



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	AISSMS'S INSTITUTE OF INFORMATION TECHNOLOGY
Name of the head of the Institution	Dr. P. B. Mane
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02026057636
Mobile no.	9422083312
Registered Email	principal@aissmsioit.org
Alternate Email	iqac@aissmsioit.org
Address	Kennedy Road, Near R.T.O.,
City/Town	Pune
State/UT	Maharashtra
Pincode	411001

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Urban			
Financial Status		Self financed			
Name of the IQAC co-ordinator/Director		Ms. Mousami Vanjale			
Phone no/Alternate Phone no.		02026057636			
Mobile no.		9423872768			
Registered Email		iqac@aissmsioit.org			
Alternate Email		mousami.vanjale@aissmsioit.org			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		https://aissmsioit.org/wp-content/uploads/2019/12/2019-20-MHCOGN23965-AISSMS-Institute-of-Information-Technology-Pune-Maharashtra-New.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		https://aissmsioit.org/wp-content/uploads/2020/07/academic-calender19-20.pdf			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.09	2016	29-Mar-2016	28-Mar-2021
6. Date of Establishment of IQAC			01-Jun-2011		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		

Session on CO PO and attainment for newly appointed faculty members	21-Aug-2019 1	9
Induction program for newly appointed faculty members	24-Jul-2019 1	9
Constituted committee for preparation of autonomy	17-Sep-2019 1	7
Applied for SPPU Best college and Best Principal Award	22-Oct-2019 1	3
Cash award under AISSMS Excellence Award	03-Oct-2019 1	7
Internal Academic Audit	11-Dec-2019 3	150
Conducted psychometric test of the faculty members	15-Feb-2020 30	115
Conducted session on Product development	19-Jun-2019 1	58
Arranged discussion session on examination reform	14-Jun-2019 1	82
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Sachin Shelar	MODROB	AICTE	2020 730	1200000
Electrical Engineering	QIP	SPPU	2020 2	200000
E & TC Engineering	QIP	AICTE	2020 3	285000
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9. Whether composition of IQAC as per latest NAAC guidelines:

No

Upload latest notification of formation of IQAC

No Files Uploaded !!!

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional

Yes

website	
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

- Promoted 'iConnect' (Industry, Institute, and Individual Connect) program for enhancing interaction between institute and industry which resulted in 43 sponsored projects, 327 Industrial Internships/Training, 62 Hands on trainings, and 28 Placements for our students.
- Received approximately 24 lakh worth grants from various funding agencies for research, conference, laboratory development etc.
- 19 MoUs signed with the industries to promote industry institute interaction
- Successfully organized 2nd International conference on Emerging Smart Computing Informatics (ESCI 2020)
- Implemented LMS (Moodlegnomio/Google Classroom)

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

Plan of Action	Achivements/Outcomes
To conduct Internal Academic Audit	Internal Academic Audit of sem. 1 was conducted by Internal Assessment Committee during 11/12/2019 to 13/12/2019. Inspection reports were submitted on/before 18/12/2019 while Compliance reports were submitted 27/12/2019 by all the departments.
To celebrate Teacher's Day - (Rewards system)	Teacher's Day was celebrated on 05/09/2019 and rewards were given to best teacher, best class, best GFM, best department, best HoD etc.
To organize induction program for newly recruited faculty members.	Induction program for newly recruited faculty members was conducted on 24/07/2019 & 21/08/2019. Faculty members were informed about the society and institute as well as about the rules and regulations to be followed. They were informed about the standard procedures and documentation formats for various activities. Session on 'Formation of CO statements and CO attainment calculations' was conducted by IQAC coordinator. All the newly recruited faculty members were taken for the visit of all the departments and common facilities.

To conduct regular IQAC meetings.	Four IQAC meetings were conducted on following dates: 1. 18/07/2019 2. 24/10/2019 3. 06/02/2019 4. 09/04/2019
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	No
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Cloud based Enterprise Resource Planning (ERP) Software for automation of academic and non academic processes is used in the institute to maintain and analyze the data related to various processes of institute. List of modules currently operational in the ERP software is as follows: 1. Faculty Profile 2. Students database 3. Teaching plans 4. Time tables (Academic/Class and Personal) 5. Experiments schedule 6. Attendance monitoring 7. Examination schedule 8. Class assignments record 9. Question bank preparation 10. Syllabus coverage monitoring 11. SMS to the parents and students 12. Faculty feedback by students 13. Icard generation 14. Roll call list generation 15. Subject allotment and accessibility authority (Faculty, GFM, Head) 16. Variety of reports pertaining to academic monitoring can be printed

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institution meticulously plans for effective implementation of the curriculum. The detailed process is stated below : i. Planning for the Term : All the departments prepare academic calendar in line with the academic calendar prescribed by the University which consist of all technical and nontechnical activities in detail. ii. Finalising of faculty member for each

subject and Electives to be included in next semester and Preparation of Timetable: Before the end of the term, each faculty member submits his/her subject preferences to the Head of Department (HOD). Likewise, the electives are floated to the students to decide their choice to finalise and plan in advance for the electives. As per preference of subject, HOD assigns the faculty member as per their qualification and expertise and the subject distribution is communicated to the faculty member well in advance for proper preparation. Timetable is prepared as per the availability of infrastructure and shift of faculty member which is approved by authorities. The approved Time table is displayed on notice boards and college website prior to commencement of new term. iii. Preparation by each faculty member: Once the subject is allotted to the faculty member, they prepare teaching plan and course file as per the departmental academic planner. Lab manuals are prepared for each subject by the respective subject in charge along with important oral questions. i v. Academic Monitoring Committee: A Guardian Faculty Member (GFM) is appointed for each class to monitor day to day conduction of time table and academic planner. Daily attendance is monitored by each faculty member and defaulter students with poor attendance are identified. Parents of such students are informed by telephone and SMS alerts, if required counselling is done by 3rd party and batch counselors. HOD takes feedback of the faculty twice in a semester from students and analysis is done by GFM. If feedback is poor, then corrective measures are advised by HOD and Principal. Faculty member meetings are held every week by the HOD to take academic review and suitable remedial measures are advised if necessary. v. Resource Planning: Instruments which require repair or are obsolete are identified. Yearly budget is prepared based on consumables and equipment and planned lab wise and submitted to "Purchase Committee" to call for quotations. Comparative statements are prepared to release requisition for each item. After receipt of these, demonstration is arranged to check satisfactory operation and test report is prepared. vi. Selection process of final year projects: Project coordinator is assigned to final year students who assign project guides to these student groups as per area of specialization of the faculty member. The students are encouraged to get company/college sponsored projects with innovative idea. Projects with market potential are considered and supported for development of new start-ups.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Campus to corporate readiness Program: Aptitude Training for FE	-	12/08/2019	2	Employability	Aptitude, Logical reasoning
Campus to corporate readiness Program: Soft skills Training for SE	-	03/02/2020	6	Employability	Softskills
Campus to corporate readiness	-	16/08/2019	14	Employability	Aptitude, Logical reasoning

