



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution	
	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE OF ENGINEERING, PUNE
• Name of the Head of the institution	Dattatraya Shankar Bormane
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02026059562
• Mobile no	9850282286
• Registered e-mail	principal@aissmscoe.com
• Alternate e-mail	bdattatraya@gmail.com
• Address	AISSMS College of Engineering, 1 Kennedy Road, Pune
• City/Town	Pune
• State/UT	Maharashtra
• Pin Code	411001
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	Self-financing												
• Name of the Affiliating University	Savitribai Phule Pune University												
• Name of the IQAC Coordinator	Dr C S Choudhari												
• Phone No.	02026058587												
• Alternate phone No.	9822446264												
• Mobile	9822446264												
• IQAC e-mail address	iqac@aissmscoe.com												
• Alternate Email address	cschoudhari@aissmscoe.com												
3.Website address (Web link of the AQAR (Previous Academic Year))	https://aissmscoe.com/wp-content/uploads/2021/10/AQAR-2019-20-1.pdf												
4.Whether Academic Calendar prepared during the year?	Yes												
• if yes, whether it is uploaded in the Institutional website Web link:	https://aissmscoe.com/academics/academic-calendar/												
5.Accreditation Details													
<table border="1"> <thead> <tr> <th>Cycle</th> <th>Grade</th> <th>CGPA</th> <th>Year of Accreditation</th> <th>Validity from</th> <th>Validity to</th> </tr> </thead> <tbody> <tr> <td>Cycle 1</td> <td>A+</td> <td>3.29</td> <td>2017</td> <td>26/09/2018</td> <td>25/09/2023</td> </tr> </tbody> </table>	Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to	Cycle 1	A+	3.29	2017	26/09/2018	25/09/2023	
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to								
Cycle 1	A+	3.29	2017	26/09/2018	25/09/2023								
6.Date of Establishment of IQAC	21/08/2017												
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,													

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Department of Electrical Engineering	AICTE ATAL	AICTE	2020	93000
Department of Civil Engineering	AICTE	AICTE	2020	285000
Department of Mechanical Engineering	SPECIES	AICTE	2020	100000
Department of Production Engineering	AICTE AQIS	AICTE	2020	392208

8. Whether composition of IQAC as per latest NAAC guidelines	Yes
<ul style="list-style-type: none"> Upload latest notification of formation of IQAC 	View File
9.No. of IQAC meetings held during the year	2
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	

1. Organization of Faculty development programs for university faculty during pandemic	
2. Celebration of Innovation and StartUp week and promotion of IPR related activities	
3. Support to NAAC aspiring institutes under PARAMARSH scheme	
4. Focused efforts for improving association with industry for internships, training and placements	
5. Social activities during pandemic through NSS unit of the institute	
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
1. Improved interaction with internal and external stakeholders	Suggestions and support received from parents, alumni, employers and other all stakeholders Conducted induction program for senior classes including first year classes
2. More activities related to innovation and startup related activities	Celebrated innovation and startup week and conducted more IPR related activities through institute Innovation Council
3. Support from industries for internships, live projects	Improved interaction with industries with formal MoUs
4. Organization of faculty development programs	For non teaching staff development program was organized. In-house faculty development program was organized.
5. Organisation of social activities during COVID pandemic	Mask and sanitizer distribution, awareness activities for vaccination etc. were organised.
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	

Name	Date of meeting(s)
CDC	18/02/2022

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2020	10/01/2022

15. Multidisciplinary / interdisciplinary

AISSMS COE, being an engineering college and affiliated to Savitribai Phule Pune University, Pune has certain limitations in curriculum designing, however, many more initiatives have been taken in promoting interdisciplinary academic activities. In the curriculum, subjects like robotics, mechatronics, IoT and sensors have been added. Institute has initiated various value added / add on courses providing platform to students to have education with interdisciplinary approach. Most important is that many more student associations are there in the institute and always curricular activities are organized with the participants from all the disciplines. Various courses are there in the curriculum such as energy conservation, environmental pollution, sustainable development, human rights, etc. Extension lectures are organized on various topics such as commerce, finance, banking, innovation and startup, etc. In the student recruitment process of various clubs, deliberate efforts are taken to accommodate students from various disciplines. Institute has initiated one PG course, IoT and Sensors for which any engineering graduate is eligible for admission.

16. Academic bank of credits (ABC):

AISSMS COE is affiliated to SPPU, Pune and is working on the concept of Academic bank of credits (ABC), to establish "credit transfer" mechanism for providing academic mobility to students. University curriculum is based on choice based credit system. Awareness sessions on implementation of NEP 2020 are organized and efforts are put to create awareness about key aspects of NEP , including academic bank of credits.

17. Skill development:

Skill development is one of the major quality aspect institute is focusing. Institute is focusing on skill development through extension sessions, industry internships and industry projects. Even skill development is focused through academic with appropriate changes in teaching learning process, curriculum and assessment and

evaluation of students. More than 20 students' chapters of professional bodies organizes workshops on various topics with the involvement of professionals from various sectors to provide hands-on experience to students. Institute has established training committee, entrepreneurship and skill development committee, competitive examination committee, innovation, IPR and startup committee for providing different platforms for skill development of students and faculty for improving the employability of students and to make them professionally competent.

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

Core values of AISSMS COE are leadership and cultural heritage, honesty and integrity, freedom of thought and expression, social responsibility. All these core values are the guidelines for stimulating Indian knowledge system in the institute.

Ethics, art and craft, cultural activities, motivational talks and different activities such as celebration of anniversaries of great leaders of India are organized for the holistic development of the students. Health camps, yoga day celebrations, blood donation camps, traditional day celebrations, teachers day, gurupornima celebration, Constitution of India day celebration and many more extension and social activities are organized in the institute for sensitization of students towards societal issues and for civilization of students.

Annual sports and cultural function "Shivanjali" and annual intercollegiate sports- cultural competition "Ashwamedh" is celebrated annually. Indian and local culture is reflected through various performances during these events and special efforts are put for the same.

Active NSS unit and Sports and cultural committee organizes various activities promoting Indian ethos among students. For promoting local language and for implementation of three language formula, college magazine is published with three sections of Marathi, Hindi and English.

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

Institute has adopted outcome based education and for every subject course outcome are set and mapped with program outcomes. Based on mapping of CO and PO, various curricular activities are organized. Departments have specified program specific outcomes also and CO's of the subjects are mapped with PSO.

Outcome of assessment and evaluation of students through unit tests, assignments and course activities assigned, continuous assessment is used to measure course outcomes, as internal assessment tools. University examination performance of students is used as external assessment tools for CO attainment. For PO attainment, same tools and in addition, exit survey is used as an indirect assessment tool for PO and PSO attainment.

20.Distance education/online education:

At AISSMS COE, after pandemic we are going with hybrid mode whereas during pandemic all the academic activities are carried out with online mode. MS teams and ZOOM, these two platforms were used mainly. Apart from this, google class room, moodle and few other online platforms are used by faculty. Different ICT tools are also adopted by faculty during teaching learning process. Use of virtual labs, virtual industry visits are encouraged in the institute. Students are motivated to join online courses on Swayam, Coursera, EDx IIRS, Ekeeda platforms. AISSMS COE library is also proactive in reaching to students through distance and online education. Librarian is ambassador for DOAJ. Remote access for research papers and eBooks is also made available for students.

Extended Profile

1.Programme

1.1	532
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	641
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	270
Number of seats earmarked for reserved category as per GOI/ State	

Govt. rule during the year		
File Description	Documents	
Data Template	View File	
2.3		846
Number of outgoing/ final year students during the year		
File Description	Documents	
Data Template	View File	
3.Academic		
3.1		161
Number of full time teachers during the year		
File Description	Documents	
Data Template	View File	
3.2		167
Number of sanctioned posts during the year		
File Description	Documents	
Data Template	View File	
4.Institution		
4.1		46
Total number of Classrooms and Seminar halls		
4.2		660.60
Total expenditure excluding salary during the year (INR in lakhs)		
4.3		975
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 AISSMS is affiliated to SPPU Pune. Principal receives inputs through IQAC, Department Advisory Board and Academic Coordinator. Based on inputs Institute prepares the academic calendar at the beginning of academic session. Departments prepare their Department Academic calendar in line with Institute Academic Calendar.

Both Academic-calendars consist of curricular, co-curricular and extracurricular activities for effective implementation and delivery of curriculum. The teaching plan of teachers contains outcome base course curriculum frame work, including Unit-wise learning outcomes and test problems mapped to COs. The Closed loop system of effective curriculum delivery is revealed in enclosed documents.

At the end of semester CO & PO mapping and assessment is done. Assessed outcomes of the program reveal the weakness and strength of course delivery components helping teachers to modify course-delivery methods. Unit-wise Tests are conducted and results are displayed. Periodical meetings of Head of the Departments are held with the Principal to discuss mid-term academic progress. Effective learning tools like Assignments, seminars, Guest lectures, project, PBL and industrial visits are the part of students learning.

Faculties are encouraged to participate in UGC/AICTE sponsored Career-Oriented Courses/workshops/training programs. Short Term Courses and Soft Skill programs are conducted for the overall development of students.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://aissmscoe.com/coe/naac2020/Criterial/

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

The Academic calendar is prepared by Academic coordinator in consultation with HoDs in line with affiliated University calendar and it is finally approved by the Principal. The academic calendar is prepared so that teachers should know all the activities

regarding continuous internal evaluation process

In the beginning of the academic session the students are apprised of Academic calendar and is uploaded on college website and displayed on notice boards.

Only Principal is allowed to do minor changes in academic calendar which he may deem fit considering the unforeseen circumstances, for instance. Several changes made on examination dates as per directives by the University especially during COVID pandemic.

Based on Academic calendar issued by the Principal, the departments also make their own academic calendar and circulated to all students and faculty members. Department calendar is more specific, having details like internal evaluations: class tests, assignments, industrial visits etc.

The course teachers announce the syllabus/Curriculum plan, Course outcomes and Course objectives and display question banks, Class tests and assignments. Assignments are submitted by students as per the dates given in academic Calendar and sometimes by course teachers. During online teaching Microsoft teams platform was used for lecture, giving assignments, conducting tests etc.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://aissmscoe.com/coe/naac2020/Criterial/

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.

A. All of the above

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

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

1.2 - Academic Flexibility

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

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

15

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

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

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

163

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

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

183

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

1.3 - Curriculum Enrichment

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

The present curriculum has integrated Gender, Environment and Sustainability, Human Values and Professional Ethics through forty five core courses addressing above issues are included in the curriculum of various programs (e.g. humanities and social sciences, environmental engineering, air pollution and control, disaster management, industrial management and entrepreneurship, soft skills, energy audit management, human rights etc.) for holistic development of the students.

