self-learning laboratory.

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

106

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

106

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

10

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

481

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 adopts various methods to evaluate students. The quizzes, assignments, MOCK, Unit test are used for internal evaluation.
- Internal assessment in college is so transparent that every student has an idea about the standard internal evaluation process of the theory & practical subjects.
- To evaluate the understanding level of student topic wise Multiple Choice Questions are uploaded on Moodle. Where time duration is provided and students attempt the MCQ test. Their ability of reasoning and understanding is judged and performance evaluated.
- On important topics the various assignments are given to understand clarity in concepts, problem solving as well as presentation. The unit tests are conducted on taught units by selecting the questions on course outcome based. Results of unit tests are given to students and their counseling is done for improvement in their performance.

- For considering the students to perform better in the Practical and oral exams the MOCK orals are conducted to understand their detailed knowledge about the topic.
- Seminars and project reviews are arranged on selected topics from research papers by which preference is given for recent trends in the technology. The guidance is provided for selection of topic. The performance is evaluated on the basis of content delivery, selection of topic, the presentation and answering ability.

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

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

- Grievances handling mechanism is completely transparent. Starting of every semester all faculty members described the evaluation process of internal marks and external marks.
- As per the Savitribai Phule Pune University (SPPU) examination, examination cell is constituted at the institute level. Grievance Redressal Cell (GRC) is constituted by the Principal.
- The students can approach GRC with grievances and GRC provide guidelines to the students in resolving problems. Grievances are forwarded within the stipulated time to the SPPU. The SPPU classifies grievances and forms respective committees.
- The committee members are selected from the affiliated colleges on random basis, grievances are resolved by the committees and the decisions are communicated to the institute by the SPPU. The decisions are informed to the students through examination section of the institute. In case of online examinations, if any technical problem related to system occurs, CEO of the institute, in consent with the SPPU, resolves the issues.
- The grievances related to internal evaluation of the institute are timely resolved by the GRC as per the guidelines laid down by IQAC. If the claims of student related to continuous assessment, then the claims are settled at department level, if the claims are not settled at department level, then the case is forwarded to IQAC for quality check which calls the experts from other institutes

and resolves the case.

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.

For all programs Institute has sound clear Program outcomes (PO), program specific outcomes (PSO) and course outcomes (CO). All teachers are involved in PO PSO formation process and they are familiar with POs, PSOs of the programs . In departmental staff meeting Program outcomes (PO), program specific outcomes (PSO) and course outcomes (CO) for respective program are conveyed to newly joined staff and also in those meetings Vision and mission of the college is discussed. Head of the department and teachers discuss POs and frame PSOs of the programs which are in line with Graduate Attributes and Vision, Mission of the Institute. For teachers and students POs and PSOs are displayed at following locations:
1. Institute web site 2. HOD cabins 3. Notice Boards 4. Department laboratories 5. Department Library. In the induction program Principal delivers address to all newly admit first year students and their parents.

In this address institute vision, mission and program objectives are stated. At the beginning of each semester every course teacher discusses expected course outcomes with students. The MOODLE is also used to convey the COs, PSOs and POs to the students and faculty members. In additionally every subject teacher keeps the copy of POs, PSOs and COs in their course files.

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

The policy for attainment of each CO are defines by the course coordinator through tests, mini-project, lab work and students activities to be performed by students. All questions of internal tests are mapped

with COs. Being affiliated institute 40% for internal test and 60% weightage is for external

tests. The performance of students in projects, lab work and student's activities are mapped with COs.

At mid semester and end semester the attainment of Cos is evaluated through direct tools like test, projects, performance rubric and student's portfolio. Through mapped COs, the attainment of POs/PSOs is evaluated. The indirect tools like course end survey, exit survey are employed to get perception of self-evaluation. For getting overall attainment of POs/PSOs, the weightage for attainment through test is 50%, weightage for attainment through student's activity is 40% and that for indirect tools through various surveys and feedback is 10%. The assessment process resulting in attainments is evaluated by course coordinator and program coordinator and conveyed to students and parents. Based on the level of attainments, the action plan for improvement is suggested in next cycle.