Program: Aptitude training for TE	-	05/02/2020	4	Employabilit y	Softskill
Campus to corporate readiness Program: Soft skills Training for BE	-	19/09/2019	2	Employabilit y	Aptitude
Campus to corporate readiness Program: Aptitude Training for BE	-	09/01/2020	9	Employabilit y	PLC/SCADA
WORKSHOP on PLC SCADA and Automation by Aundh ITI, Pune.	-	11/07/2019	5	Employabilit y	Soft skill, Aptitude
Employabilit y skill enhancement workshop by ETHNUS	-	03/09/2019	20	Employabilit y	Programming Skills
Advanced CNC Programming	-	29/07/2019	72	Employabilit y	Technical Skills
NPTEL SWAYAM Online certi fication cou rse(June-Nov 2019)	-	27/01/2020	72	Employabilit y	Technical Skills
NPTEL SWAYAM Online certi fication cou rse(Jan-June 2020)	-	19/08/2019	6	Employabilit y	Hardware Design Skills
Industrial Approach in Electronics Engineering by Electronics Study Centre, Nashik.					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
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BE	NIL	17/06/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Electrical Engineering	17/06/2019
BE	Electronics and Telecommunication Engineering(1st and 2nd shift)	17/06/2019
BE	Computer Engineering (1st and 2nd shift)	17/06/2019
BE	Information Technology	17/06/2019
BE	Instrumentation Engineering	17/06/2019
ME	Power Control and Drives	13/01/2020
ME	VLSI and Embedded System	13/01/2020
PhD or DPhil	Electronics and Telecommunication	25/02/2020

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	4232	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Campus to corporate readiness Program: Aptitude Training for FE	12/08/2019	486
Campus to corporate readiness Program: Soft skills Training for SE	03/02/2020	615
Campus to corporate readiness Program: Aptitude testing for TE	16/08/2019	578
Campus to corporate readiness Program: Aptitude Testing for BE	19/09/2019	592
Campus to corporate readiness Program: Soft skills Training for BE	05/02/2020	592
Online Certificate Course on Arduino by Spoken Tutorial- IIT Bombay	01/01/2020	445
Online Certificate Course on JAVA by Spoken	01/01/2020	483

Tutorial- IIT Bombay		
Online Certificate Course on C CPP by Spoken Tutorial- IIT Bombay	01/01/2020	465
Employability skill enhancement workshop by ETHNUS	11/07/2019	51
Workshop on PLC SCADA and Automation by Aundh ITI, Pune.	09/01/2020	29
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Electrical Engineering	100
BE	Electronics and Telecommunication engineering(1st and 2nd shift)	40
BE	Electronics engineering	7
BE	Computer Engineering(1st and 2nd shift)	11
BE	Information Technology	62
BE	Instrumentation Engineering	37
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>The Institute has a well organized feedback system to monitor and evaluate the quality of teaching and learning. • The Online feedback through ERP is collected twice in a semester from the students for all the subjects by the concerned GFM or Head of Department to maintain secrecy. About 70 students who are having attendance more than 75, participate in the feedback process. A standard feedback questionnaire based on metrics like Subject knowledge, Teaching skill, Punctuality, Command over language is designed by the institute. • Percentage performance of each faculty member is calculated on the basis of levels he /she have obtained for the different feedback items. All the comments written by the students in the feedback forms are communicated to the respective faculty members along with their feedback levels to know their</p>

strengths and weaknesses and to enhance their teaching skills. • The faculty members having highest feedback score are appreciated and note is given for corrective action to the faculty members having feedback score below 75. •Online feedback system is available through college website. Students can also give feedback through the suggestion box available in the department. • The feedback is collected from the alumni, parents and resource persons on the facilities available in the department/Institute. Students can also give feedback on facilities in the department through the suggestion box available in the department. All the factors mentioned in the feedback form are analysed and corrective actions are taken accordingly. Feedback Analysis: Feedbacks from different stakeholders are discussed in the departmental/institute level meeting and corrective actions are taken.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Electrical Engineering	60	46	46
BE	Information Technology	60	72	72
BE	E&TC (II shift)	60	46	46
BE	E&TC (I shift)	180	142	142
BE	Instrumentation Engineering	60	44	44
BE	Computer Engineering (II Shift))	60	65	65
BE	Computer Engineering (I shift))	60	72	72

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2268	11	115	6	121

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used

121	121	8153	28	0	7
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

All the students get academic and personal guidance from the concerned Mentors, Guardian faculty member and Heads of the Department. Following are the various guidance services (professional counseling/mentoring/academic advice) are provided by the institute. • FE induction When new students get admission in First year Engineering course Induction Program is organized to make students aware with Engineering academics and curriculum. Induction program is addressed by Principal where all new students are oriented about institute's infrastructure facilities, teaching learning methodologies, opportunities for participating in cocurricular and extracurricular activities and training and placement. • The department has student counseling cell, which comprises of faculty members as batch counselors. The batch size is of 20 students. The batch counselors help to solve problems of the students in academics, career advancement, campus/hostel, personal issues etc. Counseling forms are maintained by the mentors, which includes – • FE induction When new students get admission in First year Engineering course Induction Program is organized to make students aware with Engineering academics and curriculum. Induction program is addressed by Principal where all new students are oriented about institute's infrastructure facilities, teaching learning methodologies, opportunities for participating in cocurricular and extracurricular activities and training and placement. • The department has student counseling cell, which comprises of faculty members as batch counselors. The batch size is of 20 students. The batch counselors help to solve problems of the students in academics, career advancement, campus/hostel, personal issues etc. Counseling forms are maintained by the mentors, which includes – • FE induction When new students get admission in First year Engineering course Induction Program is organized to make students aware with Engineering academics and curriculum. Induction program is addressed by Principal where all new students are oriented about institute's infrastructure facilities, teaching learning methodologies, opportunities for participating in cocurricular and extracurricular activities and training and placement. • The department has student counseling cell, which comprises of faculty members as batch counselors. The batch size is of 20 students. The batch counselors help to solve problems of the students in academics, career advancement, campus/hostel, personal issues etc. Counseling forms are maintained by the mentors, which includes – • Personal Information • Previous Academic Record • Academic Performance • Competitive Examination Details • Details of Internship and Industrial training • Scholarships/awards received • CoCurricular and Extra Curricular activities. • Discussions, progress records. The mentors meet the students periodically/as and when needed and monitor their performance and activities. • Psychometric test is conducted at the entry level by the external agency. The SWOT analysis of the students is carried out through this psychometric test and the students are made aware of their strengths and weaknesses. The students are also guided on professional and career advancement. • Guardian faculty member do monitoring of attendance and performance of each students six times in a semester and identifies irregular and academically weak students. GFM conducts one to one meeting with such students and motivate them to improve their performance. The progress and observations are conveyed through telephonic conversation.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2268	121	01:19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
118	71	50	50	18