The Institute has established a National Social Service (NSS) under the SPPU. NSS organizes activities related to Environment and Sustainability like Swachha Bharat Abhiyan, Tree Plantation, Plastic Kachra Mukta Abhiyan, Disaster management Training. Blood Donation Camps are organized under human value activities. Guest lectures are also arranged on cross cutting issues like human rights and health related issues. Professional ethics are imbibed amongst students by encouraging them to participate in the professional activities like seminars, conferences, workshops, tech fests. At the 16 th National level Students Symposium AISSMS Engineering Today was organized with, Twenty four different events were conducted. Students' Chapters of several professional organizations have been established to enhance technical and social awareness among students. The institute has active Entrepreneurship Development Cell (EDC) which nurtures the spirit of entrepreneurship. Total eight Entrepreneurship Awareness Camps have being organized in 2020-21.

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

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

31

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
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	View File
Institutional Data in Prescribed Format	View File

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

2573

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

1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://aissmscoe.com/stakeholders/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://aissmscoe.com/coe/naac2020/Criterial/

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

641

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

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

298

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

2.2 - Catering to Student Diversity

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

Once First year admissions are over, the compiled data of new students was collected from ERP. This data helps to know the student's academic and family background, skills learnt in school/junior college, the hobbies/interest in various fields. The analysis of the data helps to evaluate the learning level of each student. Guardian faculty member (GFM) along with subject teachers identified slow and advanced learners on the basis of performances in class tests. Class test on every unit were conducted regularly during each semester.

Department of First year Engineering (FE) had conducted e-Student Induction Program (eSIP) for one week from first semester of AY 2020-2021. Activities conducted during eSIP were Yoga, Motivational Talk, Health awareness etc. Weekly virtual meetings of GFM, Mentor and teachers of respective were conducted. This helps them to understand the student learning levels. Based on this evaluation special activities are undertaken as per need. For higher classes individual departments carry out activities for advanced and slow learners. The activities like Virtual Industry visits, In-house mini-projects were conducted for Advanced learners. Extra lectures, Special Notes etc are some of the activities conducted for Slow learners. College had made provision of soft skill training and counseling for students.

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

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

Number of Students	Number of Teachers
3188	161

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Various instructional methods and pedagogical initiatives are adopted for student centric methods in Covid-19. Teachers have developed e-content, YouTube videos and posted it on Google classrooms and Microsoft teams. Practical of some subjects are conducted through virtual lab. Virtual tours are conducted instead of actual site visits. Online expert lectures, student development programs and webinars are conducted.

The following teaching and learning methodologies are used in online mode;

- Project based learning: A team of 3 to 6 students works cohesively on a project/problem.
- Active learning: The faculty adopt active learning by involving students in the learning process more directly through activities like brain storming, quiz, debate.
- Collaborative Learning: The student teams work jointly to solve a problem, complete a task/project, participating in debates or design a product under college clubs.
- Inquiry-based Learning: Students are encouraged to search and make use of resources beyond the classroom for investigation of open questions/problems.
- Experiential learning: Field based experiential learning like Internship, service learning and class based experiential learning such as simulation, games are practiced.

Cooperative, Problem based and Peer Led Team methodologies are effectively implemented in online mode. Students were encouraged to do online courses like NPTEL.

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

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

The classrooms and laboratories are ICT enabled with projectors installed and the campus is enabled with high speed wi-fi connection. Integration of ICT in teaching has very important significance on the learning attitude of students, creativity, knowledge construction, learning environment, teaching strategies, problem solving skills and understanding concepts using various tools. The ICT tools used by faculty are:

Microsoft Teams/ Google applications: Online teaching conduction, to manage and post course related information like notes, assignments, question bank on all units, reference material, quiz, tests, Lab manuals, Lecture videos, animated videos, etc are shared to students through Microsoft Teams/ Google applications.

Virtual Labs and simulation software: Along with laboratory experiments prescribed by university syllabus, one or more additional virtual lab experiments (from IIT web portal) are conducted for a few labs. Also, different softwares like MATLAB,AUTOCAD, etc; are used to carry out experiments in the laboratory.

Online drawing tools like Wacom tablet ,concept maps, mind maps are used to teach mathematical subjects and drawings.

Various tools like PPT enabled with animations and simulations, smart boards, demonstration videos are used to improve the effectiveness of the teaching- learning process.

Online quizzes and polls are regularly conducted to record the feedback of students.

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

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

2.3.3.1 - Number of mentors

150

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

2.4 - Teacher Profile and Quality

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

161

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

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

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

44

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

1932

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

2.5 - Evaluation Process and Reforms

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

For the entire academic year, the floating of academic assignments, their assessment, and declaration of the results was done via online mode. The institute had carefully designed and implemented the parallel internal assessment mechanism specifically to address the covid-19 scenario.

Though the online classes were conducted on Microsoft teams platform, different platforms such as Moodle, Google classroom were used for conducting class tests and sharing material. Internal examinations were planned after the completion of each unit in the academic calendar and executed as per schedule. Both subjective and objective types of examinations were conducted by designing Google forms and quizzes. The teachers suggested modification by writing comments. Students could check the grades and the comments immediately after the assessment. Thus, the transparency and rigor in the internal assessment were maintained.

The performance of each student for practical sessions was recorded

weekly in the Continuous Assessment Sheet (CAS) in front of students by sharing the sheet online. Online game-based learning platforms such as Kahoot, quizizz were used.

Project progress review presentations were arranged twice in a semester on Microsoft teams platform to review the progress of project work and evaluation sheets were maintained.

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

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

The institute has adopted a fair and transparent process prescribed by the affiliating university for the evaluation of students. There is a well-defined mechanism for the grievance redressal related to the formative assessment by the institute. To address all examination and evaluation-related problems, Institute has appointed a College examination officer (CEO) as per the directives of SPPU. An aggrieved student makes an application to CEO and he addresses it as per the stipulated norms.

The CEO forwards the grievance to the respective department. Whenever the grievance is reported regarding the internal evaluation, the concerned HoD along with the concerned subject teacher shows the carefully maintained CAS record to the aggrieved student and tries to resolve the grievance.

An examination in charge is appointed in each department that coordinates with the CEO. During the covid-19 period, when all the examinations were conducted online, departmental examination in-charge has played a vital role. He was empowered to address the minor issues raised by students related to examinations. Students forwarded the grievances regarding any difficulty in log-in or submission of the answers to the department exam in charge. The in-charge would immediately address the grievance by consulting the HOD and the CEO.

File Description	Documents
Any additional information	View File
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.

Institute has well defined Vision and Mission. Each program has a set of meticulously designed programme outcomes (PO) and program-specific outcomes (PSO). Every course of every programme has 3 to 6-course outcomes (CO).

All stakeholders are involved in the process of defining the vision, mission, POs, and PSOs of the institute and the department. Head of the department and teachers discuss and frame POs and PSOs of the programs which are in line with Graduate Attributes and Vision, Mission of the Institute.

The Head of the institution delivers addresses to all newly admitted first-year students and their parents in the induction program. During this address institute's vision, mission, and program objectives are stated.

Every course teacher discusses expected course outcomes with students at the beginning of each semester.

Apart from this, POs and PSOs are displayed for all stakeholders at the following locations:

- Institute website
- HOD cabins
- Notice Boards
- Department laboratories
- Department Library
- Seminar halls
- Admission Broacher

- Broacher of various events such as FDPs, training programs, student competitions
- Laboratory manuals
- Students' journal
- Course files of teachers

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://aissmscoe.com/about-us/college-profile/
Upload COs for all Programmes (exemplars from Glossary)	View File

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

The PSOs, POs, and COs are designed using a top-down approach. The program-specific outcomes are in tune with the expectation of the professional bodies and society. The program outcomes are in line with the graduate attributes defined by UGC. To meet these program outcomes, the curriculum is designed by SPPU. Each course has specific measurable course outcomes. Each course has 6 units and each unit relates to a specific course outcome. Each course outcome is mapped with the POs, and program-specific objectives. While calculating the attainment level bottom to top approach is used. For each course, the attainment level of all course outcomes is based on the student performance in the internal and external examinations. Similarly, the feedback at the end of the course is taken to assess the course outcome indirectly. Thus, the CO attainment is a combined result of a direct and indirect assessment. Besides this, the exit survey is taken from students for indirect assessment of the POs. The alumni and employer surveys are taken for indirect assessment of the PSOs.

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

2.6.3 - Pass percentage of Students during the year

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

846

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://aissmscoe.com/chemical-engineering/annual-reports/

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://aissmscoe.com/coe/naac2020/Criteria2/>

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)

1.02

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

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

3.1.2.1 - Number of teachers recognized as research guides

8

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

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

2

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

3.2 - Innovation Ecosystem

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

The institute have formed the Institutions Innovation Council Cell which was headed by dr V N Patil.Council set in 2019-20 and

participated in different competitions like SIH, IICDC etc. Many faculties and students attended online MIC - sessions on start-up Innovations. We have Industry Institute interaction and I connect cells connected with IIC in this academic year (2021-22). The detailed report of IIC is also uploaded for additional information.

The institute provides support in terms of financial, academic, infrastructural facilities, human resources required and timely administrative decisions to enable students and staffs for participating in the various technical activities. The activities such as SUPRA, BAJA, GOCART, ROBOTICS, EFFICYCLIC, ENDEAVOUR, Garudashwa, are financially supported by the institute. Since last five years the institute is participating in various completions at national and international levels. For preparation of the competition, a special facility like special internet line, library and the workshop facilities has been given 24 x 7 to all the enrolled students. Required infrastructure in terms of space, equipment and support facilities are available in the campus for the competition.

<http://aissmscoe.com/startup-innovation-cell/introduction/>

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

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

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

14

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

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

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

03

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

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

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

85

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

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

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

32

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

3.4 - Extension Activities

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

Institute mainly focuses on service to society through quality education. To meet this vision, institute facilitates the student in various social and technical activities. Institute has conducted social and technical activities for sensitising and motivating the students to social issues with holistic development. Social activities includes blood donation camp, swachha bharat abhiyan, green campus, tree plantation, traffic rule awareness, road safety awareness program etc and many more such programmes through NSS. Similarly to enhance the technical knowledge of students, institute provides and permits the students to participate in the various national and international technical events and competitions such as BAJA, Supra, Epicycle, Go-kart, Garudashwa, Aeromodeling etc.

Various student chapters under various professional bodies were formed for the students at departmental levels. Students actively participate and organises various events through these chapters as per the departmental needs and requirements for overall development of students.

Technical activity enhances the technical knowledge of student in the field of design, analysis, manufacturing and testing of different vehicles. Through these activities student improves their qualities such as time management, project management, costing, marketing skills, event management, communication skill etc. Similarly social activities enhances and creates social awareness and responsibilities in the students.