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

493

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://tssm.edu.in/iqac/aqar-2021-22/2.6.3-ceo-report.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://tssm.edu.in/iqac/aqar-2021-22/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

7.55

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

3.1.2 - Number of 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	View File
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

10

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

3.2 - Innovation Ecosystem

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

The growth and sustainability of the system depends on the eco-system. Understanding this biological concept, institute has designed a system for establishment, growth, and sustenance of innovation culture in the institute. Through analysis, the strength and expertise of the institute are identified to be utilized for the cause of innovation. Attempts are made to publicize the strength and expertise among the stakeholders so as to extend its benefits and create conducive environment for innovation. Institutional Research Cell- To strengthen the research activity, Institutional Research Cell (IRC) is framed which plays a vital role by training the faculty members and students in the research domain., Workshops, seminars, lectures, are organized in line with IRC policies organized regularly. Visit of interested faculty members and students to R & D organizations, are arranged. As a proof of capacity building and utilization of the resources, student along with faculty members undertake innovative mini-projects/major projects. Departmental student

chapters and professional chapters further help the students to take-up the activity. The achievements get reflected in various state and national level competitions. The feedback of the experts at such platforms help the innovators to hand boosts their moral. Incubation Center - The knowledge and expertise available.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://tssm.edu.in/iqac/aqar-2021-22/3.2.1.pdf

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

6

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

3

File Description	Documents
URL to the research page on HEI website	https://tssm.edu.in/academics/research_collaborations_mou
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	View File

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

11

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

8

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 institute postulate social responsibility and has policies to fulfill them. The faculty members and students of the institute

participate actively to resolve social issues within window. This helps to imbibe the social values amongst the students leading to their holistic development. To sensitize the students, institute organizes various events like, exhibiting societal problems in campus, and organizing discussions on the same. In this domain, the NSS unit of the institute plays a major role. Also, all the academic departments contribute towards the cause. Attempts are being made to exhibit the applicability of the competency and skill imparted to the students towards resolving social issues through regular academics as well as cocurricular and extra-curricular activities. To extend the actual benefits to the society, institute has adopted Haatve and Khopi villages of Pune district to resolve the societal problems through technical solutions such as "Save Girl Child", "Swatch BharatAbhiyan", "Digital India", and application of appropriate technology. To make the activities effective and participative, stake holders are taken into confidence. Indeed, head-masters, teachers, gram-sevak, and sarpanch fortunately support the activities positively. This practical approach has positive impact on students as well as community. Student gain the skills like, involvement in society, communication,

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

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

0

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

4

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

127

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

3.5 - 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

141

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
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

5

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Infrastructure is always linked to process improvement in education. Infrastructure has gone above and beyond in some instances. Because the classroom is only open to students, there is ample room for practice sessions, remedial classes, additional lectures, and expert lectures. The classroom can also be used by the student to practice non-routine subjects. Faculty members don't have to move to a lab or another area to use appropriate teaching methods because the classroom has ICT facilities.

By offering a ratio of 1:4, our institution surpasses the typical ratio of 1:6 students to computers. Students have access to a wide range of computational resources because every computer is

connected via LAN. The seminar halls are well-designed and well-developed, and they also provide the infrastructure needed for large-group interactions and expert lectures.

Our institute surpasses the norm by achieving a ratio of 1:14 between computers and students, exceeding the 1:6 ratio required by standard. Because every computer is in a LAN, anyone who wants to use it can use a huge computational facility.

The seminar halls are well-designed and constructed to meet the need for a sufficient infrastructure in order to interact with a large number of students or provide an expert lecture.

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

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

Through co-curricular and extracurricular activities, the institute places an emphasis on the students' overall development. Outdoor sports have a big impact on this kind of growth.

There is an open field at the institute that can be used for sports like kho-kho, kabaddi, football, and cricket. Students have access to a basketball court that is only for them. Students are free to use any and all facilities at any time, even when they are not participating in scheduled academic activities. Table tennis, chess, carom, and other indoor games can also help students develop specific skills like planning and intellectual thinking. There are sufficient facilities for such games.