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
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2019	Dr.P.B.Mane	Principal	IETE B R Batra Memorial Award 2019
2019	Dr.P.B.Mane	Principal	Sardar Vallabhbhai Patel National Performer Award
2019	Dr. Yogesh P. Patil	Associate Professor	'Best Researcher' at 2nd International Scientist Awards on Engineering, Science Medicine by VDGGOOD Professional Association
2019	Dr. Yogesh P. Patil	Associate Professor	'First prize in paper presentation.' at -5th International Virtual Conference on RASEAT(Recent Trends In Science, Engineering, Agriculture And Technology).
2019	Dr. Yogesh P. Patil	Associate Professor	Shri Shahu Chhatrapati Award of Excellence 2019
2019	Mrs.S.S.Nikam	Assistant Professor	'Best Young Researcher National Award' from IRDP
2019	Mr. Vikas J. Desai	Assistant Professor	Gold medal at 47th Maharashtra State Senior Judo Championship, Pune
2019	Dr. Sarika N. Zaware	Associate Professor	Best Paper of Session - Smart Computing TRACK'in IEEE-ESCI 2020 conference
2020	Mr. P. B. Wakhare	Assistant Professor	'Best Paper of Session -IOT TRACK'in IEEE-ESCI 2020 conference
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	628224510	Semester 2	30/10/2020	31/10/2020

BE	628224610	Semester 2	30/10/2020	31/10/2020
BE	628246610	Semester 2	30/10/2020	31/10/2020
BE	628229310	Semester I	03/12/2019	28/01/2020
BE	628237220	Semester I	03/12/2019	28/01/2020
BE	628237210	Semester I	03/12/2019	28/01/2020
BE	628224520	Semester I	03/12/2019	28/01/2020
BE	628224510	Semester I	03/12/2019	28/01/2020
BE	628224610	Semester 1	03/12/2019	28/01/2020
BE	628246610	Semester 1	03/12/2019	28/01/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institute follows all the evaluation reforms as prescribed by the University. In addition, the Institute has introduced measures on its own. Following are the major evaluation reforms introduced by the University. • College Examination Officer (CEO) As per University directives, the Institute has appointed a senior and experienced faculty member as College Examination Officer (CEO). The Examination Committee is headed by Principal, assisted by CEO and senior faculty members from each department. • In semester Examination University has introduced the model of In semester examination for First Year, Third year (TE), Final Year (BE) and Master of Engineering (ME) courses. • Computerization University has introduced online examination for evaluation of Second year engineering courses. The Institute conducts online examinations of the University every semester. • Credit system As per the University guidelines credit system has been introduced for the UG and PG Program. The reforms initiated by the Institute are - As a regular practice institute conducts unit test examination, mock practical/ oral examinations, FE prelims, Conduction of mock online examinations. To support the above reforms, the institute appoints examiners for the conduction of various practice examinations.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Academic calendar of institute is prepared and then HOD along with staff prepares the calendar of the department which is in adherence with the University calendar. • Each department conducts the meetings of faculty before term end of previous semester and discusses the syllabus of the program and identifies specialized faculty in particular domain and calls the subject preferences from the faculty. Based on this discussion HOD distributes the load. Faculty prepares teaching plan of topics to be covered in upcoming semester as well as course file before the beginning of next semester. • The faculty prepares course file by referring standard course file index it includes details of Lecture plan, Notes and other study material, previous year University question papers along with solution, assignments, e learning material etc. Faculty also identifies list of lab experiments need to be conducted. • The Course file is evaluated by concerned HOD as well as Principal. • The students are informed about time table, academic calendar and teaching plan well in advance. Institute conducts Unit Tests and Prelim Exam during the term. The Mock Practical and Orals are also conducted .Students academic performance in these tests is evaluated and used to identify the extra efforts required to improve results. Continuous assessment is done based on students performance in the above exams, assignments, attendance etc. • At the end of Term University conducts examination and evaluate the students' performance and offers result for the same. • At the end of semester, course

end survey is collected. Course outcome are evaluated based on survey analysis of course end survey and student's performance in exams. • Institute organizes co curricular and extracurricular activities to supplement the curriculum. • Institute carries out result analysis and gives the information to IQAC and seeks the guidelines from it for further improvement.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://aissmsioit.org/computer/vision-mission-peo/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
628229310	BE	Electrical Engineering	70	39	55.71
628237220	BE	Electronics & Telecommunication (Shift - II)	50	28	56
628237210	BE	Electronics & Telecommunication (Shift - I)	135	105	77.77
628224610	BE	Information Technology	80	45	56.25
628224520	BE	Computer Engineering (Shift-II)	64	59	92.18
628224510	BE	Computer Engineering (Shift I)	73	65	89.04
628246610	BE	Instrumentation Engineering	52	42	80.76

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://aissmsioit.org/wp-content/uploads/2020/09/Student-Satisfaction-Survey-2019-20.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year

Major Projects	730	All India Council for Technical Education (AICTE)	12	9.6
Major Projects	730	All India Council for Technical Education (AICTE)	12	9.6
Minor Projects	730	Indian space research organisation (ISRO)	1.5	0.25
Minor Projects	730	ASPIRE mentorship projects , Savitribai Phule Pune University (SPPU)	3	1.5
Minor Projects	365	Banaras Hindu University (BHU), Varanasi	1.2	1.2
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
One week workshop on "Machine learning using Python" conducted by Aniket Thorave, MITU skillologies, Pune	Computer Engineering	21/01/2020
4 days work shop on "Object Orineted Programming Data structure concepts using Python Programming for SE Computer"conducted by Mr. Anand Komoripalem Advanto Software, Pune	Computer Engineering	04/02/2020
1 day workshop on "Real Life Application Development Using JAVA Programming for SE Students"conducted by Mr. B. H.Pawar, MITU Technologies , Pune	Computer Engineering	04/03/2020
One day workshop on "Soft Skill Workshop for SE I, II Shift"conducted by	Computer Engineering	04/09/2019

Swati Chauhan, Reshma Bhojwani, 3RI Technologies		
One day Workshop on Software Development Test Life Cycle"conducted by Nivedita Malvadkar,Alkesh Sable, Hakimi Technology Solution,Expleo Infosystem Pvt Ltd.	Computer Engineering	28/09/2019
One day workshop pm Mini Project development using advance features of android programming" conducted by Raju Sharma, Octopus ITES Pvt Ltd	Computer Engineering	15/10/2019
One week Workshop on Website Development conducted by Swami Panjala, Elite Softwares	Computer Engineering	03/02/2020
Two days workshop on "Recent Trends in VLSI technology and Digital ASIC design using CMOS EDA Tool"for- BE conducted by Mr. Shrikant R. Atkarne, NI Logic Pvt.Ltd,Pune	Electronics Telecommunication Engineering	18/07/2019
Two days workshop on "Industrial Approach in Electronics" conducted by Mr.Sanjay Chaudhari, Electronics Study Centre,Nasik	Electronics Telecommunication Engineering	19/08/2019
One day workshop on IOT Applications Using Raspberry Pi conducted by Mrs.Sumedha Sahasrabudhe, eMaestro Technology Pvt.Ltd	Electronics Telecommunication Engineering	24/09/2019
Two days workshop on Design Thinking for BE conducted by Mr. Santosh Devidas Khawale, DesiColab,Pune AIC-ADT Baramati.	Electronics Telecommunication Engineering	20/12/2019
Symposium : project selection and implementarion conducted by Dolphin Labs	Electronics Telecommunication Engineering	28/07/2019
2 days workshop on applied mathematics by AISSMS IOIT and IAIAM PUNE	Engineering Sciences	09/01/2020