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

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

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

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

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

22

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

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

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

2539

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

3.5 - Collaboration

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

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

521

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

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

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

43

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The infrastructure has adequate facilities to fulfill the norm laid by the AICTE, DTE, SPPU..The physical infrastructure consists of 38 classrooms, 9 tutorial rooms, 74 laboratories and 8 seminar halls.. Classrooms and seminar halls have LCD projector, Internet

connectivity, Digital smart board, well finished furniture, ventilation, and luminance. Laboratories are equipped with state of the art machines/equipment like Chassis Dynamometer, Universal testing machine, , etc. Laboratories consist of open source and latest proprietary software such as like MatLab, ANSYS, AUTOCAD, etc. Recently we had purchased hydraulic circuit Trainer, Pneumatic circuit trainer, and many more The institute has central Research laboratory with an Environmental discovery system (EDS), for waste water treatment and water purification process. The workshop consists of, fitting, carpentry, welding, black smithy and tin smithy shops. The institute has massive network of 975 computers with 500 Mbps band width. And Centralized firewall Cyber-roam. Enterprise resource planning (ERP) and SLIM 21 is for automation in institute... For the physically impaired (Divyangjan) students, institute provides Ramps and elevator and other facilities. For identifying malicious activities in campus, the Electronic surveillance system has been installed. Separate housekeeping and security agencies have been appointed for security and cleanliness of Institute

File Description	Documents
Upload any additional information	View File
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.

Institute have a well-established Gymkhana Department for effective and better coordination of various sports and cultural activities Institute have facilities for outdoor games, indoor games and culture activities During COVID-19 pandemic. FIT INDIA HIT INDIA 21 Days Fitness Challenge, FIT INDIA FREEDOM RUN from 5th Oct. 2020 to 11th Oct. 2020 is organized where total 144 people participated keenly in the event and they covered 1197 KM distance. 'YOGA WEEK-2021' on the occasion of the '7th International Day of Yoga'. is arranged. Various cultural activities are arranged mainly Quarantine's Got Talent and UNLOCK 2020. After an immense response for the talent showcase activities, we arranged a premiere of our one act comedy play, Band Bajaa Halad (??? ???? ???) on 25th July 2020. Shab-E-Ranj, is a Hindi one act play based on the incident that took place in the Kashmir Valley and many Kashmiri Pandits were left without shelter. This play was premiere don 17th September 2020 on YouTube The society and institute fully support and encourage

various sports and cultural activities with the motto that every student should, not only be academically fit but also physically fit to face the challenges of the society after they complete their education from the institute.

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

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

46

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://aissmscoe.com/coe/naac2020/Criteria4/4.1.3
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

660.16

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

Integrated Library Management System is used to manage different functions of the library. The library is automated with System with Library Information Management (SLIM) software having version 21. SLIM21 helps catalog books, e-books, articles, reports, and publications. This software has modules like Acquisition, Cataloguing, Circulation, and Serial Control. Acquisition modules & Cataloguing Module is utilized to generate accession register reports, add Bulk student records, and update item lending policy and its status. The circulation module has books issue, return, and reserve options. SLIM21 software also provides the statistical analysis required for the Library Management system. The number of transactions carried out through this software in the academic year 2017-18, 2018-19, 2019-20, 2020-21, 2021-22 (transactions up to March 2022) is 28835, 21282, 12387, 1086 (Physical Library was closed during Covid), 3888 respectively. The Library web OPAC link is provided on the college website under the facilities page <https://aismscoelibrary.weebly.com/library-opac--collection.html> to students and faculty for renewal of books searching library materials. The remote access facility has been enabled under the Knimbus platform <https://aissmscoelibrary.weebly.com/digital-library-remote-accessir.html>. Digital Library Collection, Rare Books, open Sources books, previous year question papers, College News, and daily online newspapers are available for students and faculty through open-source software Calibre.

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

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources A. Any 4 or more of the above

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

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

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

30.56

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

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

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

24.70

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

The institute has a very strong IT infrastructure to meet AICTE and University standards. Institute has 6 system software and 62 application software. Application Software such as MATLAB, ANSYS, etc. is available at institute level. Software is updated continuously, such as MATLAB is updated from version 10 to 16, ANSYS

is also updated from version 10 to 17, etc. laboratories are continuously updated with latest version of computers such as i3, i5 and i7. Institute has well established language lab to enhance communication skills. High ends IBM Xenon, HP pro ML10 GB, Window server are available Learning Management System (LMS)-Moodle is available. The institute has massive network of 975 computers with 500 Mbps Internet connectivity and Wi-Fi facility Centralized firewall Cyber roam is used Internet security. The institute has deployed the educational Enterprise Resource Planning (ERP) software with 20+ modules The Institute has separate centralized maintenance system.. Central computing facility with 100 Intel core i3 computers with speed Internet connectivity is available. LAN facility: 3-Layer Switching (Core, Distributed and Access) network is available for the entire campus. Core layer switches in the buildings have been connected with the Optical Fiber Ring Network.,where 100/1000 Mbps (Gigabit Switches) are installed

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

4.3.2 - Number of Computers

975

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

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

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

4.4 - Maintenance of Campus Infrastructure

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

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

660.16

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

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

The institute follows standard established protocols and procedures to maintain the physical, academic, and support facilities as outlined in the institute's maintenance policy statement. The many components of the utilisation and maintenance of the physical, academic, and support facilities are overseen by college-level committees. General civil maintenance, Repair and Maintenance of laboratory are initiated by the respective concerned In charge as and when required. History cards of the equipment are maintained, which indicate the maintenance/repair/calibration of the respective equipment. A budget is annually allocated for maintenance of the physical facilities of the institute. The classrooms, laboratories, seminar halls, and library facilities are utilized regularly. Fumigation of the entire institute is done frequently by third party housekeeping agency. The institute garden is maintained by the gardener appointed by the society. All the computer related facilities are maintained by giving annual maintenance contract to third party. The maintenance of water coolers, EPABX system, and Air conditioners in the institute is carried by external agencies. The sports facility of the institute is handled by a physical director. The institute has large open grounds for cricket, football, volleyball and basketball and a gymnasium . Emergency exits and fire fighting system are provided

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

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

1931

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

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

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

191

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

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

A. All of the above

File Description	Documents
Link to Institutional website	https://aissmscoe.com/coe/naac2020/Criteria5/
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

4127

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

4127

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

A. All of the above

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

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

413

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

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

5.2.2.1 - Number of outgoing student progression to higher education

49

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

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

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

48

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

5.3 - Student Participation and Activities

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

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

16

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

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

The aim of forming the General Students' Association (GSA) is to involve the students in academic, co-curricular & extracurricular activities. Through these activities, GSA members learn planning,

organization, analysis, estimation, and execution along with troubleshooting, which helps in their comprehensive development. We have General Secretary and Joint GS selected by the respective department.

The GSA is governed by a committee of faculty members headed by the Principal of the college. The GSA is further sub-divided into committees as mentioned below.

Following is the narrative of functions and events conducted by various Committees:

Student Grievance: This committee addresses student grievances and maintains harmony and discipline among the students

Anti-Ragging: This committee ensures zero ragging incidents in the Institute and also spreads awareness among students against any type of ragging activity.

Cultural: This committee coordinates various cultural activities and events throughout the year.

Magazine: 'Shivdarpan' is our annual magazine published by the Magazine committee.

Technical Activities: Every Department is having an active Student chapter associated with The Institution of Engineers, India.

Extension Activities: Any education is incomplete without social awareness. "NSS Committee" is active in carrying out different activities.

Coffee with Alumni: For interaction with alumni an event named "Coffee with Alumni"

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

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

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

participated during the year

20

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

5.4 - Alumni Engagement

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

During the academic year 2020-21, due to the pandemic situation, an initiative was taken by individual departments to conduct online alumni meets. These online meets were a great success and it was upheld by alumni. As the platform was online, the alumni located globally could attend and exchange their views. Alumni extended their cooperation in conducting the expert lectures, carrier guidance, and acting as a mentor.

Prominent alumni conducted online expert lectures on career guidance, overall development, technical topics, etc benefited the students.

The new initiative for interaction with alumni an event named "Coffee with Alumni" was designed by the college for the current students, alumni and faculty. All the departments were covered under this initiative. Fifteen such programs were conducted successfully and more than 1000 student participants benefited. Where distinguished alumni from various streams interacted with current students and guided and share their experiences.

File Description	Documents
Paste link for additional information	https://aissmscoe.com/coe/naac2020/Criteria5 /
Upload any additional information	No File Uploaded

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

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

During Ay 2020-21, COVID-19 has turned the world upside down. It impacted also on methodology in operation of academic institution. With enormous alignment to changing situation AISSMS COE greatly allied with online and off line mode of operation, maintained the continuous, improved and motivational work culture in administration, governance and leadership, and excelled in to the academics. As the institute vision and mission is futuristic in nature, they satisfy the needs of society by providing quality education through leading-edge technology. Vision and Mission of the Institute focuses on the needs of society by providing quality education. The governance comprising of Governing Body (GB), Governing Council (GC), College Development Committee (CDC), Departmental Advisory Board (DAB), Internal Quality Assurance Cell (IQAC). These all play significant role in the evolutionary reforms towards positioning the Institute in the preferred list of all stake holders. The members of these committees are from the various fields of the society. The Institute believes in promoting a culture of delegation of powers through strategic policies. The Principal of Institute is assisted by HODs, Administrative Head, Section in-charges and coordinators of various committees in decision making process at the Institute.

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

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

We at AISSMS COE, believes that, the carefully planned, effectively implemented and appropriately managed, decentralised governance will definitely lead to improvements in institute welfare and enhance human development. The Institution has culture of decentralized governance system with well-defined inter-relationships. Institute delegates adequate and systematized authority to the departments to work towards decentralized governance system. Academic responsibilities are fairly divided among all the faculty and these responsibilities are mentioned in the academic calendar of every department. There are various committees involving faculty which are constituted to manage different institutional activities. Committees are formed for the various curricular, co-curricular and extra-curricular activities to be conducted during the academic year. The departments are encouraged to arrange various activities with the support of Management for the benefit of Students and Faculty. Strategic budgetary and purchase plans for lab development proposed by Faculties and Lab Incharges through HOD are executed with the support of Management.

College is keen on the involvement of staff for improvement of effectiveness and efficiency of the institutional process. The Institute has always been in favor of participative management. The management ensures that the faculty members and staff are represented in the college committees by participatory management.

