



## YEARLY STATUS REPORT - 2021-2022

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>	AISSMS'S INSTITUTE OF INFORMATION TECHNOLOGY, PUNE
• Name of the Head of the institution	Dr. PRADEEP B. MANE
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02026058877
• Mobile no	9420918444
• Registered e-mail	principal@aissmsioit.org
• Alternate e-mail	pbdmane6829@gmail.com
• Address	1 Kennedy Road near RTO
• City/Town	Pune
• State/UT	Maharashtra
• Pin Code	411001
<b>2.Institutional status</b>	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	<b>Self-financing</b>				
• Name of the Affiliating University	<b>Savitribai Phule Pune University</b>				
• Name of the IQAC Coordinator	<b>Dr. Mousami Vanjale</b>				
• Phone No.	<b>9423872768</b>				
• Alternate phone No.	<b>02026057983</b>				
• Mobile	<b>9423872768</b>				
• IQAC e-mail address	<b>iqac@aissmsioit.org</b>				
• Alternate Email address	<b>mousami.vanjale@aissmsioit.org</b>				
<b>3. Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://aissmsioit.org/wp-content/uploads/2023/01/AQAR-2020-21-Accepted.pdf">https://aissmsioit.org/wp-content/uploads/2023/01/AQAR-2020-21-Accepted.pdf</a>				
<b>4. Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://aissmsioit.org/wp-content/uploads/2021/10/22-october-for-website.pdf">https://aissmsioit.org/wp-content/uploads/2021/10/22-october-for-website.pdf</a>				
<b>5. Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.09</b>	<b>2016</b>	<b>29/03/2016</b>	<b>28/03/2021</b>
<b>Cycle 2</b>	<b>A+</b>	<b>3.40</b>	<b>2021</b>	<b>03/11/2021</b>	<b>02/11/2026</b>
<b>6. Date of Establishment of IQAC</b>			<b>01/06/2011</b>		
<b>7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Yogesh Patil	AICTESPICES: Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES)	AICTE	2019 3 year	846000
<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>		<b>Yes</b>		
<ul style="list-style-type: none"> <li>Upload latest notification of formation of IQAC</li> </ul>		<a href="#">View File</a>		
<b>9. No. of IQAC meetings held during the year</b>		<b>4</b>		
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>		<b>Yes</b>		
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>		No File Uploaded		
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>		<b>No</b>		
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>				
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>				
Applied for second cycle of NAAC. Received A++ with a CGPA of 3.40.				
Inaugurated 3 State of the art industry supported laboratories - 1. D. M. Tagare Power Quality Experience Center 2. Emerson Center of Excellence 3. Forbes Marshall Center of Excellence"				
Applied for Autonomy status . Received Autonomy from the academic Year 2021-22				

Applied for NAAC Sponsored webinar/Seminar/conference. Received approval for conducting National Seminar (hybrid mode) on "Understanding of key indicators and metrics for preparation of DVV and documents for submission of SSR of Autonomous institutes"

Applied for NBA Accreditation of 5 branches. Received 3 years accreditation for 5 branches - Instrumentation Engineering, Computer Engineerg, Information Technology, Elelectronics and Telecommunication Engineering and Electrical Engineering.

**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
To apply for cycle 2 of NAAC	NAAC PTV was completed on 29th & 30th October and institute received A+ grade with CGPA of 3.40
To apply and conduct NAAC sponsored events	Applied for NAAC Sponsored webinar/Seminar/conference. Received approval for conducting National Seminar (hybrid mode) on
To apply and get NBA Accreditation of 5 programs	Applied for NBA Accreditation of 5 branches. Received 3 years accreditation for 5 branches - Instrumentation Engineering, Computer Engineering, Information Technology, Electronics and Telecommunication Engineering and Electrical Engineering.
To revise Vision and Mission	First draft of revision of Vision and Mission of institute to make it align with autonomy and new age requirements is completed
To organize Fourth IEEE International Conference on Emerging Smart Computing and Informatics (ESCI- 2022)	Successfully organized 4th International conference on Emerging Smart Computing & Informatics (ESCI 2021)
To participate in NIRF ranking	Applied for NIRF and other Rankings
To establish National Education Policy (NEP) Cell	Established National Education Policy (NEP) Cell as per the requirements of AICTE and UGC.
<b>13. Whether the AQAR was placed before statutory body?</b>	Yes
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name	Date of meeting(s)
College Development Committee (CDC) and Governing Body (GB)	18/01/2023

**14. Whether institutional data submitted to AISHE**

Year	Date of Submission
2021-22	19/01/2023

**15. Multidisciplinary / interdisciplinary**

Multidisciplinary courses in the form of open electives have been offered by all the UG programs in the curriculum of autonomy to be implemented from A.Y. 2022-23 onwards. Following table gives the list of Multidisciplinary courses:

Sr. No.	Department	Class	Name(s) of Multidisciplinary/open elective courses
	Instrumentation Engineering	SE	Control system Instrumentation and process control in food industry
		TE	Biomedical signal processing Optical fiber sensors
		BE	Industrial safety Engineering Digital Control
	Information Technology	SE	Human computer Interaction Business Analytics & Intelligence
		TE	Cryptography Object-Oriented Analysis and Design
		BE	Organizational Behavior Computer Vision
	Computer Engineering	SE	1. The joy of computing using Python 2. Programming in JAVA
		TE	Data Science Robotics Process Automation - I Data Mining and Data warehousing

			Data Analytics using Power BI and Tableau	
			Robotics Process Automation - II	
			Information Retrieval System	
		BE	Object Oriented Modeling & designing	
			Natural language Processing	
			Digital forensic and its tools	
			Software Testing & Quality	
			Data Mining and Data warehousing	
	Artificial Intelligence and Data Science	SE	Digital Forensics	
			Mobile Phone Forensics	
		TE	User Interface and User Experience	
			Evolutionary Computation	
		BE	Principle of Optimization	
	E&TC Engineering	SE	Open-source software: Kicad/Fritzing/ Zenith PCB	
			Open-source software (Open CV/ Scilab)	
		TE	Internet of Things	
			Embedded systems and RTOS	
		BE	Network Security and Management	
			Entrepreneurship/Research Project	
	Electrical Engineering	SE	Electrical Safety	
			Solar PV Systems	
		TE	Energy Audit and Management	
			Electric Vehicle	
		BE	Energy Storage Devices	
			Smart Grid	

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

ABCs are digital repositories of student credits that can be

transferred between institutions. This will allow students to move more easily between different institutions and programs. All the students of the institute are in the process of registering for ABCs. Institute has made a provision for transfer of credits earned through certification of NPTEL/SWAYAM /MOOCs.

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

To enhance employability of the students', institute takes efforts to bridge the gap between curriculum and industry requirements. The Institute not only ensures that 100% syllabus is taught to students but also lays emphasis on delivering content beyond syllabus. In addition, seminars/workshops,/industry/field visits/industry talk, add on

courses, hands on training, projects and internships under the MoUs signed with leading industries to help students know the current trends/practices in industry.

Institute takes initiatives in capacity building and skills enhancement such as soft skills/language and communication skills/life skills and ICT/computing skills to achieve holistic development of the students and inculcate professionalism.