The institute frequently hosts interdepartmental sports and games competitions. Certificates are presented to competition winners, and appropriate publicity is given to them to encourage them.

The institute promotes and practices yoga for mental and physical health. The students have access to a Yoga center where they can practice yoga in their spare time. The institute organizes World Yoga Day to educate students about the practice.

In addition, the college hosts a variety of cultural events under

the umbrella of "Jashn-E-youth." In addition, students are encouraged to take part in a variety of inter- and intracollege cultural events, such as University Karandak, Konkan Karandak, and Purushottam Karandak

File Description	Documents
Upload any additional information	No File Uploaded
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.

37

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

10.84

File Description	Documents
Upload any additional information	No File Uploaded
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)

Main objective of the central library is to support the vision of the institute and to provide seamless access of information to the students and faculty members of the institute in networked environment. The library is fully automated using library management software 'AutoLib' since 2013 and upgraded to 'Koha' from March 2022. Koha is the first free software library automation package. AutoLib and Koha includes modules for acquisitions, circulation, cataloguing, serials management, authorities, flexible reporting, label printing, multi-format notices, offline circulation for when Internet access is not available, and much more. Koha has a large number of available languages, with more languages every year. Koha is fully integrated, versatile, user-friendly, cost-effective and multi-user software. This software is equipped with different modules like Acquisitions, Cataloguing, Circulation, Serials and OPAC. This module is used for all types of counter transactions such as: Issue, Renewal, Return, Recall, Reservation, Reservation Cancel, Reminders, Overdue receipt, No-due certificate, overdue reports and Statistical reports for all specified counter transactions. Serials module simplifies tracking of magazine and newspaper holding of the library. OPAC module facilitates easy access of available resources to the users.

File Description	Documents
Upload any additional information	No File Uploaded
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	No File Uploaded
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)

28.79

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

7

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

The institution regularly evaluates and updates its IT infrastructure, which includes hardware, software, and networking. With the upgraded IT facility, the institution intends to acquire additional computers and related infrastructure.

The institute's skilled and dedicated system administration team assists with the installation and upkeep.

As required, the upgrade is carried out on a regular basis. For instance, when the university's suggested curriculum changes or when a new technology is introduced to the market and recommended for education.

INTERNET Facility: The institute leases a Tele global Communications Pvt. 300 Mbps line. Ltd. Wi-Fi with a wireless access point (Brovis) The institute uses the Zoom online application for online lectures.

LAN Service:

All of the institute's departments and office buildings have access to Ethernet and broadband Internet. Utilizing UTP Cat 6 cabling, the LAN is functioning at a speed of 100 Mbps using 100 Base TX twisted pair Fast Ethernet.

The institute has application software, antivirus software, and interactive smart boards for ICT.

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

4.3.2 - Number of Computers

551

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

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)	No File Uploaded

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.

Daily, preventive, and breakdown maintenance policies are in place at the institute.

Maintenance every day: The CLRI (Cleaning, Lubrication, Repair, and Inspection) procedure is followed wherever it is necessary. Daily updates are made to the maintenance chart, which is overseen by the responsible party. Emergency maintenance of no equipment or infrastructure is avoided.

Preventative upkeep: All preventive maintenance procedures are carried out in accordance with the schedule, resulting in equipment and infrastructure upkeep. Before the semester begins, the appropriate cells check to see that there is no pending preventative maintenance and that the infrastructure and laboratories meet standards.

Preventative maintenance: In the event of a breakdown, an alternate arrangement for the necessary infrastructure and equipment is made to prevent activities from being hampered. In the event that the equipment is beyond repair or has lost its utility value, it is written off using the institute's specified procedure.

The process owner communicates the issue to the maintenance team in each case, and the appropriate personnel are assigned to address it.

Except for the common facilities like the sports complex and library, each department has its own infrastructure, so putting on different activities is easy. In order to avoid disruption and academic loss, the department also develops and communicates a resource utilization plan.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1364

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 benefitted 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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

4

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

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

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

135

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

135

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student

A. All of the above

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

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

162

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

5

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

1

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.