File Description	Documents
Paste link for additional information	https://aissmscoe.com/wp-content/uploads/2021/01/ILC-for-website-update.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The strategic planning time to time made, helped for producing quality engineers, enhancing growth of employees and hence overall growth of the institution. Strategic planning is done periodically and well established process is implemented for its successful outcome. The Major focus of the strategic plan is planning and implementing measures to excel in building quality infrastructure, achieving growth of individual faculty, transparency in academic governance, all round development of students, and strong relations with industry and R & D establishments. The various institutional strategies deployed are in various areas. Offline to Online Transformation, in Admission process, Industry Institute Interaction, Human resource Management , library, Research and development, Examination and Evaluation, Curriculum Development and Teaching and Learning. During 2020-21, the progress of teaching learning process, is monitored periodically using Google form and is shared with the Institute head and Department HOD. The academic coordinator monitors the following teaching learning activities: 1. Conduct of lectures and practical classes per the time table 2. Coverage of the curriculum as per the syllabus 3. Continuous assessment (CAS) of the practical 4. Conduct of project and seminar presentations 5. Conduct of the unit tests as per the plan 6. Analysis of test results.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

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

For smooth functioning of the institution, various bodies formulated are continued their working during year 2020-21 also. AISSMS College of Engineering has well established organizational structure to execute smooth functioning of administrative and academic processes. Various bodies are formulated which constitutes the organization chart. The governing body is the highest decision making body constituting members of the management, Principal and nominated faculty members. College Development Committee (formerly Local Management committee) includes representatives of members of society, Principal, three members elected from teaching faculty and one member of non-teaching staff.

Every department has Department Advisory Committee to direct policies to excel students in academics and in work environments. The advisory committee evaluate the performance of a program, review/monitor/assess a specific program and serve as advisor for the department. it provide feedback to the organization based on the inputs received from various stakeholders time to time. It comprises one member each from industry, research establishment, and academic institute of repute, alumni, student, and parents and from management. The members of various committees including Principal, Heads of the Departments, sectional heads and co-coordinators of various committees have adequate participation in making decisions in academic and administrative processes under their purview.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://aissmscoe.com/coe/naac2020/Criteria6/
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The institute offers various welfare schemes to the staff. The Teaching and non teaching Staff are part of welfare schemes that are in accordance with their service condition. The wards of the in-service teaching faculty are admitted to the College within applicable guidelines. The Teaching and non teaching Staff are members of the Credit Society. Sports facilities are provided to them and their family. Following are the list of welfare support give to teaching and non teaching staff

- Deputation of faculty for research and Ph.D. work
- Maternity leaveGratuity
- Group Insurance
- Free medical facility is provided to students, staff and faculty
- EPF facility
- Credit Co-operative Society facility for AISSMS COE Employees

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

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

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

11

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

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

68

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	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

739

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

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

We believe that unless we acquire quality in teaching it is indispensable for improving student outcomes and achievements. Institute has continued with well designed performance appraisal system. It is implemented with the help of performance appraisal

reports (PAR) which evaluates overall performance. Performance is self assessed and duly filled in PAR by Faculty and Staff at the end of every semester. PARs are then evaluated by respective HODs /Section heads and Principal. PAR system inspires faculty which boosts professional knowledge and growth. it evaluates following.

I. Teaching, learning and evaluation related performance (number of theory, practical and tutorial is done against the load given)

II. Co-curricular, extension and professional development related activities (Extension/co-curricular, Professional Development related Activities and Contribution to Management of Institution)

III: Research, publications and academic contributions

IV. Official conduct (target based works, punctuality and obedience) and other relevant information related to awards received and additional activities not included above

Performance Appraisal System for nonteaching staff is monitored on the basis of parameters observed viz. sincerity, obedience, attitude towards co-workers and technical workability (laboratory assistants). Based on the reviews the annual increments are granted.

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

6.4 - Financial Management and Resource Mobilization

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

The Institution conducts internal and external financial audits regularly. Audit is conducted by the auditor appointed by the AISSMS Society. The Accounting Committee looks after the financial audit and it is presented to the external auditors (Chartered Accountant). In each financial year internal and external audits were carried out.

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

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

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

18,36,400

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

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

The institute has well defined strategy for effective mobilization of funds and optimal utilization of resources. Institute budget is prepared every year after compiling requirement regarding recurring and non-recurring expenditure. All the major financial decisions are approved by institute CDC formerly Local managing committee (LMC) and Governing Body (GB) which comprises of institute authorities and members of AISSM society. The budget is discussed in LMC and forwarded to approval to GB of the institute. The resolution of the LMC and GB regarding approval for budget is forwarded to managing committee and Governing council (GC) of AISSM society for final approval of budget to utilize during academic year under various heads.

The purchase procedure such as calling quotation, technical bid, preparing comparative statement and negotiation meeting are followed for effective and efficient use of available finance resources. In addition to this the account of each financial year of the institute is audited by internal and external auditors.

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

6.5 - Internal Quality Assurance System

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

IQAC of AISSMS COE has been contributing significantly in institutionalising the quality assurance strategies and processes. Following are the key aspects IQAC has focussed for improving quality of academics in the institute.

1. Conduction of meetings on regular basis with good involvement of stakeholders
2. Annual Report format shared with all departments to compile all the academics data
3. Annual "Stakeholders feedback and action taken report
4. Standard formats for all the feedback forms
5. Initiatives to promote research and innovation in the institute
6. Quality initiatives through various institute level committees
7. Preparations for NBA
8. Celebration of StartUp and Innovation Week and focus on IPR related activities through IIC
9. Induction sessions at the start of academic year for all classes including FE classes
10. Organisation of faculty development programs for institute and university teachers
11. Organisation of social activities through active NSS unit of the institute

File Description	Documents
Paste link for additional information	https://aissmscoe.com/wp-content/uploads/2022/03/MOM-ATR-for-A.Y.-2020-21.pdf
Upload any additional information	View File

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

incremental improvement in various activities

Institute has very active IQAC and institute level academic monitoring committee headed by institute level academic coordinator, through which all the academic activities including teaching learning processes and learning outcomes are monitored and various initiatives are taken to improve the quality of teaching imparted in the institute.

Institute has adopted outcome based education methodology and has been implemented through institute level academic coordinator, departmental academic coordinator and head of various departments.

Few major aspects of the teaching learning process, structure and methodologies in the institute are

1. Academic calendar and adherence with academic calendar
2. Setting of Course outcomes, program outcomes and program specific outcomes in line with the program outcomes set by NBA
3. Feedback system for evaluation of faculty from students
4. Students' result analysis
5. Review of all the academic and administrative processes through academic and administrative audits.
6. Identification of course contents for "Content to bridge the gap" and "Content beyond syllabus".
7. Feedback from stakeholders regarding curriculum are collected, summarised and forwarded to the respective board of studies of university.
8. Every department prepares annual report for academic and administrative audit (AAA) of the department.

File Description	Documents
Paste link for additional information	https://aissmscoe.com/stakeholders/
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the

B. Any 3 of the above

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)

File Description	Documents
Paste web link of Annual reports of Institution	https://aissmscoe.com/mechanical-engineering/annual-reports/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Gender equality is one of the key challenges facing society today. The institute conducts regular gender equity promotion programs. Guest speakers from prominent fields are invited to speak on the given topic, which highlights the importance and contribution of women in society.

AISSMS COE has constituted a 'Women's Grievance Cell' as per the orders of the Supreme Court (Vishaka Judgement), 'Sexual Harassment at Workplace Act, 2013' rules with the aim of promoting gender equality and women's empowerment among students and staff members. The cell takes care of the grievances of female members related to gender discrimination, violence, and sexual harassment.

The Institute has the following facilities:

- Safety and Security
- Security guards were stationed across the campus.

- Security checkpoints enter and exit.
- Extensive surveillance network control rooms
- Awareness campaigns on women's safety and gender sensitivity through street plays, rallies

by the NSS.

- Counseling
- Counseling male and female students and staff for academic and other issues/problems
- Grievance Committees for staff and students
- Entrance Exam Counseling, Orientation Programs for Teachers and Students
- Medical, moral, career, and village counselling through camps
- Common Rooms:
- Common rooms have been allocated for men and women, which facilitate meetings and discussions.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://aissmscoe.com/coe/naac2020/Criteria7

7.1.2 - The Institution has facilities for

A. 4 or All of the above

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

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

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

Solid Waste management

Institute practices segregation of waste at source. Dry Waste and wet waste is separated. The wet organic waste is decomposed to bio-gas using digester. The waste bins are placed at every corner of corridors, laboratories, etc.

Liquid waste management

Wastewater collected through laboratories is treated using cavitation technique. All the wastewater is collected through a centralized drainage system.

E waste management

All the Electronic waste is recycled through the vendor who is approved by government for E-waste collection. The students are motivated to reuse the electronic components for their project work.

Hazardous waste management

The wastewater generated from laboratories is not hazardous in nature. So, the management facility is not applicable to institute.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus **B. Any 3 of the above**

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

7.1.5 - Green campus initiatives include

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

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the **B. Any 3 of the above**

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

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

A. Any 4 or all of the above

5.

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

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

Rajarshi Chhatrapati Shahu Maharaj of Kolhapur founded the All India

Shri Shivaji Memorial Society with the goal of imparting military education to youngsters from low-income families. Our great fathers' vision was later carried further through the establishment of institutes of higher education.

Every year, the College hosts a variety of events on campus to promote tolerance, regional, linguistic, and community socioeconomic peace. We also host a variety of events to raise awareness about social concerns and rights.

Following events were organised to boost tolerance, harmony cultural, regional, linguistic, communal socioeconomic:

1. World Environment Day
2. Tree Plantation
- 3..World Food day
4. Cleanliness Drive
5. Krishi PragatiKaran Ani Badal
6. Health Check-up Camp
7. Women Literacy
8. Mask Distribution Drive
9. Rresperiomete Distribution Drive
10. COVID-19 Awareness Programme
11. Tobacco Deaddiction Programme.

All these events conducted by All India Shri Shivaji Memorial Society's College of Engineering, Pune-01, National Service Scheme unit under guidance of National Service Scheme coordinator and principal .In all events National Service Scheme Volunteers, students and staff took part enthusiastically which boost values in the students.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

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

The institution organises the following activities to increase sensitization of students and employees of the institution to the constitutional obligations: values, rights, duties, and responsibilities of citizens.

Tree Plantation- Our institute organised tree plantation programme ,NSS volunteers took an enthusiastic participation in the activity.

Spitting Kills Campaign - Our institute's NSS unit participated in "Spitting Kills Campaign" and created awareness regarding "SPITTING KILLS".

Human Rights Day- One week drive was held for awareness of human rights.

Cleanliness Drive-. Our institute NSS unit visited Kalyanvillage, Pune for cleanliness drive, cleaning the area around the school, temple of the village

Awareness - Tobacco Deaddiction- Our institute NSS unit conducted an awareness campaign among the students regarding De-addiction of tobacco, how it is harmful for body.

Health Check-up Camp - A health check-up camp has been set up in Kalyan (Pune) by NSS volunteers.

Road Safety Program -On the occasion of Republic Day, institute organised an activity named Road Safety Program at Deccan area at 09.00 am.

Pulse Polio Campaign -organised for three days.

Azadi Ka Amrut Mohatsav- Participated in the event, at Aga Khan Palace.