The Training & Placement Cell of the Institute provides career guidance and organizes campus recruitment drives. It prepares the students for placement activities through various initiatives such as online assessment tests and Campus to Corporate Readiness Program. It has 4 levels starting from first to final year. It covers all the required skills such as aptitude, communication skills, personality development, resume writing, group discussion etc.

The study circle of institute arranges special coaching for students aspiring for competitive examinations. The Development of Entrepreneurial skills is encouraged through various entrepreneurship development activities carried by the Innovations, Incubation - Entrepreneurship Development Cell (IIEDC).

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

In autonomy curriculum institute has iproposed to includ a course on "Vedic Mathematics" to help students solve mathematical calculations in faster way using Techniques/Sutras in Vedic Mathematics.

Institute has started various clubs such as Yoga Club, Sport Club, Literary Club, Kalakari Club, Film Club and Tourism Club to create awareness about Indian anguage/culture/history/literature etc.

To ensure the overall development of students the institute regularly conducts co-curricular/extracurricular activities. The institute organizes Alacrity - a national level Techfest every year. Students also participate in state level drama competition like "Purushottam" and "Firodiya Karandak". The departments also organize various co/extracurricular activities to provide a platform to identify the talents of new entrants.

Apart from technical internal examination, credits are given to students for their participation and achievements in technical/nontechnical/cultural/sports activities.

To celebrate multilingualism and cultural diversity as well as to promote equal use of all national languages, Marathi Diwas and Hindi Bhasha Diwas are celebrated. The aim of this celebration is to make students aware about the history/culture and achievements associated with the language. The day often features book-reading events, quizzes, poetry and literature exchanges, and other activities that promote the language. The annual magazine of institute, "Aayam" contains articles in different languages.

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

Institute follows Outcome based education (OBE) in all its processes starting from defining of vision and mission of the institute and departments till assessment of program and course outcomes.

Program Outcomes (POs) are based on the graduate attributes prescribed by National Board of Accreditation, and they are uniform for all the programs. While the Program Specific Outcomes (PSOs) as defined by the Program, and they are based on the branch or program specific skills. The institute has clearly defined the course outcomes (COs) for all courses which are mapped to the POs and PSOs.

Efforts are taken by the institution to disseminate the vision, mission, objectives, and outcomes among the stakeholders.

To ensure correct assessment of COs, POs and PSOs, question papers are set as per the learning levels of Bloom's Taxonomy and questions are mapped with COs, POs and PSOs. The institution follows a well-defined process for attainment of Course Outcomes and Program Outcomes. Various assessment tools and marks scored by the students in these assessments are used for calculation of attainment of Course Outcomes. Based on the results of the assessment, the corrective/remedial action are taken to improve the learning outcomes for the students of next assessment or next time the course

is offered.

Attainment of PO-PSO is done using direct and indirect tools respectively. Regular feedback is collected from the stakeholders to achieve the POs and PSOs.

Direct attainment of PO-PSO is based on the CO attainment of each course. While indirect attainment of PO-PSO is based on the feedback/survey forms from various stakeholders and co/extracurricular activities. Analysis of attainment values of PO-PSO is done to observe the areas of improvement and actions are planned accordingly.

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

Institute has classrooms and seminar halls with equipped with audio-video system and ICT tools like LCD projector, internet connectivity. This makes it capable of supporting online education. Institute has licensed MS Teams software for conduction of online classes and meetings. Servers are available for smooth conduction of various activities such as online examinations, webinars, online workshops, virtual lab, hosting proprietary software etc.

100% of the teachers use ICT tools to help students to improve academic performance and employability skills. To support students' remote learning, almost 2000+ videos prepared by the teachers are shared through institute's YouTube channel. The resource material is shared through Learning Management Systems like Google classroom, and MS teams etc.

The curriculum provides choice-based credit system. Students can opt for the interdisciplinary open elective courses/MOOCs from second year onwards.

Students are encouraged to complete certification of online courses through NPTEL, SWAYAM, COURSERA, Udemy, Spoken Tutorial etc.

### **Extended Profile**

#### **1.Programme**

1.1 366

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

File Description	Documents
Data Template	<a href="#">View File</a>

**2.Student**

2.1 **2592**

Number of students during the year

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

2.2 **244**

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

File Description	Documents
Data Template	<a href="#">View File</a>

2.3 **622**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**3.Academic**

3.1 **121**

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2 **117**

Number of sanctioned posts during the year

## Extended Profile

### 1. Programme

1.1	<b>366</b>
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 2. Student

2.1	<b>2592</b>
Number of students during the year	

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

2.2	<b>244</b>
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.3	<b>622</b>
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 3. Academic

3.1	<b>121</b>
Number of full time teachers during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

3.2	117
Number of sanctioned posts during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

<b>4.Institution</b>	
4.1	32
Total number of Classrooms and Seminar halls	
4.2	159.22
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	834
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

The detailed process is stated below:

1. **Planning for the Term:** All the departments prepare academic calendar in line with the academic calendar prescribed by the University which consist of all technical and nontechnical activities in detail.
2. **Finalising of faculty member for each subject and Electives to be included in next semester :** Before the end of the term, each faculty member submits his/her subject preferences to the Head of Department (HOD). Likewise, the electives are floated to the students to decide their choice to finalise and plan in advance.
3. **Preparation by each faculty member:** Once the subject is allotted to the faculty member, they prepare teaching plan, course file and lab manual as per the departmental academic planner.
4. **Academic Monitoring Committee:** A Guardian Faculty Member

(GFM) is appointed for each class to monitor day to day conduction of time table, attendance and academic planner. HOD takes feedback of the faculty member twice in a semester from students.

5. Resource Planning: Yearly budget is prepared based on consumables and equipment and submitted to "Purchase Committee".
6. Selection process of final year projects: Project coordinator is assigned to final year students .The students are encouraged to get company/college sponsored projects with innovative idea.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://naac2021cycle2.aissmsioit.org/AOAR%202021-22/Criterion1/1.1.1.pdf">https://naac2021cycle2.aissmsioit.org/AOAR%202021-22/Criterion1/1.1.1.pdf</a>

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

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

AISSMS IOIT is affiliated to SPPU, Pune and thus follows the examination pattern of University. Institute first prepares annual academic planner before the commencement and then it is circulated to all departments. Department Coordinator of Academic Planner takes the responsibility to complete the department planner in association with all the staff members.

Internal Evaluation is carried out with respect to following points.

- Class test is arranged after the completion of every units. Test papers are evaluated by respective staff members and if the student scored below the threshold, students are asked to the task assigned by the teacher.
- Assignment is given after the completion of every unit. Staff does the evaluation based on timely submission and for the right answers.
- Mock orals are organised for subjects having practical or oral or term work as the head in order understand if the students knows the technical details.

- Mock practical examination is also organised after the completion of all practicals, in order to make students ready for practical examination.
- Mock project demo is organised for students at 3rd year and final year course.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion1/1.1.2.pdf">https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion1/1.1.2.pdf</a>

**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**

**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## **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**

**11**

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

### 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)

160

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

4912

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

Curriculum includes total 63 courses relevant to Professional Ethics, Human Values, Environment and Sustainability.