0

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

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

The institute has active Student Council. Every year, the formation of Student Council is done as per the guidelines set by SPPU. The Student Council helps organize events, fundraises, and other things that benefit the college. The Student Council also helps with discipline within the college. The objective behind formation of student council is to give annual quality opportunity and responsibility to the students to organize various activities in the institution to enhance and develop various skills like leadership qualities, stage daring, social awareness and sense of responsibility. The student council members are given many responsibilities which include but not limited to: organizing cultural programs, sports events, seminars, workshops etc., arranging for fund raising activities like charity events, blood donation camps etc.

They also help in maintaining cordial relations between teachers and students through friendly discussions with teachers as well as encouraging healthy competition among fellow-students through inter-college competitions. National Service Scheme (NSS) is active in conducting various social activities like blood donation camp, cleanliness camps.

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

0

File Description	Documents
Report of the event	No File Uploaded
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

Institute has registered Alumni Association from Assistant Charity Commissioner, Pune, with the name of "TSSM's Bhivarabai Sawant College of Engineering and Research, Narhe, Pune, Alumni Association", on 29 February 2016. The registered Alumni association number is MAHA/343/2016/Pune. The TSSM's BSCOER Alumni association formed in the Institution to satisfy following financial and nonfinancial assistance to attain social values by individual or by group of students associated with Alumni association.

Non-financial activities: 1. Organizing industrial visits 2. Active role in bringing up MoUs. 3. Delivering academic lectures 4. Disseminating information on current and future trends in industries 5. Contribution in laboratory development 6. Participating in curriculum development 7. Extending help for campus interviews 8. Acting as brand ambassador of the institute 9. Facilitating sponsored projects for students 10. Facilitating internships for students 11. Sharing information about higher studies 12. Guidance for co-curricular and extra-curricular activities 13. Participation in social welfare activities.

Financial activities: 1. Alumni Membership of alumni association

2. Institutionalization of scholarships 3. Financial contribution towards development of academic facilities 4. Sponsoring required devices 5. Donating in kind, books, mementoes.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs) A. ? 5Lakhs

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

The institute achieve vision by adopting effective, efficient and contemporary practices. The achievement of vision through mission and objectives is put before the stake holders effectively making the roles and responsibilities of every stake holder clear. Decentralization and operational transparency are the features of the institute. Participative management gives boost to the institute's operation.

The institute has a perspective plan in accordance with its vision. By previous experiences, stakeholders' suggestions and the changing scenario in the field of engineering, the perspective plan has been designed by our institute which includes major objectives, such as ,accreditation by national and international bodies, introducing research centres, permanent affiliation, autonomy of the institute, establishing center of excellence and foreign collaborations for higher studies and student placement.

Institute understands that better management practices and better leadership, faculty members play a vital role in institutional achievements. The faculties are contributing in various decision making bodies of the institute, such as, College Development Committee (CDC), Internal Quality Assurance Cell (IQAC), Academic

Monitoring Cell (AMC), etc

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

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

The Institute believes that thrust of quality education which can be fulfilled through effective knowledge transformation relevant to the curriculum by introducing innovative and creative ways of teaching, The academic monitoring committee is formed to facilitate students with a wide range of student-focused support systems and learning environments that enable them to complete their academic activities successfully.

1.2 Objectives of AMC :

1. To restructure, review, and monitor the academic activities of the graduate programme
2. To ensure that the programme not only remains competitive, but also relevant to the present context so as to enhance the emerging and contemporary issues
3. To take consistent efforts to blend the industry expectation and academic curriculum
4. To introduce innovative and creative ways in imparting knowledge and skill sets to promote academic excellence
5. To ensure overall grooming of entrepreneurial and managerial skill sets of the students

1.3 Roles & Responsibilities:

1. The AMC thoroughly works on designing the educational process
2. It continuously reviews and monitors the process, keeping in view the emerging needs and expectations of the industry
3. The AMC continuously works on updating and restructuring the

innovative skill sets for promoting academic excellence.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