Blood Donation Camp SPPU- NSS volunteers participated in blood donation camp conducted by Pune University.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://aissmscoe.com/coe/naac2020/Criteria7
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 A. All of the above

4. Annual awareness programmes on Code of Conduct are organized

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

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

The All India Shri Shivaji Memorial Society was established by Rajarshi Chhatrapati Shahu Maharaj of Kolhapur with the vision of providing military education to children of lower income groups. Later on the institute of higher education were established to carry forward the vision of our great leaders.

The institute every year organises a number of functions in the campus to boost tolerance, harmony cultural, regional, linguistic, and communal socioeconomic. We also organize various activities to increase awareness of social issues and rights.:

Institution organizes every year various days, national festivals and birth anniversaries of the great Indian personalities, which are as follows:

1. World Environment Day

2. Kargil Vijay Divas

3. Independence Day

4. Mahatma Gandhi's Jayanti.

5. World Food Day

6. World AIDS Day

7. Human right Day

8. Republic Day

9. SPPU Foundation Day

10. Shivjayanti.

11. Shivswarajya Din

All these events conducted by All India Shri Shivaji Memorial Society's College of Engineering, Pune-01, National Service Scheme unit under the guidance of National Service Scheme coordinator and Principal. In all events National Service Scheme Volunteers, students and staff took part enthusiastically which boost values in the students.

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

Any technical institution's objective is to generate talented, globally competent individuals who are available for immediate work through quality technical education. Our institute launched the One Faculty, One Industry Drive to attain this goal. In which each faculty member of the institute chooses an industry related to their field of interest and organises numerous activities to expose students and teachers to that industry. We did numerous initiatives under this practise last year as well, such as online FDPs, virtual industry visits, online workshops, webinars, value-added courses, and MOUs with various industries.

The library's mission is to create a conducive environment for teaching and learning. The library hosts a variety of events to encourage students to develop a reading habit that will benefit their overall academic development process. The library's best practises are the "Best Library Reader Award". Institute library team organises national and international conferences, workshops, and assists in branding the institute's recognition globally. Other activities conducted are: running an NPTEL local chapter, conducting author meet programs, subscribing to quality E-resources, E-books, and remote access platforms. DELNET access, NDLI Club, plagiarism software access, library blog, Google Class Room platform, etc. The Librarian is working as the DOAJ Ambassador of India.

File Description	Documents
Best practices in the Institutional website	https://aissmscoe.com/coe/naac2020/Criteria7
Any other relevant information	https://aissmscoe.com/coe/naac2020/Criteria7

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

PROVIDING GLOBAL PLATFORM TO STUDENTS FOR ENHANCEMENT OF TECHNICAL COMPETENCY

AISSMS College of Engineering consistently provides motivation, support & platform for students to showcase their skills & knowledge in various competitive Technical Events. It hosts various technical teams like Resonance Racing (BAJA, SUPRA, Go-Kart, Effi-Cycle) & Team Garudashwa (SAE Aero Design). This helps the students to deal with the problems that engineers have to face in real world scenarios by conceptualising, designing, fabricating & testing the fabricated prototype. Institute provides necessary funds & resources required to strengthen such activities which helps students to enhance technical competency.

Team Garudashwa is one of the prime student clubs which participates in various International & National Aero Design Competitions. Simultaneously, the team also intends to create awareness amongst the students from various colleges by conducting workshops and hands on training.

Objectives:

1. To inculcate multidisciplinary working culture amongst students.
2. To develop entrepreneurial, leadership & project management qualities required to achieve greater goals.
3. Enrich design, fabrication, testing and presentation skilled students.
4. To understand the professionalism and ethical values.
5. Acquire knowledge and understanding of engineering and management principles to develop ability to engage in independent and life-long learning.

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 AISSMS is affiliated to SPPU Pune. Principal receives inputs through IQAC, Department Advisory Board and Academic Coordinator. Based on inputs Institute prepares the academic calendar at the beginning of academic session. Departments prepare their Department Academic calendar in line with Institute Academic Calendar.

Both Academic-calendars consist of curricular, co-curricular and extracurricular activities for effective implementation and delivery of curriculum. The teaching plan of teachers contains outcome base course curriculum frame work, including Unit-wise learning outcomes and test problems mapped to COs. The Closed loop system of effective curriculum delivery is revealed in enclosed documents.

At the end of semester CO & PO mapping and assessment is done. Assessed outcomes of the program reveal the weakness and strength of course delivery components helping teachers to modify course-delivery methods. Unit-wise Tests are conducted and results are displayed. Periodical meetings of Head of the Departments are held with the Principal to discuss mid-term academic progress. Effective learning tools like Assignments, seminars, Guest lectures, project, PBL and industrial visits are the part of students learning.

Faculties are encouraged to participate in UGC/AICTE sponsored Career-Oriented Courses/workshops/training programs. Short Term Courses and Soft Skill programs are conducted for the overall development of students.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://aiissmscoe.com/coe/naac2020/Criterial/

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

The Academic calendar is prepared by Academic coordinator in consultation with HoDs in line with affiliated University calendar and it is finally approved by the Principal. The academic calendar is prepared so that teachers should know all the activities regarding continuous internal evaluation process

In the beginning of the academic session the students are apprised of Academic calendar and is uploaded on college website and displayed on notice boards.

Only Principal is allowed to do minor changes in academic calendar which he may deem fit considering the unforeseen circumstances, for instance. Several changes made on examination dates as per directives by the University especially during COVID pandemic.

Based on Academic calendar issued by the Principal, the departments also make their own academic calendar and circulated to all students and faculty members. Department calendar is more specific, having details like internal evaluations: class tests, assignments, industrial visits etc.

The course teachers announce the syllabus/Curriculum plan, Course outcomes and Course objectives and display question banks, Class tests and assignments. Assignments are submitted by students as per the dates given in academic Calendar and sometimes by course teachers. During online teaching Microsoft teams platform was used for lecture, giving assignments, conducting tests etc.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://aissmscoe.com/coe/naac2020/Criterial/

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

A. All of the above

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

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

1.2 - Academic Flexibility

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

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

15

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

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

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

163

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

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

183

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

1.3 - Curriculum Enrichment

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

The present curriculum has integrated Gender, Environment and Sustainability, Human Values and Professional Ethics through forty five core courses addressing above issues are included in the curriculum of various programs (e.g. humanities and social sciences, environmental engineering, air pollution and control, disaster management, industrial management and entrepreneurship, soft skills, energy audit management, human rights etc.) for holistic development of the students.

The Institute has established a National Social Service (NSS) under the SPPU. NSS organizes activities related to Environment and Sustainability like Swachha Bharat Abhiyan, Tree Plantation, Plastic Kachra Mukta Abhiyan, Disaster management Training. Blood Donation Camps are organized under human value activities. Guest lectures are also arranged on cross cutting issues like human rights and health related issues. Professional ethics are imbibed amongst students by encouraging them to participate in the professional activities like seminars, conferences, workshops, tech fests. At the 16 th National level Students Symposium AISSMS Engineering Today was organized with, Twenty four different events were conducted. Students' Chapters of several professional organizations have been established to enhance technical and social awareness among students. The institute has active Entrepreneurship Development Cell (EDC) which nurtures the spirit of entrepreneurship. Total eight Entrepreneurship Awareness Camps have being organized in 2020-21.

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

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

31

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
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	View File
Institutional Data in Prescribed Format	View File

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

2573

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

1.4 - Feedback System

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

A. All of the above

**from the following stakeholders Students
Teachers Employers Alumni**

File Description	Documents
URL for stakeholder feedback report	https://aissmscoe.com/stakeholders/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://aissmscoe.com/coe/naac2020/Criterial/

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

641

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

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

298

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

2.2 - Catering to Student Diversity

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

Once First year admissions are over, the compiled data of new students was collected from ERP. This data helps to know the student's academic and family background, skills learnt in school/junior college, the hobbies/interest in various fields. The analysis of the data helps to evaluate the learning level of each student. Guardian faculty member (GFM) along with subject teachers identified slow and advanced learners on the basis of performances in class tests. Class test on every unit were conducted regularly during each semester.

Department of First year Engineering (FE) had conducted e-Student Induction Program (eSIP) for one week from first semester of AY 2020-2021. Activities conducted during eSIP were Yoga, Motivational Talk, Health awareness etc. Weekly virtual meetings of GFM, Mentor and teachers of respective were conducted. This helps them to understand the student learning levels. Based on this evaluation special activities are undertaken as per need. For higher classes individual departments carry out activities for advanced and slow learners. The activities like Virtual Industry visits, In-house mini-projects were conducted for Advanced learners. Extra lectures, Special Notes etc are some of the activities conducted for Slow learners. College had made provision of soft skill training and counseling for students.

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

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

Number of Students	Number of Teachers
3188	161

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Various instructional methods and pedagogical initiatives are adopted for student centric methods in Covid-19. Teachers have developed e-content, YouTube videos and posted it on Google classrooms and Microsoft teams. Practical of some subjects are conducted through virtual lab. Virtual tours are conducted instead of actual site visits. Online expert lectures, student development programs and webinars are conducted.

The following teaching and learning methodologies are used in online mode;

- Project based learning: A team of 3 to 6 students works cohesively on a project/problem.
- Active learning: The faculty adopt active learning by involving students in the learning process more directly through activities like brain storming, quiz, debate.
- Collaborative Learning: The student teams work jointly to solve a problem, complete a task/project, participating in debates or design a product under college clubs.
- Inquiry-based Learning: Students are encouraged to search and make use of resources beyond the classroom for investigation of open questions/problems.
- Experiential learning: Field based experiential learning like Internship, service learning and class based experiential learning such as simulation, games are practiced.

Cooperative, Problem based and Peer Led Team methodologies are effectively implemented in online mode. Students were encouraged to do online courses like NPTEL.

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

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

The classrooms and laboratories are ICT enabled with projectors installed and the campus is enabled with high speed wi-fi connection. Integration of ICT in teaching has very important significance on the learning attitude of students, creativity, knowledge construction, learning environment, teaching strategies, problem solving skills and understanding concepts using various tools. The ICT tools used by faculty are:

Microsoft Teams/ Google applications: Online teaching conduction, to manage and post course related information like notes, assignments, question bank on all units, reference material, quiz, tests, Lab manuals, Lecture videos, animated videos, etc are shared to students through Microsoft Teams/ Google applications.

Virtual Labs and simulation software: Along with laboratory experiments prescribed by university syllabus, one or more additional virtual lab experiments (from IIT web portal) are conducted for a few labs. Also, different softwares like MATLAB,AUTOCAD, etc; are used to carry out experiments in the laboratory.

Online drawing tools like Wacom tablet ,concept maps, mind maps are used to teach mathematical subjects and drawings.

Various tools like PPT enabled with animations and simulations, smart boards, demonstration videos are used to improve the effectiveness of the teaching- learning process.

Online quizzes and polls are regularly conducted to record the feedback of students.