Apart from this Institute takes initiative to sensitize and inculcate values, rights, duties and responsibilities of citizens through activities mainly organized by National Service

Scheme(NSS), Student Development/Welfare Organization (SDO/SWO), Internal Complaints Committee (ICC), Staff/Student Grievancecommittee, SC/ST/OBC Reservation Committee, Committee for studentswith disabilities, Anti-ragging committee, Discipline Committee and department.

Institute takes consistent effort to inculcate values among students. Institute always put best towards overall development ofthe students by organizing expert lecture on "Universal HumanValues" in early days of their engineering education. First year students are engaged in the course "Ethics in Engineering Practices" whichhelps in the holistic development of the students.

NSS unit regularly organizes various activities and residentialcamp to sensitize students about social responsibility. It extends support through Unnat Bharat Abhiyan in which students carry outthe survey of socio economic problems of the rural areas. All departments organize social/techno-social visits to make studentsaware of responsibilities towards environment, persons withdisability, senior citizens and poor students by organizing socialvisits to old age homes/schools for blind/orphanages, etc.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

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

40

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
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	<a href="#">View File</a>

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

2203

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

### 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

File Description	Documents
URL for stakeholder feedback report	<a href="https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion1/1.4.1.pdf">https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion1/1.4.1.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion1/1.4.2.pdf">https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion1/1.4.2.pdf</a>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of students admitted during the year</b>	
558	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>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)</b>	
<b>2.1.2.1 - Number of actual students admitted from the reserved categories during the year</b>	
244	
File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>
<b>2.2 - Catering to Student Diversity</b>	
2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners	
The Institute closely monitors students throughout their academic journey, with a focus on enhancing the performance of slower	

learners and providing mentoring academically talented ones to achieve higher goals. At the start of the first year, Psychometric test is taken to assess students' capabilities and interests, differentiating between advanced, average and slower learners. One to one counselling is provided to each student to address their specific academic and career needs, thereby fostering their personal and academic growth. Students are encouraged to summarize concepts through a 50:10 teaching module, enhancing confidence and communication skills. The institute provides ample opportunities for students to develop technical skills through workshops, seminars, and competitions. Special attention is given to slow learners through extra sessions, remedial classes, and tutorials.

#### Activities for Advanced learners:

- Student Association activities
- Project competition like Smart India Hackathon
- Participation in Seminars/Conferences/IIT events/Tech Fest
- Industrial training/Internship
- Encouragement to complete NPTEL Courses
- Industry sponsored/research project
- Industrial Visit
- Application of research papers in projects and Paper publication in National/international conference
- Mini Project/Model making/

#### Activities for Slow learners:

- Psychometric Test
- Remedial
- Mock practical sessions
- Tutorial
- One to one Counselling
- Personal Attention in teaching
- Assignments and solving University question papers
- Theory Question bank/Oral Question Bank

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

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

Number of Students	Number of Teachers
2592	121

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

### 2.3 - Teaching- Learning Process

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

Institute is taking significant efforts to motivate students for the self-learning and enhance their learning experience. The focus is on knowledge transfer and learning through active participation and involvement. The platform is provided to explore independently, learn through self-study, from their peers, guides them to develop effective and lifelong skills.

Methodologies used to motivate students:

1) Active learning:

The students are involved in the activities; Brain storming, quiz, debate, group discussions, role play, games, model making, mini projects, presentations, essay, elocutions, case studies on technical content.

2) Collaborative Learning: The group/team of students work jointly to provide solution for complicated problems/task/project.

3) Inquiry-based Learning: Students are informed to make use of resources beyond the classroom for investigation of questions/problems. It improves their critical thinking and increasing understanding levels.

4) Problem based Learning: The students are engaged in complex, challenging problems by assigning them different tasks/assignments/activities. They obtain the solutions by using inter-disciplinary knowledge.

5) Peer Learning: Students are engaged in intellectual discussions and work in team for solving difficult task/problems under the guidance of a peer leader.

6) Experiential learning: Field based experiential learning like

Internship and class based experiential learning like role plays, games, virtual lab, presentations are practiced.

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

Innovations should be included in teaching learning process to make it more attractive for students. Teachers are realizing this need and are innovating various tools and techniques in teaching-learning process to deliver the contents/ knowledge. It helps the students to grasp the ideas quickly and increase their active participation. Faculties are attending various FDP for domain knowledge and for new trends in education technology which make teaching more innovative. Following are the various tools and techniques used by faculty and institute for innovative teaching:

1) ICT based teaching-learning (Moodle)

2) Exposure of faculty to industry- Industrial Training for faculty

- Interaction of faculty with company guide of student during full semester internship

- Sponsored projects

- Faculty industry visits

6) Proactive teaching methods (group discussions, role play etc.)

7) Project based teaching-learning

The teaching-learning process helps students in finding creative solutions of complex problems, in learning new concepts and in developing fruitful products and applications. The institute is providing different opportunities like;

- Research oriented/Sponsored/Mini projects
- Industry- Institute Interaction:

Industry Institute meets

MOUs

Industrial /Field visits

Departmental Advisory Board

- New product design:

Entrepreneur Cell

Incubation Center

Expert lectures

- Membership of Professional Bodies:

IE(I), CSI, etc

- Visits /Participation:

Conferences/ Exhibitions

Seminars/Workshops

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

**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**

**118**

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

121

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

### 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

26

File Description	Documents
Any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

### 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

1182

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 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 follows all the evaluation reforms as prescribed by university. The Institute has appointed College Examination Officer. The Examination Committee is headed by Principal, assisted by CEO and senior faculty members from each department. University has introduced the model of in-semester examination for First year to Final Year and Master of Engineering courses. First semester In-semester examinations were conducted in online mode as per directives. Credit system has been introduced for the UG and PG Programs. The reforms initiated by the Institute are as follows: As a regular practice institute conducts unit test examination, mock practical/oral examinations, FE prelims. To support the above reforms, the institute appoints examiners for the conduction of various examinations. The examination pattern marking scheme and term work assessment scheme are communicated to the students at the beginning of the semester. The policy for internal assessment is as follows: In the internal assessment, weightage is given to the attendance in theory and practical sessions, understanding, presentation skills, timely submissions of journal, write-ups and assignments, performance in tests and tutorials, independent learning through projects and presentations, communication skill and oral examinations. The unit test and marking scheme is discussed by the faculty with the students.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

The institute has adopted the following mechanisms for redressing the grievances of the students with reference to evaluation both at the college and University level

**Institute level grievance Redressal:-** 1. If any grievance is raised by a student, then it is reported to Head of the Department, and it will be solved amicably after discussion with concerned faculty. 2. The concerned faculty discusses the marking scheme and model answers with the students and helps them to solve their queries. 3. If grievance is not addressable at the department level then the matter is forwarded to the Principal for further action.

**University level grievance Redressal:-** 1. The institute's Chief examination officer (CEO) and examination section redress University evaluation grievances. 2. They forward these grievances to the University for redressing them. Under the University evaluation redressal system students can apply for photocopy, verification, and revaluation. 3. After revaluation at the University level, results are communicated to the Institute. 4. Institute communicates the same to the concerned students.

File Description	Documents
Any additional information	<a href="#">View File</a>
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.