As per the perspective plan of the institute to enhance industry-institute interaction for improving academics, research and placement activity is important. The Industry Institute Interaction Cell (IIIC) is formed at the institute level which facilitates interaction between various organizations. IIIC has carried out online survey of various organizations to understand their scope of working, strength, and requirements. Accordingly, the requirements are consolidated and conveyed to the department. After deliberations and common consensus, decision about working on specific tasks were decided, that includes resource sharing, project reviews, sponsored projects, internships, training, and placement. Based on mutual convenience and need, one by one activity was implemented. The interaction of industry personnel with the students and faculty members helps to enrich the learning experience. Also, such interactions were helpful to depute the students in industries for internships which in turn, may provide placement to the students. Looking at the faculty engagement and their availability for employability skill enhancement, it was decided to have tie-up with industries in this domain. To cite the examples, Zensar ESD (Employability Skill Development) program and Barclay's Skill Development Program played vital role through MoU.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The organization chart of the institute is arranged in hierarchical structure. Where the top most authority is Governing body who takes the major decisions based on the requirements for the benefit of institute. The College Development Committee (CDC) executes the decision at institute level with the help of principal and other faculty members. All the decisions are carried in participative environment. The college has various cells for all the activities to be carried out. The cells are working in consultation with Internal Quality Assurance Cell (IQAC). Other cells of institute like Academic Monitoring Cell (AMC), Institute Research Cell (IRC), Industry Institute Interaction Cell (IIIC), Entrepreneurship Development Cell (EDC), examination cell, anti-ragging cell, alumni cell, National Social Service Cell (NSS), grievance redressal cell etc. which are functioning at institute level. Heads of the departments work in coordination with the AMC cell and with the help of teaching and nonteaching staff, the tasks are executed. IRC head arranges various programs for research activities in the institute. Office administration is done through office superintendent. The employees are benefitted with staff welfare schemes. Decentralization and participative management are achieved by this type of hierarchical structure.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://tssm.edu.in/iqac/aqar-2021-22/6.2.2.pdf
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	No File Uploaded
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

Following is the list of Welfare Schemes available in our institute:

- **Provident Fund Facility for Staff**
- **Medical facility for Staff**
- **Provision for supporting higher studies at institute of national importance**
- **Free trainings facility to staff**
- **100% revenue generated out of consultancy is distributed amongst the concerned team**
- **Institute bears 100% of patent filing fees in case of joint patent with institute**
- **Provision to finance deserving activities of the faculty members**
- **Financing professional memberships of any one professional chapter**
- **Financing the faculty membership who act as faculty advisor of student chapters**

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

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

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

3

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

14

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
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

51

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	No File Uploaded
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

Performance appraisal system is implemented as per the guidelines of UGC where all the aspects required to evaluate faculty performance like Teaching learning, co-curricular, extra-curricular activities, research component are incorporated appropriately. Recently, the Academic Performance Index (API) is introduced online. Based on API, institute decides corresponding line of action like, rewards, recognition, training to the faculty members in identified domain or the notices for improvement. The faculty got the direction to work with target. They are on their own seek guidance and training to fulfill their tasks. By the end of the year, faculty members are supposed to fill the API and provide the proofs for their claims. These claims are verified by the HOD. Further, these evaluation are evaluated by the Principal and the remarks are given for management consideration.

Similar online performance appraisal system is existed to evaluate the performance of non-teaching staff. Their performance is evaluated against their defined portfolio. The staff provides the data online, is verified by the concerned superior. The superior provides the remarks. Finally, the performance of is evaluated by the Principal.

Thus system of online performance evaluation provides effectiveness and transparency in the process.

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

6.4 - Financial Management and Resource Mobilization

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

Institution believes that it has effective and robust in-house mechanism for financial audit. However, like to have opinion of third party too. Till date institutional financial audit is carried out by Chartered Accountant (CA) by Corporate Office.

The observations and comments of CA are taken into considerations and implemented immediately. Similarly financial assistance and remuneration received from SPPU is separately audited by external CA and audited balance sheet is submitted to SPPU for the approval.

The funds received from non-governmental organization (Consultancy, Resource sharing) is separately deposited and utilized for said activity. This account is separately audited and report is submitted to respective non-government organization for information.