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

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

2.3.3.1 - Number of mentors

150

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

2.4 - Teacher Profile and Quality

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

161

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

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

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

44

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

1932

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

2.5 - Evaluation Process and Reforms

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

For the entire academic year, the floating of academic assignments, their assessment, and declaration of the results was done via online mode. The institute had carefully designed and implemented the parallel internal assessment mechanism specifically to address the covid-19 scenario.

Though the online classes were conducted on Microsoft teams platform, different platforms such as Moodle, Google classroom were used for conducting class tests and sharing material. Internal examinations were planned after the completion of each unit in the academic calendar and executed as per schedule. Both subjective and objective types of examinations were conducted by designing Google forms and quizzes. The teachers suggested modification by writing comments. Students could check the grades and the comments immediately after the assessment. Thus, the transparency and rigor in the internal assessment were

maintained.

The performance of each student for practical sessions was recorded weekly in the Continuous Assessment Sheet (CAS) in front of students by sharing the sheet online. Online game-based learning platforms such as Kahoot, quizizz were used.

Project progress review presentations were arranged twice in a semester on Microsoft teams platform to review the progress of project work and evaluation sheets were maintained.

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

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

The institute has adopted a fair and transparent process prescribed by the affiliating university for the evaluation of students. There is a well-defined mechanism for the grievance redressal related to the formative assessment by the institute. To address all examination and evaluation-related problems, Institute has appointed a College examination officer (CEO) as per the directives of SPPU. An aggrieved student makes an application to CEO and he addresses it as per the stipulated norms.

The CEO forwards the grievance to the respective department. Whenever the grievance is reported regarding the internal evaluation, the concerned HoD along with the concerned subject teacher shows the carefully maintained CAS record to the aggrieved student and tries to resolve the grievance.

An examination in charge is appointed in each department that coordinates with the CEO. During the covid-19 period, when all the examinations were conducted online, departmental examination in-charge has played a vital role. He was empowered to address the minor issues raised by students related to examinations. Students forwarded the grievances regarding any difficulty in log-in or submission of the answers to the department exam in charge. The in-charge would immediately address the grievance by consulting the HOD and the CEO.

File Description	Documents
Any additional information	View File
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.

Institute has well defined Vision and Mission. Each program has a set of meticulously designed programme outcomes (PO) and program-specific outcomes (PSO). Every course of every programme has 3 to 6-course outcomes (CO).

All stakeholders are involved in the process of defining the vision, mission, POs, and PSOs of the institute and the department. Head of the department and teachers discuss and frame POs and PSOs of the programs which are in line with Graduate Attributes and Vision, Mission of the Institute.

The Head of the institution delivers addresses to all newly admitted first-year students and their parents in the induction program. During this address institute's vision, mission, and program objectives are stated.

Every course teacher discusses expected course outcomes with students at the beginning of each semester.

Apart from this, POs and PSOs are displayed for all stakeholders at the following locations:

- Institute website
- HOD cabins
- Notice Boards
- Department laboratories
- Department Library
- Seminar halls
- Admission Broacher

- Broacher of various events such as FDPs, training programs, student competitions
- Laboratory manuals
- Students' journal
- Course files of teachers

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://aissmscoe.com/about-us/college-profile/
Upload COs for all Programmes (exemplars from Glossary)	View File

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

The PSOs, POs, and COs are designed using a top-down approach. The program-specific outcomes are in tune with the expectation of the professional bodies and society. The program outcomes are in line with the graduate attributes defined by UGC. To meet these program outcomes, the curriculum is designed by SPPU. Each course has specific measurable course outcomes. Each course has 6 units and each unit relates to a specific course outcome. Each course outcome is mapped with the POs, and program-specific objectives. While calculating the attainment level bottom to top approach is used. For each course, the attainment level of all course outcomes is based on the student performance in the internal and external examinations. Similarly, the feedback at the end of the course is taken to assess the course outcome indirectly. Thus, the CO attainment is a combined result of a direct and indirect assessment. Besides this, the exit survey is taken from students for indirect assessment of the POs. The alumni and employer surveys are taken for indirect assessment of the PSOs.

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

2.6.3 - Pass percentage of Students during the year

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

846

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://aissmscoe.com/chemical-engineering/annual-reports/

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://aissmscoe.com/coe/naac2020/Criteria2/>

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)

1.02

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

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

3.1.2.1 - Number of teachers recognized as research guides

8

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

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

2

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

3.2 - Innovation Ecosystem

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

The institute have formed the Institutions Innovation Council Cell which was headed by dr V N Patil.Council set in 2019-20 and

participated in different competitions like SIH, IICDC etc. Many faculties and students attended online MIC - sessions on start-up Innovations. We have Industry Institute interaction and I connect cells connected with IIC in this academic year (2021-22). The detailed report of IIC is also uploaded for additional information.

The institute provides support in terms of financial, academic, infrastructural facilities, human resources required and timely administrative decisions to enable students and staffs for participating in the various technical activities. The activities such as SUPRA, BAJA, GOCART, ROBOTICS, EFFICYCLIC, ENDEAVOUR, Garudashwa, are financially supported by the institute. Since last five years the institute is participating in various completions at national and international levels. For preparation of the competition, a special facility like special internet line, library and the workshop facilities has been given 24 x 7 to all the enrolled students. Required infrastructure in terms of space, equipment and support facilities are available in the campus for the competition.

<http://aissmscoe.com/startup-innovation-cell/introduction/>

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

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

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

14

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards	
3.3.1 - Number of Ph.Ds registered per eligible teacher during the year	
3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year	
03	
File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File
3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year	
3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year	
85	
File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File
3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year	
3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year	
32	
File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

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

Institute mainly focuses on service to society through quality education. To meet this vision, institute facilitates the student in various social and technical activities. Institute has conducted social and technical activities for sensitising and motivating the students to social issues with holistic development. Social activities includes blood donation camp, swachha bharat abhiyan, green campus, tree plantation, traffic rule awareness, road safety awareness program etc and many more such programmes through NSS. Similarly to enhance the technical knowledge of students, institute provides and permits the students to participate in the various national and international technical events and competitions such as BAJA, Supra, Epicycle, Go-kart, Garudashwa, Aeromodeling etc.

Various student chapters under various professional bodies were formed for the students at departmental levels. Students actively participate and organises various events through these chapters as per the departmental needs and requirements for overall development of students.

Technical activity enhances the technical knowledge of student in the field of design, analysis, manufacturing and testing of different vehicles. Through these activities student improves their qualities such as time management, project management, costing, marketing skills, event management, communication skill etc. Similarly social activities enhances and creates social awareness and responsibilities in the students.

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

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

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

11

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

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

22

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

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

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

2539

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

3.5 - Collaboration	
3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year	
3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year	
521	
File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File
3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year	
3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year	
43	
File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File
INFRASTRUCTURE AND LEARNING RESOURCES	
4.1 - Physical Facilities	
4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.	
The infrastructure has adequate facilities to fulfill the norm laid by the AICTE, DTE, SPPU..The physical infrastructure consists of 38 classrooms, 9 tutorial rooms, 74 laboratories and	

8 seminar halls.. Classrooms and seminar halls have LCD projector, Internet connectivity, Digital smart board, well finished furniture, ventilation, and luminance. Laboratories are equipped with state of the art machines/equipment like Chassis Dynamometer, Universal testing machine, , etc. Laboratories consist of open source and latest proprietary software such as like MatLab, ANSYS, AUTOCAD,etc. Recently we had purchased hydraulic circuit Trainer, Pneumatic circuit trainer, and many more The institute has central Research laboratory with an Environmental discovery system (EDS), for waste water treatment and water purification process. The workshop consists of, fitting, carpentry, welding, black smithy and tin smithy shops. The institute has massive network of 975 computers with 500 Mbps band width. And Centralized firewall Cyber-roam. Enterprise resource planning (ERP) and SLIM 21 is for automation in institute... For the physically impaired (Divyangjan) students, institute provides Ramps and elevator and other facilities. For identifying malicious activities in campus, the Electronic surveillance system has been installed. Separate housekeeping and security agencies have been appointed for security and cleanliness of Institute

File Description	Documents
Upload any additional information	View File
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.

Institute have a well-established Gymkhana Department for effective and better coordination of various sports and cultural activities Institute have facilities for outdoor games, indoor games and culture activities During COVID-19 pandemic. FIT INDIA HIT INDIA 21 Days Fitness Challenge, FIT INDIA FREEDOM RUN from 5th Oct. 2020 to 11th Oct. 2020 is organized where total 144 people participated keenly in the event and they covered 1197 KM distance. 'YOGA WEEK-2021' on the occasion of the '7th International Day of Yoga'. is arranged. Various cultural activities are arranged mainly Quarantine's Got Talent and UNLOCK 2020.After an immense response for the talent showcase activities, we arranged a premiere of our one act comedy play, Band Bajaa Halad (??? ???? ???) on 25th July 2020. Shab-E-Ranj, is a Hindi one act play based on the incident that took place in

the Kashmir Valley and many Kashmiri Pandits were left without shelter. This play was premiere don 17th September 2020 on YouTube The society and institute fully support and encourage various sports and cultural activities with the motto that every student should, not only be academically fit but also physically fit to face the challenges of the society after they complete their education from the institute.

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

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

46

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://aissmscoe.com/coe/naac2020/Criteria4/4.1.3
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

660.16

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

Integrated Library Management System is used to manage different functions of the library. The library is automated with System with Library Information Management (SLIM) software having version 21. SLIM21 helps catalog books, e-books, articles, reports, and publications. This software has modules like Acquisition, Cataloguing, Circulation, and Serial Control. Acquisition modules & Cataloguing Module is utilized to generate accession register reports, add Bulk student records, and update item lending policy and its status. The circulation module has books issue, return, and reserve options. SLIM21 software also provides the statistical analysis required for the Library Management system. The number of transactions carried out through this software in the academic year 2017-18, 2018-19, 2019-20, 2020-21, 2021-22 (transactions up to March 2022) is 28835, 21282, 12387, 1086 (Physical Library was closed during Covid), 3888 respectively. The Library web OPAC link is provided on the college website under the facilities page <https://aissmscoelibrary.weebly.com/library-opac--collection.html> to students and faculty for renewal of books searching library materials. The remote access facility has been enabled under the Knimbus platform <https://aissmscoelibrary.weebly.com/digital-library-remote-accessir.html>. Digital Library Collection, Rare Books, open Sources books, previous year question papers, College News, and daily online newspapers are available for students and faculty through open-source software Calibre.