Program Outcomes (POs) are based on the graduate attributes prescribed by National Board of Accreditation and they are uniform for all the programs. While the Program Specific Outcomes (PSOs) are defined by the Program and they are based on the branch or program specific skills. The institute has clearly defined the course outcomes (COs) which are mapped to the POs and PSOs.

1. The vision and mission statements of the programs and institute are displayed on the institute website and at various key positions in the institute building.

2. POs are printed in institute brochure and newsletter and published on the institute's website.

3. The vision, mission and POs are conveyed to the students during students orientation program conducted at the start of each year. 4. Vision, Mission and POs are discussed during parents meet organized by the department once per semester.

5. Every faculty member discusses vision, mission, POs, PSOs and COs at the start of course work in every semester.

6. Head of Department (HoD) discusses vision, mission, PEOs, POs and PSOs with the faculty members in departmental meeting. 7. Vision, mission, PEOs, POs and PSOs of the department are discussed when the alumni visit to institute and during alumni meet conducted once per year.

8. HoD and faculty members discuss vision, mission, PEOs, POs and PSOs with industry experts who visit to the department for conducting seminars, workshops, expert lectures etc.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://aissmsioit.org/instrumentation/vision-mission/">https://aissmsioit.org/instrumentation/vision-mission/</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

**CO attainment:** is done using internal (assignments, unit tests, quiz, presentations) and external (theory, practical, oral and term work) assessment tools with weightages as 20% and 80% respectively. 1. Marks of students in all the assessment tools are entered. 2. Average percentage marks of previous years' examinations are set as target. 3. The number of students scoring marks more than target are counted, converted into percentage and converted into attainment level. 4. Average of all the attainments is calculated. 5. 20% of internal attainment and 80% of external attainment are added to calculate CO attainment.

**Attainment of POs and PSOs:** is done using direct (CO attainment of all courses) and indirect (feedbacks from stakeholders) assessment tools with weightages as 80% and 20% respectively. A. by direct tool 1. Matrix of CO-PO-PSO and CO attainment values of all

2. Product of CO attainment of a course with level of mapping of course with PO/PSO is calculated. 3. Summation of all products and all levels of mappings is calculated. 4. Sum of products is divided by sum of all levels of mappings to calculate total attainment. B. by indirect tools 1. The feedbacks are collected and analyzed to calculate percentage response.

80% of direct and 20% of indirect attainment are added to calculate overall PO/PSO attainment.

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

613

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://aissmsioit.org/wp-content/uploads/2022/12/Annual-Report-2021-2022.pdf">https://aissmsioit.org/wp-content/uploads/2022/12/Annual-Report-2021-2022.pdf</a>

### 2.7 - Student Satisfaction Survey

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

<https://aissmsioit.org/wp-content/uploads/2024/04/Student-Satisfaction-Survey-2021-22.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)**

8.46

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

**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**

01

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

**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**

01

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://www.aicte-india.org/">https://www.aicte-india.org/</a>

### 3.2 - Innovation Ecosystem

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

#### Response:

The institution has successfully cultivated a thriving ecosystem for innovation, fostering an environment of creativity and knowledge exchange. Their commitment to nurturing innovation is evident through various dedicated cells, including the Research and Development (R&D) cell and the Incubation and Entrepreneurship Development (ED) cell. These cells serve as catalysts for students and faculty members to explore and advance their inventive ideas.

- The Entrepreneurship Development (ED) cell plays a pivotal role in instilling an entrepreneurial spirit among students. It conducts workshops, expert lectures, and orientation programs.
- This ecosystem also encourages students to address industry problems and develop tailor-made solutions. Innovative concepts are incubated within the institution
- In addition, the institution organizes workshops, seminars, and talks by industry experts to enhance research methodologies and promote intellectual property rights (IPR) awareness.

#### Outcomes:

The outcomes of this ecosystem are remarkable, with students achieving significant recognition at both national and regional levels.

1. Search-In LLP start-up incubated at AISSMS IOIT awarded for winning the I-2-e Competition 2022 cash prize of Rs 1 Lakh organized by SPPU, Pune
2. AISSMS IOIT received 3-star rating by the Institution's Innovation Council (IIC), MOE Innovation Cell, Government of India

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

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

07

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**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**

03

File Description	Documents
URL to the research page on HEI website	<a href="https://aissmsioit.org/research/">https://aissmsioit.org/research/</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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**

15

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

### 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

28

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 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

#### Response:

Extension activities in the neighborhood community play a pivotal role in fostering the holistic development of students. These initiatives go beyond the confines of the classroom, extending into the local community to sensitize students to pressing social issues and engage them in transformative experiences.

Institute continuously organizes and participates in various extension activities with the objective to Sensitize students about various social issues and Contribute to community and strengthen it.

Extension activities serve as a bridge between the classroom and the real world, offering students opportunities for personal growth, social awareness, and civic responsibility. These activities not only enrich the educational experience but also nurture responsible, compassionate, and socially engaged individuals who are better prepared to make a positive impact in the world.

Institute organization various awareness programs/workshops/rallies/ voluntary activities with themes like Health awareness/cyber awareness/cleanliness/green environment/tree plantation/gender sensitization/traffic rule awareness/road safety awareness/save water/national swachh bharat abhiyan/blood donation camps/international yoga day/women

empowerment etc. are organized under NSS unit.

#### Impact & Sensitization:

The activities conducted imbibe the values of social responsibility such as:

- Developing a sense among students about attachment to the community.
- Developing capacity and skills to meet emergencies and natural disasters.

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

### 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

00

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	No File Uploaded
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

19

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

### 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

2107

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 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

18

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

#### 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

53

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

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

The institute has obligatory infrastructure required for effective teaching-learning (T-L) process, co-curricular and extra-curricular activities to fulfill the norms laid by the AICTE, DTE, SPPU.

Physical infrastructure consists of 31classrooms, 07 tutorial rooms,45 laboratories and 01 seminar hall.

Laboratories are equipped with state-of-the-art equipment's like UV-VIS Spectrophotometer, ECG Machine, PLC with control panel, DCS, Universal Process Control Trainer, Spectrum Analyzer, Logic Analyzer, Power Quality Analyzer, open source and latest proprietary software such as AUTOCAD, ETAP, SCADA, LabView, Xilinx, Microwind, Multisim.

Institute has center of excellence viz. Texas Innovation Lab., IEEE Affordable Agriculture Lab., DCS Delta-V Lab. by Emerson, Flow Lab. by Forbes Marshall, Oracle Academy Lab., Power Quality Cell, Rubiscape -Data Science and Artificial Intelligence.

Institute has Innovation and Entrepreneurship Development Cell (IIEDC) aims to promote the innovation and entrepreneurship culture.

Workshop consists of different facilities like CNC, VMC, Centre Lathe, Bench Grinder Machine, Turning Machine.

The institute has massive network of 834 Computers and 450Mbps bandwidth with Centralized firewall "Cyber-roam".

Enterprise Resource Planning (ERP) is deployed with 40+ modules for effective academic planning, execution, monitoring and analysis.

Central Library has latest software SLIM 21 for automation of library services with 200 seating capacity.