All the departments having departmental association where students contribute for department specific co-curricular and extra-curricular activities. This account is also audited and audited balance sheet is displayed on notice board for information of all students.

Funds received from reservation are required to distribute all the students in their account. This account is also verified and audited by government regularly.

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)

0.1405

File Description	Documents
Annual statements of accounts	View File
Any additional information	No File Uploaded
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

Apart from the funds received by the institute through fees collection, funds are mobilized as per the policy defined by the institute as follows:

- 1. Fund mobilization for co-curricular and extra-curricular activities through university schemes.**
- 2. Fund mobilization for student projects and student oriented mega activities through corporate CSR schemes and sponsorships from private and public organizations.**
- 3. Fund mobilization to support needy students through university schemes like "Earn and Learn", donations by philanthropists, scholarships and free ships from government schemes and NGOs.**
- 4. Financial contribution of alumni for institutional development**

Forthcoming part highlights the procedure adopted for fund mobilization and utilization.

- 1. The concerned individual/section/department of the institute raises the fund requirement beyond the allocated budget due to additional, un-planned/urgent activity.**
- 2. The demand is noted by the Principal and is forwarded to Fund Mobilization Committee (FMC) which scrutinizes the requirements and prepares the proposal for submission to**

appropriate agencies.

3. On receiving the funds, as per the directives of the funding agency, the funds are handed over to the seeker and its utilization is monitored closely.
4. The fund utilization also gets audited in institutional audit.

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

6.5 - Internal Quality Assurance System

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

The best practices institutionalized as a result of IQAC initiatives are elaborated below:

1. **Laboratory Preparation:** IQAC has recommended to implement a scheme called "Laboratory Preparation". This scheme would ensure correct functioning of all the instruments and setups, availability of standard results of the experiments validated by the corresponding faculty members, availability of required setup as per curriculum fulfilling the need of pre-requisite and gaps, if any. Also, the scheme demands to have the operational procedures displayed near setups/along with setups so that it becomes guide for the students for conducting the experiments on their own. This will provide opportunity to the students to conduct the experiments of his choice under supervision of faculty.

Faculty Development Program: The quality of training imparted depends on the skill and competency of the faculty members. The faculty members must be aware of contemporary requirements. However, the schedule of the institute and the university related work makes faculty schedule very tight. Taking into account these two factors, IQAC has recommended to impart training to the faculty members at institute itself rather than deputing individual or few faculty members at other locations.

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

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

Taking into account the need of society and learner, Internal Quality Assurance Cell has decided to bring-in reforms in teaching learning process. Following are the cases:

Enhancement of course file: The effectiveness of teaching-learning process is contributed by faculty preparation for the given set of students. IQAC has recommended developing enhanced course file accommodating learning requirement of diversified students. While developing the course file, it should address the need of self-learning of the students, need of the students with read and write style, observe and learn, and experience and learn. The items like, tier assignments, work book, case studies, video links, reflect coverage of all categories of teaching and learning tools. The important part of the course file is teaching learning plans, assessment methodology and tool being adopted by the faculty members.

Use of interactive digital teaching learning material: As per the recommendation of IQAC, institute has decided to switch over from traditional teaching learning process to student centric system. The major challenge to make this teaching learning material available was staff training to develop the corresponding material. Also, the required infrastructure for developing such material is made available at the institute this includes hardware, like, high end multimedia PCs, softwares like, ..Raptivity, high end DSLR cameras. By using this of developed infrastructure, training is imparted and the support extended, faculty members have designed and developed excellent highly interactive teaching learning material.

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

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

C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The Institute has recognized the distinct aspects of education from gender perspective namely understanding gender education and its outreach and means/methods of sensitization and spreading awareness regarding gender rights, equity and equality, to build moral value based education system that inculcates right ethics and morals based on righteousness of conduct and sense of responsibility of every action. In case of emergency Institute has its own independent Ambulance Facility in the campus.

The institute is having separate boys and girls hostel in the premises for which hostel rectors are responsible for ensuring

safety and security of the students. To monitor in time and out timeseparate biometric attendance machine is installed on the gate which communicate the status on their parents mobile. Girls have to take the permission on gate pass from rector to go outside more than scheduled time. Ladies and gents security guards are working 24X7.