Short Trem Training Program on Network Security by Inderjeet Shah, National Institute of Technical Teachers Training and Research, Kolkatta	Information Technology	24/06/2019
Seminar on Career Orientation on Higher Studies by Mr. YogeshRanga, Analyst, The Chopra's, Pune	Information Technology	09/07/2019
3 Days Workshop on "C" by ZeeshanAli Sheikh InnovizTutors,Pune	Information Technology	19/07/2019
Seminar on"An initiative to motivate all the engineering students in India to their true potential" by Mr. RaghvanKoli, Founder, The Conquerors, Mumbai	Information Technology	29/07/2019
1 day workshop on "Ethical hacking" by Mr.Latish Danawale Pristine Infosolution Pvt Ltd	Information Technology	31/07/2019
5 Days Workshop on "Python Programming" by Mandar Sonawane, Prank-iSystems Pvt. Ltd.,Pune	Information Technology	26/08/2019
1 day workshop on Block chain Technology by Vijay BaljiElango EMURGO	Information Technology	31/01/2020
5 Days Workshop on "Advanced Java by Zeeshan Ali Sheikh, Innoviz Tutors Pune	Information Technology	03/02/2020
1 Day workshop on "Cyber security and ethical Hacking" by Savitribai Phule Pune University	Information Technology	04/02/2020
1 Day "Syllabus Revision Workshop" by Board of Studies Information Technology Pune	Information Technology	20/02/2020
1 Day workshop on "Hadoop: Big Data Technology" by Mr Tushar Kute Mitu Research Pune	Information Technology	24/02/2020
2 Day workshop on "R Programming" by Mr Tushar Kute Mitu Resesarch Pune	Information Technology	25/02/2020

1 Day workshop on Entrepreneurship under the National theme 'Start up India' by Mr. Abhay Bharmhe, SDTRONICS, Pune, Mr. Pankaj Gupta,, Vap O Care.inc, Self Entreprenuer, Mumbai, and SAP Engineering and Consultants ,Pune	Instrumentation Engineering	23/09/2019
2 Day workshop on Hands on Embedded System Design by Mr. Padmakar Sawane, Bit Electronics, Baramati.	Instrumentation Engineering	02/10/2019
Workshop on "Effects of Transients in the Electronic Age Solutions" Conducted by Pavanssi V. Business Head SineTamer India	Electrical Engineering	29/07/2019
Workshop on "Recent Trends (Hardware Software) in Energy Power Quality Monitoring" Conducted by Mr. HariBala, Business Development Director Janitza electronics GmbH (Germany) UAE	Electrical Engineering	23/08/2019
Three Days workshop on Industrial Approach in Electronics Engineering conducted by Mr. Sanjay Chaudhari Electronics Study Centre, Nashik.	Electrical Engineering	24/09/2019
One week workshop on PLC SCADA and Automation in Electrical Engineering conducted by Mr.D.V.Kulkarni Senior Training Officer, Industrial Automation,Hi Tech Training Scheme(An Indo German Project), AunthITI,Pune.	Electrical Engineering	09/01/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Stamford University, Thailand Stamford University, Thailand	Gaurav S Sonawane TE ETC, Shreyas Shah BE Electronics	IEEE YESIST12 Innovation challenge	07/09/2019	2nd Runner Up

6th National Level Technical Expo organized by K J College of Engineering and Research, Pune	Mr. Rajendra Dundappa Shilin	6th National Level Technical Expo organized by K J College of Engineering and Research, Pune	17/02/2020	1st rank
Makeathon , Texas Instruments	Parth Parashtekar	Makeathon , Texas Instruments	21/09/2019	2nd Runner Up
Makeathon , Texas Instruments	Neha Nilajkar	Makeathon , Texas Instruments	21/09/2019	2nd Runner Up
Makeathon , Texas Instruments	Nachiket D. Kamod	Makeathon , Texas Instruments	21/09/2019	2nd Runner Up
All India Radio	Samiksha Vijay Patil	Project competition, All India Radio	15/09/2019	1st Rank
All India Radio	Vedashree Nilare	Project competition, All India Radio	15/09/2019	1st Rank
All India Radio	Gayatri P. Jadhav	Project competition, All India Radio	15/09/2019	1st Rank
Makeathon , Texas Instruments	Purva Shetty	Makeathon , Texas Instruments	21/09/2019	2nd Runner Up
Hackathon 2020: Title:- Developing a Software Tool to aid Search and Rescue by Calculating and Plotting Search Area from the Last Known Position of a Missing Aircraft.	Aditya Mankar, Abhishek Gaikwad, Tanmay Harshe, Raturaj Ghodke, Prachi Pingle, Sejal Oswal, Dr. K. S. Wagh	All India Council for Technical education (AICTE)	04/08/2020	National Level, Rank 1

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
01	Research Innovation and sustainable Entrepreneurship	AISSMSS IOIT	Electronique Pvt ltd	Start up for design, development and automations	05/08/2019

[View File](#)

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	12785

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Electronics and Telecommunication Engineering	4

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electrical Engineering	23	5.8
International	Electronics and Telecommunication	24	1.5
International	Computer Engineering	17	7.16
International	Engineering Science	4	6.39
International	Information Technology	20	6.8
International	Instrumentation Engineering	14	0.24

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Information Technology	6
Electrical Engineering	18
Computer Engineering	6
Electronics and Telecommunication	3
Engineering Science	5

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Deep Image Harmonization using ML	P. S. Gaikwad	International Engineering Research Journal (IERJ)	2020	0	AISSMS IOIT	0

Depression Detection Using Artificial Intelligence through Visual And Text Expressions	P. S. Gaikwad	International Engineering Research Journal (IERJ)	2020	0	AISSMS IOIT	0
Secured Electronic Voting Using Blockchain Technology	P. S. Gaikwad	International Engineering Research Journal (IERJ)	2020	0	AISSMS IOIT	0
Diabetes Detection and Prediction System using Machine Learning Algorithms	D. S. Zingade	International Engineering Research Journal (IERJ)	2020	0	AISSMS IOIT	0
Identity Based Authentication Of Health Records Using Blockchain	D. S. Zingade	International Engineering Research Journal (IERJ)	2020	0	AISSMS IOIT	0
Detection Of Fake Reviews Using Machine Learning Algorithm	Mr. Girish Navale	International Journal of Future Generation Communication and Networking	2020	0	AISSMS IOIT	0
Road Sense analysis using Ultra sonic sensor	Mrs.N.S.Patil	International Engineering Research Journal	2020	0	AISSMS IOIT	0
Employee Attenuation rate prediction	Mrs.N.S.Patil	International Engineering Research Journal	2020	0	AISSMS IOIT	0
Online subjective Test Result Analysis	Mrs. Archana G. Said	International Engineering Research Journal	2020	0	AISSMS IOIT	0