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

The All India Shri Shivaji Memorial Society has always encouraged and supported the co-curricular and extracurricular activities in its institutes. As part of this endeavor, the institute has a well-established Gymkhana Department and Art circle for effective coordination of various sports and cultural activities are headed by Physical Director, Cultural In-charge and students' sports and cultural committees respectively. Campus has a playground of 172160 sq. feet. Playground and necessary equipment for outdoor games like Cricket, Football, etc and Space, necessary equipment for indoor games like Table tennis, Chess, Carrom, etc. are available. Open air theatre and cultural room with latest musical instruments and practice area in place.

Our students actively participate in competitions at University, State and National level sports and cultural competitions. Prominent among them are- University Intercollegiate sports competition, Purushottam Karandak, Firodiya Karandak etc. The institute organizes following events every year:

- Annual Social gathering.
- National level inter-Collegiate Competition - 'ALACRITY'.
- State level Inter-Collegiate cricket tournament
- Inter- department technical, sports and cultural

competitions.

A separate budget is allocated by the institute for organization of sports and cultural activities. The Gymkhana office of institute organizes medical checkup for teachers and newly admitted students. Institute's ambulance/ vehicle is available for medical emergency.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://aissmsioit.org/facilities/">https://aissmsioit.org/facilities/</a>

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

32

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

#### 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)

98.11

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

Central library has 33,673 volumes, 5872 titles and subscriptions of 60 journals and 03 magazines. Integrated Library Management System is used to manage different functions of library. Central Library is using commercial software. Library is partially automated (year of automation 2012) with System for Library Information Management (SLIM21) software - version 21. Library collection can be browsed / searched on Intranet using the SLIM21 OPAC module. SLIM21 helps to catalogue books, e-books, articles, reports, serials, publications that contain information vital to the institute. This software has modules like Acquisition, Cataloguing, Circulation, Serial Control. SLIM21 software also provides statistical analysis required for Library Management systems such as weekly transitions, most issued items, less issued items, reference books, Books sent for binding. Previous university question papers are available on the college website under facilities tab. Institute library is also using Dspace open source software for institutional repository where BE project reports are made available.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://aissmsioit.org/central-library/">https://aissmsioit.org/central-library/</a>

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

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

#### 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)

10.28

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

#### 4.2.4 - 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

105

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

#### 4.3 - IT Infrastructure

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

The institute has strong IT infrastructure comprises of server room equipped with Dell Power Edge T430 Server and Dell Power server T30 ,massive network of 834 computers with 450 Mbps internet connectivity and Wi-Fi facility. For effective implementation of these, institution frequently updates its IT facilities . The

online examination are conducted through NetBoot and various local servers such as FTP,HTTP,SMTP, etc are configured based on request of stakeholders. Centralized firewall "Cyber-roam" is used for network monitoring, management and internet security. Three layer switching LAN is available for the entire campus. L3 Cisco (GIGABIT Switch) 48-port switch is present on each floor of the institute which are connected to the Main L3 Cisco 48-port switch. All the laboratories on each floor contains 24 port 10/100 L2 switch. All floors and computer laboratories are connected in Star topology and 450 Mbps bandwidth is shared in LAN.

Classrooms are equipped with Smart TV, LCD projectors and supported by audio visual systems. The entire campus is monitored by CCTV cameras.

The institute has a separate centralized maintenance system to support the IT infrastructure, campus facilities and equipment. Separate budget is allocated for upgradation of IT facilities.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://aissmsioit.org/wp-content/uploads/2023/10/Institutions-IT-Policy.pdf">https://aissmsioit.org/wp-content/uploads/2023/10/Institutions-IT-Policy.pdf</a>

#### 4.3.2 - Number of Computers

834

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

#### 4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

**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)**

68.91

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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.

The institute has established standard systems and procedures for utilizing and maintaining the physical, academic and support facilities through college level committees.

The institute regularly maintains the laboratory equipment. The laboratories are maintained by means of annual maintenance contract for computers, peripherals, networking, UPS etc. A history card is maintained for all the equipment. The minor maintenance is carried out by the laboratory assistants. In case of major maintenance of equipment, the concerned laboratory in-charge submits a maintenance request to the "Purchase Committee" through the HoD. The equipment maintenance work is assigned to an external agency through work order.

The central "Civil, Electrical Repair and Maintenance" committee looks after the maintenance of the institute's infrastructure including the class-rooms, laboratories, building etc. The Housekeeping Cell looks after the cleanliness of premises and monitors the work done by peons and sweepers. Daily cleaning of common areas and washrooms is done by an external agency. Pest control and sanitization of the entire building is done regularly by external agency. Maintenance of elevators, fire fighting system, EPABX, CCTV, AC, water tanks, water coolers, RO plant, DG set, garden etc. is done through AMC. External agency take care of

**campus security.**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://aissmsioit.org/maintenance-and-utilization/">https://aissmsioit.org/maintenance-and-utilization/</a>

**STUDENT SUPPORT AND PROGRESSION****5.1 - Student Support****5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year****5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

1765

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

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

7

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

**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	<a href="https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion5/5.1.3_Enhancement%20Scheme%202021-22.pdf">https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion5/5.1.3_Enhancement%20Scheme%202021-22.pdf</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

**437**

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

**437**

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

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

**A. All of the above**

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

## **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**

**437**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### **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**

**15**

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

**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**

13

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

**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.**

4

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

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 constitutes the Student Council by following the norms laid down by the University. The details of various academic and administrative committees under the Student Council are Cultural, Sports, NSS, Magazine, Departmental Student Associations. The events conducted by these committees are:

1.Students' Council: This is established every year under section 40 (3) of the Maharashtra Universities act, 1994, to perform prescribed duties.

2.Student Grievance: This committee addresses complaints lodged by any student and effectively resolves the grievances of students.

3.Anti-Ragging: This ensures zero ragging incidents in the institute and also spreads awareness among students against any type of ragging activities.

4.Cultural: This committee coordinates various cultural activities and events throughout the year. "Alacrity" is a national level fest which showcases the cultural talent of students.

5.Sport: This committee organizes various sport events at the local, state, national levels and interdepartmental .

6.Magazine: Students express their talent in the form of articles, poetry, interviews of eminent personalities, and so on in the annual magazine 'AAYAM'.

7.Technical Activities: Various technical events are conducted under student chapters associated with IEI, CSI, ISTE, and the

IEEE and departmental students' association.

8. IQAC - General secretary of Student Council is student representative in IQAC.

File Description	Documents
Paste link for additional information	<a href="https://naac2021cycle2.aissmsioit.org/AOAR%202021-22/Criterion5/5.3.2%20Various%20Bodies%202021-22.pdf">https://naac2021cycle2.aissmsioit.org/AOAR%202021-22/Criterion5/5.3.2 Various%20Bodies%202021-22.pdf</a>
Upload any additional information	<a href="#">View File</a>

**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**

12

File Description	Documents
Report of the event	<a href="#">View File</a>
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)	<a href="#">View File</a>

**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

The alumni association of the institute is registered in the academic year 2014-15 with the following objectives :

1. To encourage and nurture the interaction between Alumni and the institute benefited mutually to both.
2. To urge the Alumni to take an interest in the process and development of the institute.