Institute campus including main gate, corridors, examination section, and entry of all buildings, canteen, library and hostels are monitored by CCTV cameras.

Common Room: As per the AICTE norms institute is having separate girl's common room, and boy's common room. Incase of medical emergency separate sick room is available along with all necessary facilities.

File Description	Documents
Annual gender sensitization action plan	https://tssm.edu.in/iqac/aqar-2021-22/7.1.1-plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://tssm.edu.in/iqac/aqar-2021-22/7.1.1-facilities.pdf

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

A. 4 or All of the above

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

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

Solid Waste:

Institute is having contract with external agency for solid waste disposal. Remaining solid waste is collected in common pit for environment friendly disposal. Biogas plant is installed in the institute for canteen (kitchen) solid waste management. Institute takes initiative to segregate solid waste into different buckets viz. plastic pens, refills, water bottles, natural waste, stationary papers.

Liquid Waste:

There is no hazardous liquid waste generated in the institute. Used oils/coolant in workshop and different departmental machines are collected and disposed off separately.

Sewage Treatment Plant (STP) of 500kLD is available in the campus and recycled water is use for gardening purpose. Also hard water generated from water treatment (RO) plant is used for gardening purpose.

E-waste Management:

Electronic and computer accessories which are write-off by respective department sold to licensed vendor. Efforts are taken to ensure national e-waste policy implemented by vendor during write off.

The non-working computer spare parts, electronic scrap components and other nonworking equipments are used for display purpose in order to explain configuration/inside view to the students which they used to study in their theory lectures.

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

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	View File

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

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

B. Any 3 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
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

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

We believe in unity in diversity that's why our students respect the different religion, language and culture. We greet and wish each other at different festivals and invite them to have a feast to get introduced with ones culture to have amicable relations and to maintain the religious, social and communal harmony. Similarly

our students also celebrate the different festivals with joy and enthusiasm which help them to implant the social and religious harmony. The diversity in India is unique. Being a large country with large population. India presents endless varieties of physical features and cultural patterns. It is the land of many languages it is only in India people professes all the major religions of the world. To represent our Indian culture, on the eve of our college annual gathering we organize a traditional dress competition and fashion show. In this competition students wore the different attire representing the different states, religions and cultures. Through this activity students get acquainted with the different culture of our nation and help to develop the tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. This also creates the inclusive environment in the college and society.

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	No File Uploaded

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

Our institution takes all possible initiatives in organizing various events and program for molding the students and staff to become responsible citizens of the country by sensitizing them to the constitution of the country. The college encourages the students to take part in blood donation camps, study tours for them that make them understand the importance of protecting the cultural heritage of the country. Singing of national anthem in the campus to bring a feeling of patriotism among all is practiced. The students also being the responsible citizens take many community services and provide services to mankind and society. The students have taken up many cleanliness drives inside the campus and nearby villages. The students have also taken up Plantation drives to provide a clean and green environment for all. Swachh Bharat Abhiyan has also been an important initiative taken up by the college where we have organized an awareness rally for the students and took a tour in entire town to create awareness among all. Republic day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence Day is also celebrated to highlight the

struggle of freedom and the importance of Indian constitution.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://tssm.edu.in/igac/aqar-2021-22/7.1.9-values.pdf
Any other relevant information	Nil

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

A. All of the above

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

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

Republic Day and Independence Day: Every year institute celebrates Republic Day and Independence Day. We dedicate these days to all those brave leaders and freedom fighters who gave freedom to our country. The program starts with Flag Hosting followed by National Anthem.

Mahatma Gandhi Jayanti: Mahatma Gandhi is referred to as National

Father who devoted his whole life preaching Truth and following Ahimsa. The NSS volunteer organizes the mass pledge in institute in accordance with the Prime Minister's urge for 'Swaachh Bharat Abhiyaan'.

Shiv Jayanti: Institute celebrates Shivaji Maharaj Jayanti every year to commemorate our respect towards Maharaj and to encourage the students about the sacrifice for nation & the management policies used in that era.