Marathi Handwritten Words Recognition using Deep Learning	Prof. P. S. Sadaphule	TEST Engineering Management	2020	0	AISSMS IOIT	0
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Classification and Prediction of Rice Crop Diseases using Convolutional Neural Network	Dr. S. V. Limkar	8th International Conference on Frontiers of Intelligent Computing: Theory and Applications	2020	2	0	AISSMS IOIT
Detection of Tampered Video Using Blockchain	Dr. K. S. Wagh	International Journal of Future Generation Communication and Networking	2020	1	0	AISSMS IOIT
Improvising Label Accuracy for Unsupervised Machine Learning Models	Dr. K. S. Wagh	International Journal of Future Generation Communication and Networking	2020	1	0	AISSMS IOIT
Enabling Blockchain Based Energy Transfer Using Ethereum Blockchain	Dr. K. S. Wagh	International Journal of Future Generation Communication and Networking	2020	1	0	AISSMS IOIT
Hybrid Framework for Web Services on Android Mobile Host	Dr. K. S. Wagh	Helix, The Scientific Explorer	2020	1	0	AISSMS IOIT

Dynamic Traffic Light Optimization and Control System	Dr. K. S. Wagh	International Journal of Future Generation Communication and Networking	2020	1	0	AISSMS IOIT
Cross Domain Relations using DiscoGAN Combining Lifestyle And Fashion	Dr. S. N. Zaware	International Engineering Research Journal	2020	1	0	AISSMS IOIT
Image and Text Based Carbot	Dr. S. N. Zaware	International Engineering Research Journal	2020	1	0	AISSMS IOIT
Identification Cold start Problem Start in Matrix Factorization Method for Online Web Recommendation Systems	Dr. S. N. Zaware	Test Engineering and Management	2020	1	0	AISSMS IOIT
Data Transmission using Crypto Steganography	Dr. S. N. Zaware	Test Engineering and Management	2020	1	0	AISSMS IOIT

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	24	264	196	102
Presented papers	29	1	20	0
Resource persons	3	8	4	11

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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Celebration of International Yoga Day guides by Mr. Yogesh Thopate	National service scheme	4	31
Celebration of Chhatrapati Shri Shahu Maharaj Jayanti	National service scheme	2	34
Svaccha vari -svastha vari nirmala vari -harita vari palakhi bhet abhiyan under Savitribai Phule Pune University	National service scheme	2	58
Tree Plantation on Dighi Hill	National service scheme	2	126
Celebration of kargil Diwas	National service scheme	2	145
The National Federation of Blind maharashtra Blind People Election	National service scheme	2	28
Celebration of Independence Day	National service scheme	2	80
Blood donation camp was conducted by NSS unit of All India Shri Shivaji Memorial Society's Institute of Information Technology In Coordination with Sasoon Hospital	National service scheme	2	42
One day workshop on Cyber Security and Ethical Hacking	Student Welfare Organisation	6	83
One day workshop on Technical Paper Writing	Student Welfare Organisation	6	115
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			

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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
National service scheme	National service scheme	Kolhapur flood relief camp	2	38
National service scheme	National service scheme	Cleaning activity at Sangam Bridge	2	50

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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industrial Visit	Tech Prime Lab	Tech Prime Lab	13/08/2019	13/08/2019	A. S Chavan, P. S Sadaphule, N. S. Patil, P.S. Jadhav
Industrial Visit Interaction	Blend Grop Of Companies	Blend Grop Of Companies	26/07/2019	26/07/2019	Prof.G.J.Navale, Prof.A. Varal, Prof. S.R.Agrawal
Industrial Visit Interaction	Codekul Pvt Ltd	Codekul Pvt Ltd	02/08/2019	02/08/2019	Mr. Girish Navale, Dr. Kishor Wagh, Minal Nerkar, Bormane P.D
Industrial Visit	Cyber Cell, Shivajinagar	Cyber Cell, Shivajinagar	13/01/2020	13/01/2020	A.S. Varal, S.A. Agrawal, A.G. Said, P.D.Bormane
Industrial Visit	ETDC, Shivajinagar	ETDC, Shivajinagar	18/12/2019	18/12/2019	A.S. Varal, A.S. Chavan, P.N. Gulhane

Industrial Visit	IIIDS, Pimpri	IIIDS, Pimpri	01/02/2020	01/02/2020	Dr. S.N. Zaware, A.G. Said, A. S. Varal
Industrial Visit	Auto Cluster	Auto Cluster, Chichwad MIDC	07/03/2020	07/03/2020	A.S. Varal, A.S. Chavan, C. N. Aher
Industrial visit	FOF 2020	Visit to FOF 2020 at ACDRI, Chinchwad, Pune	28/02/2020	28/02/2020	Dr.Sarika Zaware, Mrs. N.S.Patil
Industrial visit	Expert talk and visit	ACDRI, Chinchwad, Pune	30/08/2019	30/08/2019	Dr.Sarika Zaware, Mrs. N.S.Patil, Mrs.A.G.Said, Mr.P.S.Sadap hule
Industrial Visit Interaction	Development Unit	Xenstack Solutions India Pvt. Ltd.	06/09/2019	06/09/2019	M. P. Nerkar, Dr. K. S. Wagh, S. P. Pimpalkar, D. S. Zingade

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Bharat Sanchar Niham Limited	10/02/2020	Conducted webinar	100
DigitalNil	17/07/2019	Sponsorshi project and inership	10
Elliot Systems Pvt. Ltd	04/09/2019	Expert lecture, Internship, Energy/Power Quality Audit, Project	110
AIC-ADT Baramati Foundation	24/06/2019	1. Conducted Guest Lecture by Mr. Abhishek Dhavan on 22/07/2019 2.Design Thinking 2Days Workshop in collaboration with NITI ayog AIC-ADT Baramti on 20th and 21st December 2019	83
Indo-science education trust	24/02/2020	1. Students selected as a	220

		volunteers for ISRO UVIKA space programs. 2. Conducted UVIKA program at institute	
Prank-I Systems Pvt. Ltd	02/08/2019	1. Internship and Training 2. Workshop for faculty and students	54
HireMindz-SignioGlobalTech Solutions Pvt Ltd.	19/09/2019	1. Internship and Training 2. Workshop for faculty and students	100
Purecrete India Pvt. Ltd. Pune	02/08/2019	Industrial Visit, student training, Expert Lecture	17
TACCT Automation	01/10/2019	student training, Expert Lecture	28
Emerson India	17/02/2020	Emerson India Donated DCS under CSR	2
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
10211464	10894245

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
System for Library Information and Management (SLIM 21)	Fully	3.4.029410	2012