3. To guide the Institute for professional development students, in higher education.
4. To organize and support recruitment activities for the institute's students.
5. To boost the students of the Institute and Alumni members for research & development work .
6. To mentor students of the Institute on various professional careers available and support them through various activities such as workshops, expert advice, industrial visits, etc.
7. To encourage students and Alumni to develop their entrepreneurship skills.
8. To foster the industry-institute interaction to bridge the gap between industry and education.

Through association, students benefit from placement, industrial training, expert lectures, career guidance sessions, industrial visits and mentoring.

Alumni meet is conducted every year for engagement of alumni.

File Description	Documents
Paste link for additional information	<a href="https://alumni.aissmsioit.org/">https://alumni.aissmsioit.org/</a>
Upload any additional information	<a href="#">View File</a>

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

**D. 1 Lakhs - 3Lakhs**

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

## **GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 - Institutional Vision and Leadership**

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

**The Vision and Mission statement of the Institute are as follows:**

**VISION**

"To uplift the common masses by rendering value added education"

**MISSION**

"Empowering Society through dynamic education."

The governance within Institute consists of Governing body (GB), College Development Committee (CDC), and IQAC. The Management, IQAC, Principal and Central Committee co-coordinators are responsible to frame and implement the policies which are in tune with Vision and Mission. Principal holds meetings with Heads of the departments (HoD) every week, during which the Principal reviews the processes and plans of each department. All the decisions, policies and planning to improve the quality are reviewed and discussed in these meetings before their implementation which are further reviewed and approved by the CDC/GB.

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

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

The institute has inculcated the practice of decentralized and participative management with well established mutual relationships among all the stakeholders. Effective leadership is visible through designing, planning, implementing and executing quality policy of the Institute to achieve its Vision and Mission.

Principal conducts weekly meeting with HoDs, in order to delegate different responsibilities and roles to be performed by faculty members in line with quality policy. All the decisions, policies and planning to improve the quality are reviewed and discussed in these meeting before execution. Meetings of CDC/GB are scheduled to check success of the decisions taken and to review the efficacy of the policy.

Representatives of the management are the members of the CDC/GB of the Institute who play a significant role in designing, implementing and planning its quality policy. Management ensures that the opinions and suggestions made by faculty members and staff are included in decisions implemented for college development which is reflection of participative Management in the Institute.

Institute has 32 Central committees which define, monitor and evaluate the policies for implementation and improvement. The committees are formulated such that the committee has a coordinator with expertise in the domain along with the members from each department.

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

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The perspective/strategic plan of the institution since the IInd cycle of NAAC includes:

- Strategic plan No. 1: Curriculum enhancement in Autonomy status as per NEP 2020.
- Strategic plan No. 2: Enhancing Research, Testing and Consultancy
- Strategic plan No. 3: Strengthening Foreign Collaborations
- Strategic plan No. 4: Boosting of entrepreneurship and incubation

#### Curriculum enhancement in Autonomy status as per NEP 2020

Here are some key aspects of curriculum enhancement in autonomy status as per NEP 2020:

- Institutional Autonomy
- Choice-based Credit System (CBCS)
- Interdisciplinary and Multidisciplinary Approach
- Credit Transfer and Accumulation
- Open and Online Learning:
- Academic Bank of Credit (ABC)

- Faculty Empowerment
- Industry-Academia Collaboration
- Research Opportunities

List of activities conducted as per strategic plan:

1. Organized meetings of DAB/AAC and BOS for the finalization of the curriculum.
2. Conduction of academic audit.
3. Feedback collection from students about teaching learning process and analysis.
4. Increased awareness about Intellectual Property, Patent Filing and Entrepreneurship among students by organizing workshops and events.
5. Signed MOU with organizations to provide entrepreneurial development.

Organized lectures on various topics to provide information about possible career opportunities in academic and cultural exchange program in international universities.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://aissmsioit.org/wp-content/uploads/2023/09/Strategic-plan-for-website.pdf">https://aissmsioit.org/wp-content/uploads/2023/09/Strategic-plan-for-website.pdf</a>
Upload any additional information	<a href="#">View File</a>

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 representatives of the management are the members of the CDC and Governing Body of the Institute who play the most significant role in designing, implementing and planning of its policies.

The Management and the Principal ensure that the institution moves ahead with all the planning, to become one of the renowned institutions. The policy statements and action plans are formulated, after careful consideration of all the stakeholders, by the management. The Leadership strives to empower society by providing dynamic education.

Some of the major policy decisions which reflect the effective and

efficient functioning of the institutional bodies are as follows:

1. Permanent affiliation for all branches.
2. Accreditation of all branches.
3. Establishing centre of excellence.
4. Autonomy for the Institute.
5. PG course and research centre for all branches.
6. Foreign collaborations.
7. Research motivation scheme
8. Promotion of testing and consultancy activities
9. Cash awards for best teaching and non-teaching staff
10. Higher education promotion

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	<a href="https://aissmsioit.org/wp-content/uploads/2023/04/Mandarory-Disc-2022-23-1.pdf">https://aissmsioit.org/wp-content/uploads/2023/04/Mandarory-Disc-2022-23-1.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

The institute has variety of welfare schemes for teaching as well as non-teaching staff as follows

1. **EPF:** The Employee Provident Fund (EPF) is a scheme that helps people save up a sufficient corpus for retirement. Institute contributes 12% of basic salary of all employees as contribution towards EPF.
2. **Gratuity :** Gratuity is given by the Institute to all employees for the services rendered by him/her during the period of employment. It is usually paid at the time of retirement but can be paid earlier, provided certain conditions are met.
3. **Co-operative Credit Society:** Started by the AISSM society for the welfare of all employees. The loan facilities are given to all employees working in the institute. Loans are available for the permanent employees.
4. **Group Insurance:** The master group insurance policy was taken for all employees.

5) Uniform for class IV staff twice in year

#### 6. Maternity Leave:

6 Months maternity leaves are provided to women employee after completing probation of 2 years.

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

#### 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

19971

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

**6.3.3 - Number of professional development /administrative training 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**

02

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

**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**

107

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

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

#### 1) Performance Based Appraisal System for Teaching Staff:

The Institute strictly follows all the essential recruitment and promotional policies as stipulated by Savitribai Phule Pune University, All India Council for Technical Education (AICTE) and Government of Maharashtra. Each and every faculty member completes the self-appraisal procedure every semester in the format prescribed by Savitribai Phule Pune University / AICTE.

Self-appraisal is done on the basis of the following points:

1. Teaching, Learning and Evaluation Related Activities:-
  - Lectures, seminars, tutorials, and Practical Conducted
  - Project guided
  - Additional knowledge and resources provided
  - Examination related work
  - Academic Progress Record
  - Students feedback
  - Result analysis
2. Co-curricular, Extension and professional development related activities:-
  - Co-curricular Extension
  - Professional development related activities
  - Contribution to Corporate Life and Management of the Institution
3. Research, Publications and academic contributions
  - Publications–Papers in conference proceedings / workshops/ seminars / symposium, etc. and papers in journals, books, articles / chapters published in

books.

- Research guidance
- Faculty development Programs attended / organized
- Research Projects and Consultancies: ongoing projects/consultancies and completed projects/consultancies.