Ganesh Chaturthi: Our institute celebrates Ganesh Chaturthi for the duration of five days with full fervour. The visarjan is magnificent with students dancing on beats of dhol-tasha pathak and walking towards to immerse the figurines.

Along with this institute used to organized programs on the birth/death anniversaries of great indian personalities like Dr. B R. Ambedkar the writer of Constitution of India, Sir Vishveshwarayya an eminent engineer, on Engineer's Day, etc. and national festivals like Dasara, Diwali, etc.

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.

Title of the practice - 1:Multilevel Monitoring of Students

Objectives:

To monitor and provide support for improving academic performance

To nurture the conducive environment for their multidimensional development by providing relevant guidance

To mentor the students for their behavioral, professional and

personality development

To improve interpersonal connectedness with teachers and peers

To enlighten the students on professional ethics and social awareness

To provide emotional support to individuals in consultation with the parent

Title of the practice - 2:In-house Development of Digital Teaching Learning Resources

Objectives

The major objective of the practice is to develop digital teaching-learning resources and provide an open platform to make those available through the use of ICT enabled technologies.

To provide a platform for knowledge transformation and live interaction with experts through video conferencing facility

To inculcate habit of independent learning amongst the students through the use of self-learning laboratory

To provide experience of learning rather than reading from books by referring exclusively recorded video sessions prepared by faculty members.

To provide easy interface of the developed digital resources through QR codes

The details about these best practices are available at:<https://tssm.edu.in/storage/Menu/NAAC/16/26/16476156897.2.1%20Best%20Practices.pdf>

File Description	Documents
Best practices in the Institutional website	https://tssm.edu.in/storage/Menu/NAAC/16/26/16476156897.2.1%20Best%20Practices.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

The institute has established Professional Skill Development Center (PSDC) which identifies the industry with requirement on specific skillset. PSDC then prepares MoU between institute and the industry. The institute and industry involve their experts to train the graduating students on specific skillsets required by industry. Institute has affiliated with international certifying organizations based on training skills.

Institute had signed MOU on 28/07/2021 between Synergy solutions Pune, for enhancing the quality of technical education being imparted to engineering students at the institute. The purpose of signing MOU is to enrich the quality of education in new subject area of skill development programs for electrical vehicles, EV charging technology as well as learning and teaching process of the same.

Synergy Solution will permit to:

1. Conduct guest lecture, workshop, national and international competitions, conference and other various activities to bring out the best students.
2. Allow faculty training programs on newly developing technologies to increase quality of class education.
3. To prepare students for professional industry approach by providing technical as well as soft skill to students.
4. To align industrial requirement with college curriculum.
5. Provide research projects.
6. Share industry oriented courseware and technology and organize joint programs between industry and academician.

Institute will help in:

1. Organizing campus interview and events for student welfare.
2. Support for career counseling sessions.
3. Prepare students for job opportunities and are marked between training and placement cell.
4. Technical support for any program that has been held in institute

MOU will stand valid for 5 years

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

The current year presented the challenge of motivating students to convert to physical academics from digital mode. Therefore, in the coming academic year, it is proposed to follow a blended mode for teaching learning with increased focus on physical academic activities. Our multilevel monitoring system via GFM will play a vital role in this scenario. The New Education policy emphasizes on interdisciplinary approach and skill based education. Accordingly, the SPPU has taken the cognizance of it and implemented the same while revising the syllabi of existing courses. In continuation to this faculty members are motivated to complete related NPTEL/MOOC/ATAL courses to keep pace with the changing technologies. Under this policy, many faculty members have completed NPTEL courses of their choice. Considering the necessity of skill based training, it is decided to develop in-house facilities. For example, a new laboratory devoted to Electric Vehicles and Charging Infrastructure is developed in collaboration with industry. This has created in-house internship opportunities for students. Faculty member with PG degree are motivated to register for PhD. Faculty and students are motivated to contribute toward research and development through funded projects leading to high quality publications, products, patents and start-ups. Furthermore, faculty members are motivated to approach various agencies for laboratory development.