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	32101	13367026	904	567360	33005	13934386
Reference Books	657	3934257	8	60921	665	3995178
Digital Database	3	1015407	0	0	3	1015407
CD & Video	1689	0	0	0	1689	0
Library Automation	1	155000	0	0	1	155000
Weeding (hard & soft)	41	10255	0	0	41	10255

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. M.A.Thalor	Advanced Data structures	http://meenakshithalor.blogspot.com/	07/11/2019
Mrs. Archana G. Said	Computer Graphics	https://www.youtube.com/watch?vobsokbxM98featureyoutu.be	04/01/2020
Mrs. Archana G. Said	Computer Graphics	https://www.youtube.com/watch?v8V63g-rvtbcfeatureyoutu.be	04/02/2020
Mrs. Minal P. Nerkar	Microprocessor	http://minalnerkar.blogspot.com	28/01/2019
Mrs.Archaana A. Randive	Advanced Processors	https://archaanarandive.gnomio.com/	14/01/2019
Ms Mousami Vanjale	Convolution Code	https://www.youtube.com/watch?vC-6P0CwfTAo	21/03/2020
Dr. K. S. Wagh	OOP	https://enggeasy.wordpress.com/	07/01/2020
Mr. A.H.Raheja	Analysis of Trusses	https://youtu.be/ffYLW08nmKY	21/04/2020

Mr. A.H.Raheja	Analysis of Frames	https://youtu.be/pAp4jcbfqpw	26/04/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	717	16	100	0	1	1	5	100	0
Added	28	0	0	0	0	0	0	0	0
Total	745	16	100	0	1	1	5	100	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
A-VIEW Classroom Video conferencing and lecture capture system.	https://aissmsioit.org/facilities/facilities-for-e-content-development/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
29078536	27891521	7960000	6937783

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institute regularly maintains the laboratory equipment there by checking the working status of instruments. The laboratories are maintained by means of annual maintenance contract for computer, equipment, peripherals, networking, UPS, elevator, DG set etc. The minor maintenance being carried out by the laboratory assistants. Laboratory assistant are maintaining dead stock register and register for consumable material and to undertake physical dead stock verification of laboratory material. Laboratory assistants are maintaining log book in laboratory, updating laboratory board periodically, and maintaining equipment, kits, wires, probes etc. Laboratory assistants are issuing equipment, components and manuals to the students, other laboratories and departments making entry in the issue book. They are updating the display of laboratory with respect to laboratory time-table, list of experiments, list of major equipment along with cost, lab area, and charts as well as keeping record of consumables required for the laboratory. The institute's librarian and department library coordinators are regularly reviewing and evaluating resource materials, such as book reviews and catalogs, in order to select and order print, audiovisual, and electronic resources. Departmental library in charge prepares a list of books and display the updated list semester wise in the

department. Make a new entry of books as available in the department library. Arrange the books or copies of books subject wise in the book shelf and make the entry accordingly. At the end of the semester they prepare a report about how many books got issued, returned or misplaced. Prepare requirement of new books and journals that are required according to the new syllabus and submit the proposal accordingly through HOD. Departmental project and seminar coordinators are submitting all the project and seminar report of students in departmental library. Office of head of the Departments maintains the academic documents such as Departments master time table, copy of individual teacher's time table, Class room time table, Laboratory time table, monthly review of number of lectures and practical conducted by teachers, a copy of unit test examination time table, provisional and final list of defaulters, record of parent's visits, student's feedback reports etc. The institute's sports section has sports club which facilitate teachers and students with sports, recreation, health checkups etc. Also supervising strategic planning and implementation in association with national governing bodies (NGBs) for specific sports with respect to clubs and events. They also manage resources, budget and identifying potential opportunities for external funding. Class rooms, staff rooms and laboratories cleanliness is maintained by peon. College corridors and washrooms cleanliness is maintained by external cleaning services

<https://aissmsioit.org/maintenance-and-utilization/>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	50 Percentage Fee Concession for PG	3	225000
Financial Support from Other Sources			
a) National	Non Govt. Agency and Government Freeship, Scholarship	1480	67045797
b) International	00	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Arduino (ICT/Computing Skills)	01/01/2020	445	Spoken Tutorial-IIT Bombay
Java (ICT/Computing Skills)	01/01/2020	483	Spoken Tutorial-IIT Bombay
C and Cpp (ICT/Computing Skills)	01/01/2020	465	Spoken Tutorial-IIT Bombay
CCRP-Campus to corporate readiness Program (Soft Skill, Personal	12/08/2019	2271	Institute of Holistic healing

Counselling and Mentoring)			
Medical Check up (Life Skill)	21/09/2019	644	Dr. Sanjiv shaha
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Campus to Corporate Readiness Program (CCRP)	0	593	0	207
2020	AMCAT test	0	433	0	35
2020	One to one counselling sessions	0	340	0	208
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Amazon Development Centre (India) Pvt. Ltd.	157	19	Goldman Sachs.	9	0
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	Bachelor of Engineering	Instrumentation Engineering	College of engineering, Pune	Master of Technology Process

					Metallurgy
2019	1	Bachelor of Engineering	Electrical Engineering	New Jersey Institute of Technology (jan 2020)	Master of Science in Electrical Engineering
2019	1	Bachelor of Engineering	Electrical Engineering	Michigan Technological University (Aug 2019)	Master of Electrical & Electronics Engineering
2019	1	Bachelor of Engineering	Electrical Engineering	COEP , Pune (June 2019)	Master of Technology Project Management
2020	1	Bachelor of Engineering	Electrical Engineering	Durham University (Sept 2019)	Master of Science New Renewable Energy H1K609
2020	1	Bachelor of Engineering	Electrical Engineering	Michigan Technological University (sept 2019)	Master of Electrical Electronics Engineering
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	4
GRE	6
TOFEL	3
Any Other	4
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Football (Womens)	Institution Level (Sports)	16
Volleyball(Men)	Institution Level (Sports)	8
Kabaddi(Men)	Institution Level (Sports)	12
Engineers Cup(IOIT),Pune	Institution Level (Sports)	16
Chess (Alacrity)	Institution Level (Sports)	7
GLITTERATI-SOLO (Alacrity)	Institution Level (Cultural)	24
Writo-Speakz (Alacrity)	Institution Level (Cultural)	6

Punes Got Talent (Alacrity)	Institution Level (Cultural)	1
Treasure Hunt (Alacrity)	Institution Level (Cultural)	17
IPL Auction (Alacrity)	Institution Level (Cultural)	14
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Runner-up (step-up solo)	National	0	1	XI-17117	Atharva Zhalte
2020	Winner (Treasurer Hunt)	National	0	1	XI-17147	Divya Rangari
2020	Runner-up (Quiz)	National	0	1	II-17025	Siddhant Kasbe
2020	Winner (Quiz)	National	0	1	XI-D1815	Manojkumar Pal
2020	Winner (Mystery Room)	National	0	1	TI 18048	Sarang Chambhare
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