4. Official conduct

5. Other relevant information.

## 2) Evaluation System for Non-Teaching Staff:

Evaluation System for non-teaching staff is monitored on the parameters like - work assigned and completed by staff, performance, length of the service etc

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

## 6.4 - Financial Management and Resource Mobilization

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

The account of each financial year of the Institute is audited by internal and external auditors. Thus the utilization of financial resources is monitored at two tier level.

Internal and external auditors are appointed by the AISSM Society. The internal and external audits are carried out in each half of the financial year.

The internal and external auditor appointed by the Society, executes the statutory audit. Statutory financial audit is conducted in two sessions, one in the month of October/November for the period of April to September and second in the month of April /May for the period of October to March. Finalization of the account is completed in June/July and audited statements are prepared in June/July duly signed by the Principal, and Chartered Accountant. This audited report is submitted by Chartered Accountant.

No major objections are found in the audit by the statutory

auditors and minor audit suggestions are complied as per procedure.

The objection raised in the Internal and External audit reports are reviewed by the Management, Principal and Accountant, and the necessary compliances are carried out toward the fulfillment of the objections raised.

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

#### 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)

234500

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

The Institute has standardized procedure for sanctioning of funds for various activities and also for settlement of advance and passing of bills for payment.

The Management has given complete support to Principal for organization of various co-curricular and extra-curricular activities like technical events, sponsoring of faculty and staff for various FDPs, skill development programs, providing financial support for attending conferences, workshops, pursuance of higher education etc. Financial support is also provided for participation of students at various national level events.

All the major financial transactions are monitored by the College Development Committee (CDC) and Governing body (GB) The budget is discussed in the meetings of CDC and GB of the Institute.

The resolutions of the CDC and GB regarding approval for budget are forwarded to the society for final approval of the budget.

The Society has constituted a separate purchase Committee comprising of Management representative, Principal and concerned staff. The purchase procedure such as calling quotation, technical bid, preparing comparative statement, negotiation meetings are followed for effective and efficient use of available financial resources. The committee ensures that suitable equipment with right specification is procured at competitive and optimal prices.

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

## 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

### Teaching - Learning:

IQAC prioritizes Outcome-Based Education (OBE) and organized seminars and Faculty Development Programs to guide teachers and implement OBE effectively. IQAC coordinator completed certification of NPTEL course on NBA Accreditation and Teaching and learning in Engineering for better understanding of OBE and accreditation and secured 90% (topper). Based on the knowledge gained through this course, certain processes in OBE were modified and the same will be implemented w.e.f. A.Y. 2022-23.

36 faculty members will enroll for this NPTEL course in A.Y. 2022-23.

**Research and Development:** The institute hosted the 4th IEEE International Conference on Emerging Smart Computing and Informatics, fostering research collaboration from 9th to 11th March, 2022.

**Strategic Planning:** Vision and mission statements of the institute

and departments were redefined by following the standard procedure. Accordingly strategic plan of the institute was developed.

Industry - institute interaction: MoUs with 53 industries/institutions were signed to facilitate internships/trainings, visits, workshops, expert talks and placements for students.

Accreditation: Institute Applied for NBA Accreditation of 5 branches and received 3 years accreditation for all five eligible branches namely Instrumentation, Computer, Information Technology, Electronics&Telecommunication and Electrical.

Autonomous status:IQAC applied for and prepared for all the necessary requirements for autonomous status by UGC. The same was granted by UGC on 3rd November 2021.

Induction program: IQACorganizesinduction programfor newly appointed faculty members to

- Make them aware about roles, responsibilities and professional expectations
- Familiarize them with the infrastructure/resources, and common facilities of the institute.
- Make them aware about outcome based education.

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

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

IQAC conducts Internal Academic Audit (IAA) at the end of each semester.The dates of Internal Academic Audit (IAA) are included in the institute's academic calendar.IQAC issues a circular for the audit as per the scheduled date at the end of semester.The assessment of the documentary evidence is done by the assessment committee as per the schedule. List of documents verified during audit is available on the link provided below.

After audit, the summary of the inspection cum compliance is prepared by the department. Reasons for partial / non completion is mentioned. Program coordinator (HoD) submits the report to IQAC and also gives directives to concerned faculty members to do the compliance in stipulated period. If there are any compliances (in documents and course file), the concerned faculty member is required to do the compliance of documentation within specified time period. After all the compliances, department prepares the compliance cum action taken report in the following format. Program coordinator (HoD) submits the report to IQAC. IQAC coordinator compiles reports of all the department and submit it to Principal for review and to be discussed in IQAC meetings.

Attainment of course and program outcomes is checked during audit. Necessary actions are planned for the improvement of outcomes which are not attained.

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

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://aissmsioit.org/wp-content/uploads/2022/12/Annual-Report-2021-2022.pdf">https://aissmsioit.org/wp-content/uploads/2022/12/Annual-Report-2021-2022.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

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

To create awareness of gender equity in students & staff, Institute provide equal opportunity to male & female staff and students for all the activities & process which include administrative, teaching etc. Institute has taken major initiative for the promotion of gender equity by providing equal opportunity to male and female candidates in recruitment as well as appointment of female candidate on various academic posts.

Our institute shows a great concern in providing the diversified facilities in terms of the following:

#### 1. Safety and Security

The institute is emphasizing more on the safety and security. Institute has installed CCTV cameras at different locations. Security guards are available for twenty four hours. The contact numbers and toll free help line numbers of nearby police stations are displayed on notice boards and at strategic locations.

Institute has formed the internal complaints committee (ICC) for female students and staff to address the issues related to gender and human rights.

#### 2. Counselling

Institute has allocated batch counselors and professional counselors at the institute level for female staffs and students

who is responsible for monitoring academic, co-curricular performance and addressing issues of female staffs and students.

### 3.Common room

Institute has allocated a common room for the girl students. It is equipped with necessary facilities. Sanitary napkin vending machines and incinerators are available in ladies toilets.

File Description	Documents
Annual gender sensitization action plan	<a href="https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion7/7.1.1.pdf">https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion7/7.1.1.pdf</a>
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	Nil

**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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The Institute is committed to create an eco-friendly campus. The institute ensures the green environment by conducting the Green Audit and strives to implement the suggestions. Institute practices the waste management for degradable and non-degradable waste. Usage of plastic is banned in the college premises.

**Solid waste management:** Institute practices the segregation of Solid Waste and its effective management in the campus. The

collected waste is segregated at the source of the generation. The separate bins for dry and wet waste are used. The dry and wet waste is handed over to municipal waste collection agency for further treatment. Old newspapers, used papers and journal files, workshop scrap etc. are given for recycling to external agencies. In order to dispose sanitary napkins institute has properly installed sanitary napkin incinerator machine.

**Liquid waste management:** All the toilets and bathrooms waste water lines are directly connected to the municipal drainage system. Waste water from laboratories is treated through proposed novel cavitation. Well-constructed drainage system in the form of closed collection tanks prevail in our campus.

**E-waste management:** The institute has the write off policy for managing the E-waste. The institute has identified and appointed a vendor for managing E-waste. After complete inspection and verification, E-waste management is done by collecting all the electronic waste generated in the institute premises at a central storage space allocated for the same and sent for recycling through an E-waste management vendor.