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

<p>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</p>	<p>A. Any 4 or more of the above</p>
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File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

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

30.56

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

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

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

24.70

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

The institute has a very strong IT infrastructure to meet AICTE and University standards. Institute has 6 system software and 62 application software. Application Software such as MATLAB, ANSYS, etc. is available at institute level. Software is updated continuously, such as MATLAB is updated from version 10 to 16, ANSYS is also updated from version 10 to 17, etc. laboratories are continuously updated with latest version of computers such as i3, i5 and i7. Institute has well established language lab to enhance communication skills. High ends IBM Xenon, HP pro ML10 GB, Window server are available Learning Management System (LMS)-Moodle is available. The institute has massive network of 975 computers with 500 Mbps Internet connectivity and Wi-Fi facility Centralized firewall Cyber roam is used Internet security. The institute has deployed the educational Enterprise Resource Planning (ERP) software with 20+ modules The Institute has separate centralized maintenance system.. Central computing facility with 100 Intel core i3 computers with speed Internet connectivity is available. LAN facility: 3-Layer Switching (Core, Distributed and Access) network is available for the entire campus. Core layer switches in the buildings have been connected with the Optical Fiber Ring Network.,where 100/1000 Mbps (Gigabit Switches) are installed

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

4.3.2 - Number of Computers

975

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

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

660.16

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

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

The institute follows standard established protocols and procedures to maintain the physical, academic, and support facilities as outlined in the institute's maintenance policy statement. The many components of the utilisation and maintenance of the physical, academic, and support facilities are overseen by college-level committees. General civil maintenance, Repair and Maintenance of laboratory are initiated by the respective concerned In charge as and when required. History cards of the equipment are maintained, which indicate the maintenance/repair/calibration of the respective equipment. A budget is annually allocated for maintenance of the physical facilities of the institute. The classrooms, laboratories, seminar halls, and library facilities are utilized regularly. Fumigation of the entire institute is done frequently by third party housekeeping agency. The institute garden is maintained by the gardener appointed by the society. All the computer related

facilities are maintained by giving annual maintenance contract to third party. The maintenance of water coolers, EPABX system, and Air conditioners in the institute is carried by external agencies. The sports facility of the institute is handled by a physical director. The institute has large open grounds for cricket, football, volleyball and basketball and a gymnasium . Emergency exits and fire fighting system are provided

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

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

1931

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

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

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

191

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

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

File Description	Documents
Link to Institutional website	https://aissmscoe.com/coe/naac2020/Criteria5/
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year
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4127

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

4127

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent	A. All of the above
--	----------------------------

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

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

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

413

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

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

5.2.2.1 - Number of outgoing student progression to higher education

49

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

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

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

48

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

5.3 - Student Participation and Activities

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

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

16

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

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

The aim of forming the General Students' Association (GSA) is to involve the students in academic, co-curricular & extracurricular activities. Through these activities, GSA members learn planning, organization, analysis, estimation, and execution along with troubleshooting, which helps in their comprehensive development. We have General Secretary and Joint GS selected by the respective department.

The GSA is governed by a committee of faculty members headed by the Principal of the college. The GSA is further sub-divided into committees as mentioned below.

Following is the narrative of functions and events conducted by various Committees:

Student Grievance: This committee addresses student grievances and maintains harmony and discipline among the students

Anti-Ragging: This committee ensures zero ragging incidents in the Institute and also spreads awareness among students against any type of ragging activity.

Cultural: This committee coordinates various cultural activities and events throughout the year.

Magazine: 'Shivdarpan' is our annual magazine published by the Magazine committee.

Technical Activities: Every Department is having an active Student chapter associated with The Institution of Engineers,

India.

Extension Activities: Any education is incomplete without social awareness. "NSS Committee" is active in carrying out different activities.

Coffee with Alumni: For interaction with alumni an event named "Coffee with Alumni"

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

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

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

20

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

5.4 - Alumni Engagement

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

During the academic year 2020-21, due to the pandemic situation, an initiative was taken by individual departments to conduct online alumni meets. These online meets were a great success and it was upheld by alumni. As the platform was online, the alumni located globally could attend and exchange their views. Alumni extended their cooperation in conducting the expert lectures,

carrier guidance, and acting as a mentor.

Prominent alumni conducted online expert lectures on career guidance, overall development, technical topics, etc benefited the students.

The new initiative for interaction with alumni an event named "Coffee with Alumni" was designed by the college for the current students, alumni and faculty. All the departments were covered under this initiative. Fifteen such programs were conducted successfully and more than 1000 student participants benefited. Where distinguished alumni from various streams interacted with current students and guided and share their experiences.

File Description	Documents
Paste link for additional information	https://aissmscoe.com/coe/naac2020/Criteria5/
Upload any additional information	No File Uploaded

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

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

During Ay 2020-21, COVID-19 has turned the world upside down. It impacted also on methodology in operation of academic institution. With enormous alignment to changing situation AISSMS COE greatly allied with online and off line mode of operation, maintained the continuous, improved and motivational work culture in administration, governance and leadership, and excelled in to the academics. As the institute vision and mission is futuristic in nature, they satisfy the needs of society by providing quality education through leading-edge technology. Vision and Mission of the Institute focuses on the needs of society by providing quality education. The governance comprising of Governing Body

(GB), Governing Council (GC), College Development Committee (CDC), Departmental Advisory Board (DAB), Internal Quality Assurance Cell (IQAC). These all play significant role in the evolutionary reforms towards positioning the Institute in the preferred list of all stake holders. The members of these committees are from the various fields of the society. The Institute believes in promoting a culture of delegation of powers through strategic policies. The Principal of Institute is assisted by HODs, Administrative Head, Section in-charges and coordinators of various committees in decision making process at the Institute.

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

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

We at AISSMS COE, believes that, the carefully planned, effectively implemented and appropriately managed, decentralised governance will definitely lead to improvements in institute welfare and enhance human development. The Institution has culture of decentralized governance system with well-defined inter-relationships. Institute delegates adequate and systematized authority to the departments to work towards decentralized governance system. Academic responsibilities are fairly divided among all the faculty and these responsibilities are mentioned in the academic calendar of every department. There are various committees involving faculty which are constituted to manage different institutional activities. Committees are formed for the various curricular, co-curricular and extra-curricular activities to be conducted during the academic year. The departments are encouraged to arrange various activities with the support of Management for the benefit of Students and Faculty. Strategic budgetary and purchase plans for lab development proposed by Faculties and Lab Incharges through HOD are executed with the support of Management.

College is keen on the involvement of staff for improvement of effectiveness and efficiency of the institutional process. The Institute has always been in favor of participative management. The management ensures that the faculty members and staff are

represented in the college committees by participatory management.

File Description	Documents
Paste link for additional information	https://aissmscoe.com/wp-content/uploads/2021/01/ILC-for-website-update.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The strategic planning time to time made, helped for producing quality engineers, enhancing growth of employees and hence overall growth of the institution. Strategic planning is done periodically and well established process is implemented for its successful outcome. The Major focus of the strategic plan is planning and implementing measures to excel in building quality infrastructure, achieving growth of individual faculty, transparency in academic governance, all round development of students, and strong relations with industry and R & D establishments. the various institutional strategies deployed are in various areas. Offline to Online Transformation, in Admission process, Industry Institute Interaction, Human resource Management , library, Research and development, Examination and Evaluation, Curriculum Development and Teaching and Learning. During 2020-21, the progress of teaching learning process, is monitored periodically using Google form and is shared with the Institute head and Department HOD. The academic coordinator monitors the following teaching learning activities: 1. Conduct of lectures and practical classes per the time table 2. Coverage of the curriculum as per the syllabus 3. Continuous assessment (CAS) of the practical 4. Conduct of project and seminar presentations 5. Conduct of the unit tests as per the plan 6. Analysis of test results.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

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

For smooth functioning of the institution, various bodies formulated are continued their working during year 2020-21 also. AISSMS College of Engineering has well established organizational structure to execute smooth functioning of administrative and academic processes. Various bodies are formulated which constitutes the organization chart. The governing body is the highest decision making body constituting members of the management, Principal and nominated faculty members. College Development Committee (formerly Local Management committee) includes representatives of members of society, Principal, three members elected from teaching faculty and one member of non-teaching staff.

Every department has Department Advisory Committee to direct policies to excel students in academics and in work environments. The advisory committee evaluate the performance of a program, review/monitor/assess a specific program and serve as advisor for the department. it provide feedback to the organization based on the inputs received from various stakeholders time to time. It comprises one member each from industry, research establishment, and academic institute of repute, alumni, student, and parents and from management. The members of various committees including Principal, Heads of the Departments, sectional heads and co-coordinators of various committees have adequate participation in making decisions in academic and administrative processes under their purview.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://aissmscoe.com/coe/naac2020/Criteria6/
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The institute offers various welfare schemes to the staff. The Teaching and non teaching Staff are part of welfare schemes that are in accordance with their service condition. The wards of the in-service teaching faculty are admitted to the College within applicable guidelines. The Teaching and non teaching Staff are members of the Credit Society. Sports facilities are provided to them and their family. Following are the list of welfare support give to teaching and non teaching staff

- Deputation of faculty for research and Ph.D. work
- Maternity leaveGratuity
- Group Insurance
- Free medical facility is provided to students, staff and faculty
- EPF facility

- **Credit Co-operative Society facility for AISSMS COE Employees**

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

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

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

11

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

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

68

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	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

739

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

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

We believe that unless we acquire quality in teaching it is indispensable for improving student outcomes and achievements. Institute has continued with well designed performance appraisal system. It is implemented with the help of performance appraisal

reports (PAR) which evaluates overall performance. Performance is self assessed and duly filled in PAR by Faculty and Staff at the end of every semester. PARs are then evaluated by respective HODs /Section heads and Principal. PAR system inspires faculty which boosts professional knowledge and growth. it evaluates following.

I. Teaching, learning and evaluation related performance (number of theory, practical and tutorial is done against the load given)

II. Co-curricular, extension and professional development related activities (Extension/co-curricular, Professional Development related Activities and Contribution to Management of Institution)

III: Research, publications and academic contributions

IV. Official conduct (target based works, punctuality and obedience) and other relevant information related to awards received and additional activities not included above

Performance Appraisal System for nonteaching staff is monitored on the basis of parameters observed viz. sincerity, obedience, attitude towards co-workers and technical workability (laboratory assistants). Based on the reviews the annual increments are granted.

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

6.4 - Financial Management and Resource Mobilization

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

The Institution conducts internal and external financial audits regularly. Audit is conducted by the auditor appointed by the AISSMS Society. The Accounting Committee looks after the financial audit and it is presented to the external auditors (Chartered Accountant). In each financial year internal and external audits were carried out.

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

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

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

18,36,400

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

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

The institute has well defined strategy for effective mobilization of funds and optimal utilization of resources. Institute budget is prepared every year after compiling requirement regarding recurring and non-recurring expenditure. All the major financial decisions are approved by institute CDC formerly Local managing committee (LMC) and Governing Body (GB) which comprises of institute authorities and members of AISSM society. The budget is discussed in LMC and forwarded to approval to GB of the institute. The resolution of the LMC and GB regarding approval for budget is forwarded to managing committee and Governing council (GC) of AISSM society for final approval of budget to utilize during academic year under various heads.

The purchase procedure such as calling quotation, technical bid, preparing comparative statement and negotiation meeting are followed for effective and efficient use of available finance resources. In addition to this the account of each financial year of the institute is audited by internal and external auditors.