At the beginning of every academic year, the institute constitutes the Student Council by following the norms laid down by the University. A class representative from each class will be nominated as a member of the Student Council. The student members elect General Secretary, Cultural Secretary, Sports Secretary, and Girls representative for a term of one year. The Student Council aims at the all-round development of students and organizes several academic, co-curricular, and extracurricular events throughout the year in association with the University and other organizations. Meetings of the Student Council are conducted at least once in each term with Student`s Welfare Officer, discipline, and anti-ragging committee. The details of various academic and administrative committees under the Student Council are Cultural committee, Sports committee, NSS committee, Magazine committee AAYAM, Departmental Student Associations namely INSATS, ITSA, CESSA, ELEXA, and EESA. The functions and events conducted by the above mentioned committees are as follows: 1. Students' Council: Under section 40 (3) of the Maharashtra Universities act, 1994, this council is established every year in the institute and it performs prescribed duties. 2. Student Grievance: This committee addresses complaints lodged by any student and effectively resolves the grievances of students. It maintains discipline among the students. It also empowered to look into matters of harassment. 3. Ant-Ragging: This committee ensures zero ragging incidents in the institute and also spreads awareness among students against any type of ragging activities. 4. Cultural: This

committee co-ordinates various cultural activities and events throughout the year. "Alacrity" is a national level fest and an annual social gathering which showcases the cultural talent of students. Intercollegiate cultural sports competitions are also organized in Alacrity. Our students participate in prestigious intercollegiate competitions such as Firodiya Karandak and Purushottam Karandak every year and bag prizes. Institute has started publishing a magazine of Alacrity since last year. 5. Sport: This committee organizes various sport events at the local, state, national levels. It also organizes the interdepartmental sports events. Our students actively participate in various sports in intercollegiate, interuniversity, state, national and international levels. 6. Magazine: 'AAYAM' is our annual magazine published by the Magazine Committee. Students express their talent in the form of articles, poetry, interviews of eminent personalities, and so on. This exercise imbibes societal values in students. 7. Technical Activities: Every Department is having an active Student Chapter associated with the Institution of Engineers, India (IEI), Computer Society, India (CSI), Indian Society of Technical Education (ISTE), and Institute of Electrical and Electronics Engineer (IEEE). These chapters conduct various programs viz Expert lectures Industrial visits to name a few. Institute also organizes international conferences every year.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The alumni association of the institute is established in the academic year 2014-15, The main objectives of the association are 1. To encourage and nurture the interaction between Alumni and the institute benefited mutually to both. 2. To urge the Alumni to take interest in the process and development of the institute. 3.To guide the students of the Institute for professional development, higher education, and being good citizens. 4.To promote the formation of regional chapters to increase participation of Alumni 5.To organize and support recruitment activities for the students of the institute. 6. To boost the students of the Institute and Alumni members of the Association for research development work in various fields of Engineering. 7. To mentor students of the Institute on various professional careers available and support them through various activities such as workshops, expert advice, seminars, industrial visits, etc. 8. To provide financial support in terms of scholarships to students and Alumni of the Institute for the purpose of education and career. 9. To encourage students and Alumni for the development of their entrepreneurship skills and self-employment. 10. To support and assist other regional bodies for training programs in entrepreneurship development, with resources available with the association. 11.To foster the industry-institute interaction to bridge the gap between industry and education offered by the institute and enhance students' employability. 12. To encourage and support students of the Institute in sports, cultural and extra-curricular activities. 13. To promote computer awareness and internet literacy among the backward class of society. 14. To publish a newsletter, books, journals for the public interest. 15.To provide medical support to existing and retired teaching and non-teaching staff. 16.To assist and guide students and ex-students of the Institute for anti-ragging, and any other anti-social activities. 17.To help towards preservation of the environment, pollution control activities against air, water and sound by street play, demos, handbills, and all possible ways of social awareness. 18. To help natural calamity sufferers and victims of disasters like earthquakes, floods, fire, storms, etc. 19. To assist and guide students and ex-students of the Institute for anti-ragging, and any other anti-social activities. 20. To arrange social awareness programs such as blood donation, eye donation. Sighting the above objectives, the Alumni Association

contributes in many ways for the development and betterment of our Institute. Students and institutes are benefited in various fields such as student placement, training, expert lectures, career guidance sessions, Industrial visits and mentoring. The alumni are guiding and nurturing students to become engineering professionals. We conduct alumni meet every year for the engagement of alumni. It is our aim to develop everlasting relations with our alumni which in turn will give rise to mutual benefits.

5.4.2 – No. of enrolled Alumni:

2948

5.4.3 – Alumni contribution during the year (in Rupees) :

319333

5.4.4 – Meetings/activities organized by Alumni Association :

1.Expert lecture on "An orientation on final year projects for BE Students" by Alumni Rajeshwari Paddle on date 11/06/2019. 2. Expert lecture on "Conducted interview for final year students from Technic company" by Alumni Monika Rode on date 25/07/2019. 3.Expert lecture on "Getting a dream job" by Alumni Omkar Rajmane on date 01/08/2019. 4.Expert lecture on "How to pursue higher studies" for SE and TE students by Alumni Snehal Bopardikar on date 03/09/2019. 5. Seminar on "MS programs in Germany and job opportunities available abroad" for SE and BE students by alumni Shripad Kenekar on date 18/09/2019. 6.Alumni meeting conducted with alumni members on date 27/12/2019 7.Expert lecture on "Scope of Biomedical Instrumentation" by Alumni Ms. Gauravi Sahthye, (Alumni 2016 Batch), CODEX Solution Pvt. Ltd Pune on date 06/01/2020. 8."How to proceed for higher study and Scope of Instrumentation in Industry" for BE students by Alumni Mr. Laukik Sanghavi, Founder, Parishram Enterprises on date 13/01/2020. 9.Annual Alumni Meet on date 07/03/2020. 10. Alumni meeting conducted with alumni members on date 07/03/2020 11.Webinar on "Coffee and Conversation" with Alumni on date 22/05/2020. 12.Webinar on "Automation in IT Industry" by Alumni Mr. Omkar Vichare, Robotics Automation Developer, Accenture, Pune on date 25/05/2020.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

College policies are well in line with government policies. All the teachers work together to achieve these policies. Central committees are formed for smooth functioning with delegation of responsibilities. Transparency is maintained by sharing the information on college website for ready reference of all the stakeholders of college as well as the citizens. Discipline, the most desirous virtue for teaching learning-process, amongst the students is maintained by deputing a dedicated staff as guardian faculty member division wise. Students' performance is monitored through batch counseling.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	? Curriculum Development - Being

affiliated to University and non-autonomous college, we are not authorized to frame Syllabus by ourselves as such. As and when the opportunity is available the faculty members of respective subjects are deputed as subject experts by the college on University committee. College also allows staff members to contest the elections for various positions in the University bodies including Board of Studies elections. Also college provide platform for Curriculum development of university by hosting workshops and seminars at college as per the university guidelines.