**Hazardous waste management:** The chemistry lab has provision to properly store and maintain hazardous chemicals.

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

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

A. Any 4 or all of the above

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

<b>7.1.5 - Green campus initiatives include</b>	
<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b>  <b>1.Restricted entry of automobiles</b> <b>2.Use of bicycles/ Battery-powered vehicles</b> <b>3.Pedestrian-friendly pathways</b> <b>4.Ban on use of plastic</b> <b>5.Landscaping</b>	<b>A. Any 4 or All of the above</b>
<b>File Description</b>	<b>Documents</b>
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>
<b>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</b>	
<b>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>	<b>A. Any 4 or all of the above</b>
<b>File Description</b>	<b>Documents</b>
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<b>No File Uploaded</b>
Certificates of the awards received	<b>No File Uploaded</b>
Any other relevant information	<a href="#">View File</a>
<b>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</b>	<b>A. Any 4 or all of the above</b>

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**

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

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).

Annually, our institute compiles an academic calendar, a vital reference for students, faculty, and staff, encompassing academic milestones and institution-wide cultural celebrations like Teachers Day and Shiv Jayanti etc.

We celebrate multilingualism through Marathi Diwas and Hindi Bhasha Diwas, reflecting our commitment to linguistic diversity.

Our students and faculty actively support Warkaris during the Palkhi celebration, aiding in waste collection during the Dindi procession from Pune to Pandharpur.

The National Service Scheme unit organizes rural camps, utilizing street plays to raise awareness about social issues like women empowerment, farmer suicide, and gender equity.

During natural disasters, our institute extends help through financial support, food supplies, and clothing donations. We collaborate with organizations like NDRF, FSAI, and municipal fire brigades for disaster management workshops.

On Women's Day, we host sessions focusing on women's rights, safety, security, and health.

To protect the environment, we conduct forest conservation, tree planting, riverbank cleaning, and traffic management activities.

Our institute organizes blood donation camps each semester, encouraging voluntary contributions from students and staff.

The Student Development Organization (SDO) supervises student rights and development activities, fostering growth through initiatives like Personality Development and the Earn and Learn Scheme

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

Institute has taken initiative to sensitize and inculcate values, rights, duties and responsibilities of citizens through activities mainly organized by National Service Scheme, Student Development Organization, Internal Complaints Committee, Staff/Student Grievance committee, SC/ST/OBC Reservation Committee, Committee for students with disabilities, Anti-ragging committee, and Discipline Committee and department.

Institute takes consistent effort to inculcate values among students. Institute always put best towards overall development of the students by organizing expert lecture on "Universal Human Values" in early days of their engineering education. Apart from technical subjects, students are asked to enroll for MOOCs courses which promote human values and ethics in them.

Institute creates awareness about human Rights as per constitution obligation. The preamble of constitution obligation is displayed in college corridor. The Students' Development Organization looks after the protection of rights and supervises the Development activities of the students. Internal Complaints Committee sensitizes about women rights and gender equity through various

activities. Every year institute celebrate Constitutional day.

Students and employees are sensitized about constitutional obligations related to duties and responsibilities through the activities like tree plantation, Swachh Bharat Abhiyan, street plays on social issues, fort conservation, cloth donation, annual residential camp and volunteering during pilgrimage programs etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion7/7.1.9.pdf">https://naac2021cycle2.aissmsioit.org/AQAR%202021-22/Criterion7/7.1.9.pdf</a>
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	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**Every year Institute celebrates Republic Day and Independence Day**

with great enthusiasm. All staff and students gather at one campus along with the office bearers.

Institute celebrates Mahatma Gandhi Jayanti by paying tribute. The NSS unit organizes mass pledge in institute in accordance with the Prime Minister's urge for 'Swaachh Bharat Abhiyaan'.

Chhatrapati Shahu Maharaj Jayanti program is organized every year by All India Shri Shivaji Memorial Society in campus on 26th June. All the institutes under the ambit of AISSMS gather for the program where in staff and students are felicitated for their remarkable achievements.

Institute celebrates Chhatrapati Shivaji Maharaj Jayanti every year on 19th February. On this occasion rallies are organized to commemorate our respect towards him.

Institute celebrates Teachers' Day every year on 05th September in remembrance of Dr. Sarvepalli Radhakrishnan. Felicitation and awards are given to the teachers for excellent performance.

Every year, 15th September is celebrated as Engineers' Day in the honour of Bharat Ratna Mokshagundam Visvesvaraya. Institute organizes technical projects and poster competition for technical advancement.

Institute celebrates "Hindi Bhasha Divas" and "Marathi Bhasha Divas" every year on 14th September and 27th February respectively. Various activities and competitions are conducted.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

**1.Title: Virtual Lab**

**Objectives:**

- To provide remote-access to Labs in various disciplines of Engineering.
- To enthuse students to perform experiments by arousing their curiosity.
- To make available a complete Learning Management System around the Virtual Labs.
- To share state of the art equipment and resources.

**2.Title: Multimodal Communication Skill Development Program****Objectives:**

- To identify students with poor written, verbal communication and presentation skills.
- To make students realize the importance of communication in technical world.
- To improve presentation and communication skills of students.
- To inculcate the art of conversation among the students.
- To instill self-learning habit among the students.

File Description	Documents
Best practices in the Institutional website	<a href="https://aissmsioit.org/wp-content/uploads/2023/11/Best-Practice.pdf">https://aissmsioit.org/wp-content/uploads/2023/11/Best-Practice.pdf</a>
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

**1.The saga of Royal Heritage-**

Established in 1917 by Shri Shrimant Chattrapati Shahu Maharaj, the All India Shri Shivaji Memorial Society in Pune aims to foster education. The foundation stone was laid by the Prince of Wales in 1921. It emphasizes holistic student development and technical expertise. Operating impartially, it prioritizes education in military, general, technical, and management domains. Progressively managed, it continually enhances its initiatives

since inception. Today, it excels in education, combining tradition with modern infrastructure. With a century-long legacy, it enriches Pune's educational landscape by offering quality education and nurturing young minds. ASSMS stands as a beacon of education from primary to technical levels.

#### 1.Location Privilege-

Centrally situated in Pune, our institute offers unmatched connectivity, being near the railway station, bus terminus, and just 6 km from the airport. This prime location ensures easy access for students and professionals alike. Despite the surrounding industries, our campus is lush green with ample space for cultural and sports activities. It's the preferred choice for pool campuses and competitive exams. With a vision to provide value-added education, we focus on producing engineers adaptable to global market demands, striving to uplift the community through quality learning.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

1. To organize visits to autonomous institutes for interaction in view of the implementation of Autonomy (Academics & Administrative)
2. To organize FDP on Outcome Based Education (OBE) from Autonomy point of view (Academics/Teaching-learning)
3. To redefine vision and mission statements of the institute and departments.
4. To organize workshop by industry experts for guidance on redefining vision and mission statements of the institute and departments.
5. To organize NAAC Sponsored National level seminar "Understanding of key indicators and metrics for preparation of DVV and documents for submission of SSR of Autonomous institutes" (Sub Theme: Key Indicators and Metrics in QIF to be emphasized by the autonomous institute).
6. To organize FDP on "Stepping towards Problem and Project based Learning".