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

6.5 - Internal Quality Assurance System

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

IQAC of AISSMS COE has been contributing significantly in institutionalising the quality assurance strategies and processes. Following are the key aspects IQAC has focussed for improving quality of academics in the institute.

1. Conduction of meetings on regular basis with good involvement of stakeholders
2. Annual Report format shared with all departments to compile all the academics data
3. Annual "Stakeholders feedback and action taken report
4. Standard formats for all the feedback forms
5. Initiatives to promote research and innovation in the institute
6. Quality initiatives through various institute level committees
7. Preparations for NBA
8. Celebration of StartUp and Innovation Week and focus on IPR related activities through IIC
9. Induction sessions at the start of academic year for all classes includig FE classeses
10. Organisation of faculty development programs for institute and university teachers
11. Organisation of social activities through active NSS unit of the institute

File Description	Documents
Paste link for additional information	https://aissmscoe.com/wp-content/uploads/2022/03/MOM-ATR-for-A.Y.-2020-21.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of

operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Institute has very active IQAC and institute level academic monitoring committee headed by institute level academic coordinator, through which all the academic activities including teaching learning processes and learning outcomes are monitored and various initiatives are taken to improve the quality of teaching imparted in the institute.

Institute has adopted outcome based education methodology and has been implemented through institute level academic coordinator, departmental academic coordinator and head of various departments.

Few major aspects of the teaching learning process, structure and methodologies in the institute are

1. Academic calendar and adherence with academic calendar
2. Setting of Course outcomes, program outcomes and program specific outcomes in line with the program outcomes set by NBA
3. Feedback system for evaluation of faculty from students
4. Students' result analysis
5. Review of all the academic and administrative processes through academic and administrative audits.
6. Identification of course contents for "Content to bridge the gap" and "Content beyond syllabus".
7. Feedback from stakeholders regarding curriculum are collected, summarised and forwarded to the respective board of studies of university.
8. Every department prepares annual report for academic and administrative audit (AAA) of the department.

File Description	Documents
Paste link for additional information	https://aissmscoe.com/stakeholders/
Upload any additional information	No File Uploaded

<p>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)</p>	<p>B. Any 3 of the above</p>
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File Description	Documents
Paste web link of Annual reports of Institution	https://aissmscoe.com/mechanical-engineering/annual-reports/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Gender equality is one of the key challenges facing society today. The institute conducts regular gender equity promotion programs. Guest speakers from prominent fields are invited to speak on the given topic, which highlights the importance and contribution of women in society.

AISSMS COE has constituted a 'Women's Grievance Cell' as per the orders of the Supreme Court (Vishaka Judgement), 'Sexual Harassment at Workplace Act, 2013' rules with the aim of promoting gender equality and women's empowerment among students and staff members. The cell takes care of the grievances of female members related to gender discrimination, violence, and sexual harassment.

The Institute has the following facilities:

- Safety and Security
- Security guards were stationed across the campus.
- Security checkpoints enter and exit.
- Extensive surveillance network control rooms
- Awareness campaigns on women's safety and gender sensitivity through street plays, rallies

by the NSS.

- Counseling
- Counseling male and female students and staff for academic and other issues/problems
- Grievance Committees for staff and students
- Entrance Exam Counseling, Orientation Programs for Teachers and Students
- Medical, moral, career, and village counselling through camps
- Common Rooms:
- Common rooms have been allocated for men and women, which facilitate meetings and discussions.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://aissmscoe.com/coe/naac2020/Criteria7

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

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

Solid Waste management

Institute practices segregation of waste at source. Dry Waste and wet waste is separated. The wet organic waste is decomposed to bio-gas using digester. The waste bins are placed at every corner of corridors, laboratories, etc.

Liquid waste management

Wastewater collected through laboratories is treated using cavitation technique. All the wastewater is collected through a centralized drainage system.

E waste management

All the Electronic waste is recycled through the vendor who is approved by government for E-waste collection. The students are motivated to reuse the electronic components for their project

work.

Hazardous waste management

The wastewater generated from laboratories is not hazardous in nature. So, the management facility is not applicable to institute.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	View File

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

B. Any 3 of the above

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

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

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

B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

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

A. Any 4 or all of the above

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

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

Rajarshi Chhatrapati Shahu Maharaj of Kolhapur founded the All India Shri Shivaji Memorial Society with the goal of imparting military education to youngsters from low-income families. Our great fathers' vision was later carried further through the establishment of institutes of higher education.

Every year, the College hosts a variety of events on campus to promote tolerance, regional, linguistic, and community socioeconomic peace. We also host a variety of events to raise awareness about social concerns and rights.

Following events were organised to boost tolerance, harmony cultural, regional, linguistic, communal socioeconomic:

1. World Environment Day
2. Tree Plantation
- 3..World Food day
4. Cleanliness Drive
5. Krishi PragatiKaran Ani Badal
6. Health Check-up Camp
7. Women Literacy
8. Mask Distribution Drive

9. Rresperiomete Distribution Drive

10. COVID-19 Awareness Programme

11. Tobacco Deaddiction Programme.

All these events conducted by All India Shri Shivaji Memorial Society's College of Engineering, Pune-01, National Service Scheme unit under guidance of National Service Scheme coordinator and principal .In all events National Service Scheme Volunteers, students and staff took part enthusiastically which boost values in the students.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

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

The institution organises the following activities to increase sensitization of students and employees of the institution to the constitutional obligations: values, rights, duties, and responsibilities of citizens.

Tree Plantation- Our institute organised tree plantation programme ,NSS volunteers took an enthusiastic participation in the activity.

Spitting Kills Campaign - Our institute's NSS unit participated in "Spitting Kills Campaign" and created awareness regarding "SPITTING KILLS".

Human Rights Day- One week drive was held for awareness of human rights.

Cleanliness Drive-. Our institute NSS unit visited Kalyanvillage, Pune for cleanliness drive, cleaning the area around the school, temple of the village

Awareness - Tobacco Deaddiction- Our institute NSS unit conducted an awareness campaign among the students regarding De-addiction of tobacco, how it is harmful for body.

Health Check-up Camp - A health check-up camp has been set up in Kalyan (Pune) by NSS volunteers.

Road Safety Program -On the occasion of Republic Day, institute organised an activity named Road Safety Program at Deccan area at 09.00 am.

Pulse Polio Campaign -organised for three days.

Azadi Ka Amrut Mohatsav- Participated in the event, at Aga Khan Palace.

Blood Donation Camp SPPU- NSS volunteers participated in blood donation camp conducted by Pune University.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://aissmscoe.com/coe/naac2020/Criteria7
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	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

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

The All India Shri Shivaji Memorial Society was established by Rajarshi Chhatrapati Shahu Maharaj of Kolhapur with the vision of providing military education to children of lower income groups. Later on the institute of higher education were established to carry forward the vision of our great leaders.

The institute every year organises a number of functions in the campus to boost tolerance, harmony cultural, regional, linguistic, and communal socioeconomic. We also organize various activities to increase awareness of social issues and rights.:

Institution organizes every year various days, national festivals and birth anniversaries of the great Indian personalities, which are as follows:

1. World Environment Day
2. Kargil Vijay Divas
3. Independence Day
4. Mahatma Gandhi's Jayanti.
5. World Food Day
6. World AIDS Day
7. Human right Day
8. Republic Day

9.SPPU Foundation Day

10.Shivjayanti.

11.Shivswarajya Din

All these events conducted by All India Shri Shivaji Memorial Society's College of Engineering, Pune-01, National Service Scheme unit under the guidance of National Service Scheme coordinator and Principal.In all events National Service Scheme Volunteers, students and staff took part enthusiastically which boost values in the students.

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

Any technical institution's objective is to generate talented, globally competent individuals who are available for immediate work through quality technical education. Our institute launched the One Faculty, One Industry Drive to attain this goal. in which each faculty member of the institute chooses an industry related to their field of interest and organises numerous activities to expose students and teachers to that industry. We did numerous initiatives under this practise last year as well, such as online FDPs, virtual industry visits, online workshops, webinars, value-added courses, and MOUs with various industries.

The library's mission is to create a conducive environment for teaching and learning. The library hosts a variety of events to encourage students to develop a reading habit that will benefit their overall academic development process. The library's best practises are the "Best Library Reader Award". Institute library

team organises national and international conferences, workshops, and assists in branding the institute's recognition globally. Other activities conducted are: running an NPTEL local chapter, conducting author meet programs, subscribing to quality E-resources, E-books, and remote access platforms. DELNET access, NDLI Club, plagiarism software access, library blog, Google Class Room platform, etc. The Librarian is working as the DOAJ Ambassador of India.

File Description	Documents
Best practices in the Institutional website	https://aissmscoe.com/coe/naac2020/Criteria7
Any other relevant information	https://aissmscoe.com/coe/naac2020/Criteria7

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

PROVIDING GLOBAL PLATFORM TO STUDENTS FOR ENHANCEMENT OF TECHNICAL COMPETENCY

AISSMS College of Engineering consistently provides motivation, support & platform for students to showcase their skills & knowledge in various competitive Technical Events. It hosts various technical teams like Resonance Racing (BAJA, SUPRA, Go-Kart, Effi-Cycle) & Team Garudashwa (SAE Aero Design). This helps the students to deal with the problems that engineers have to face in real world scenarios by conceptualising, designing, fabricating & testing the fabricated prototype. Institute provides necessary funds & resources required to strengthen such activities which helps students to enhance technical competency.

Team Garudashwa is one of the prime student clubs which participates in various International & National Aero Design Competitions. Simultaneously, the team also intends to create awareness amongst the students from various colleges by conducting workshops and hands on training.

Objectives:

1. To inculcate multidisciplinary working culture amongst

students.

2. To develop entrepreneurial, leadership & project management qualities required to achieve greater goals.
3. Enrich design, fabrication, testing and presentation skilled students.
4. To understand the professionalism and ethical values.
5. Acquire knowledge and understanding of engineering and management principles to develop ability to engage in independent and life-long learning.

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

7.3.2 - Plan of action for the next academic year

Institute has been initiating and implementing various activities to assure and improve quality in the different aspects of academics, co-curricular and extracurricular activities, faculty development. Also, institute has decided to focus on research culture, innovation ecosystem development and academic activities in online mode.

In view of the vision, mission and core values, institute has planned for following initiatives.

1. To apply for NBA Accreditation for UG programs
2. Organize more number of webinars with the involvement of experts from various fields and of national and international repute.
3. Preparation and execution of internship policy referring the AICTE internship policy. Also, interaction with industries to provide real life exposure to students through internships and allotment of live projects.
4. Organization of various activities related to IPR, innovation and startup.
5. Organization of project exhibitions at department and institute level to promote quality of research in the institute.
6. Start of new programs in the institute to meet the requirement

of society.

7. To start value added and professional courses for students to improve their employability.

NAAC