Teaching and Learning

? Teaching and Learning -The process is monitored by the higher authority time to time through frequent meetings with teachers and also by requesting the feedback from the students. Meetings to discuss academic results of subject from respective department are also routine part of practice. Suggestion box department wise are available for anonymous feedback to improve on the system practices. In the meeting after rigorous discussion the proper suggestions to improve on the teaching-learning practices are communicated to the concerned person for implementation and the loop is closed during the next meeting in same academic year or semester.

Examination and Evaluation

? Examination and Evaluation -Again being affiliated with SPPU we are not the deciding authority. The teachers are promoted to be active member of central assessment program (CAP) of university regularly. The senior faculty members of college are also given 'On Duty leave' for exam related work like paper setting, online as well as practical and oral exam in campus off the camps. The college hosts university exam for all subjects offered as per scheduled by SPPU with adequate on site facilities necessary to conduct the examination effectively. Also the college is hosting and implementing the CAP for all the BE subjects of SPPU regularly from past 2005. Every single decision and policy observed by the college is student centric and is in their academic interests precisely.

<p>Research and Development</p>	<p>? Research and Development- the College has PG center for Electrical and ETC engineering. Also it has recognized research center for ETC. Few of the faculty members are recognized and nominated research guides under SPPU. The college has well defined policy to promote research culture amongst its faculties as well as the students. As a result the technical clubs of students are in existence. It has produced few entrepreneurs. The college has also got technology evolved for certain productions through Research Development clubs. Few of the patents are filed and few more are in process of claims.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>? Library, ICT and Physical Infrastructure / Instrumentation - The Infrastructure facilities are well in place. All kind of maintenance work in college is monitored undertaken by workshop section of First Year Department. Accordingly the workshop section under the First Year Department has got instructors recruited for civil, mechanical, electrical and carpentry work. For quality improvement the staff members are promoted for offering consultancy. F.E, electrical and instrumentation department are involved in consultancy work. All labs classrooms are well equipped for interactive teaching learning. Up gradation as well as updation of all labs and classrooms is done in accordance to revised syllabus and Industry requirement. Every year the purchase is intended. For technical specifications the teachers are authorized and purchase is monitored by the management. The purchase in library every year is also done in accordance with SPPU syllabus the research requirement of individual faculty members.</p>
<p>Human Resource Management</p>	<p>? Human Resource Management- the College has recruited adequate number of faculty members, technical staff the class four staff members as per the guidelines mandated by the apex bodies. The excess load is sufficed regularly and particularly by recruitment of staff members on adhoc basis.</p>
<p>Industry Interaction / Collaboration</p>	<p>? Industry Interaction / Collaboration- The dedicated team of faculty members is formed along with TP cell of college</p>

to fetch collaborative interactions with the industries working in the field of courses offered. The students are regularly sent for internship in addition to industrial training mandated under SPPU syllabus. The faculty members are also promoted to interact with industry staff members are properly credited through the performance based appraisal policy of college for interaction with industries. 'Memoranda of Understanding' (MoU) are made by various departments with industries for professional development of the students and staff members through the collaborative work. The industry people are requested to become part of examination system to evaluate the academic performance of the students. The industry experts with proven track in the subject approved by the University are normally deputed as resource persons for students. That benefits teachers as well.

Admission of Students

? Admission of Students- The admission in the college is offered by the central admission process (CAP rounds) and system as decided by the apex bodies including DTE, AICTE, UGC and SavitribaiPhule Pune University. The college also offers Facilitation Center for the professional course admissions under DTE, Maharashtra. Institute has conducted engineering admission process seminar by Mr. Kedar Takalkar. Faculty members conduct Lecture on career counselling for 12th std. students

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	? Planning and Development- All the mandatory disclosures as per apex bodies are in place, www.aissmsioit.org
Administration	? Administration- The parent society as well as institute always work together to achieve betterment in administration by maintaining the utmost transparency in all the courses offered. In order to check the status and the updates related administration the college participates in different surveys conducted by NGOs, Government agencies or private agencies. As a part of this process the feedback from all the stakeholders is sought frequently.

Finance and Accounts	? Finance and Accounts- In order to maintain transparency all the payments made or received are done online or through cheques. In order to meet the daily expenses to be incurred, petty cash facility is available with certain financial freedom delegated to the Principal. Accounts are available on college website under mandatory disclosures.
Student Admission and Support	? Student Admission and Support- We follow the CAP round process laid down by the DTE Maharashtra and the other apex bodies. Information and status of admission is always updated online. College supports the admission process by hosting facilitation center.
Examination	? Examination- The necessary Infrastructure and human resources are well in place at college for organizing the university examination either online or the manual examination. The state of the art system to support the entire examination process is established at the college, including dedicated server for examination work. Receiving the question papers, submission of student's performance evaluation report, remuneration bills towards examination work are observed using online system. The authorities believe e-governance help in transparency and trust worthy system of work

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Amol Chaudhary	NPTEL Exam Fees	-	800
2020	Dr V K Bairagi	NPTEL Exam Fees	--	800
2020	Mrs . K. S. Gadgil	NPTEL online Course on Power System Analysis (IIT Kharagpur)	-	9632
2020	S M Shaikh	2020 International Conference on Innovations in Engineering Education - 2020 Advances	-	9632

		in Science and Engineering Technology (ASET) International Conferences. (Higher College of Technology (HCT)-Dubai)		
2020	A A Randive	NPTEL Exam Fees	-	550
2019	Dr.Sarika A.Panwar	NPTEL Exam Fees	-	1000
2019	Ms. Pradnya Bormane	NPTEL Exam Fees	-	550
2019	Ms. Amrapali Chavan	NPTEL Exam Fees	-	500
2019	Mrs. Shikha Agrawal	NPTEL Exam Fees	-	500
2019	Dr. Y.P.Patil	International Conference youth endeavors for social innovation using sustainable technology 2019 (YESIST) , at Thailand	-	12785
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	One day workshop on "Syllabus discussion of Process instru Industrial Automation "	-	01/07/2019	01/07/2019	15	0
2019	Short Term Training Programme through ICT Mode	-	01/07/2019	05/07/2019	40	0

	on "Automated Manufactur ing Systems"					
2019	Online FDP on SCILAB	-	04/05/2019	09/05/2019	219	0
2019	STTP on Network Security Inderjeet Shah NITTR Kolkatta	-	24/06/2019	28/06/2019	51	0
2019	-	ICT STTP Laboratory Safety Management AISSMS IOIT Pune	23/09/2019	27/09/2020	0	36
2020	FDP on Block chain Technology Emurgo company	-	17/02/2020	18/02/2020	20	0
2020	Internatio nal Conference on Emerging Smart Computing and Inform atics (ESCI) 202 0) Organis ed by All India Shri Shivaji Memorial Society's, Institute of Informa tion Techn ology, Pun e Sponsor ed by IEEE Pune Section.	-	12/03/2020	14/03/2020	126	0
2020	One Week Online National Level Faculty De velopment Program on	-	25/05/2020	30/05/2020	1100	0

	"Recent Trends and Innovations in Digital Forensic					
2020	Two days workshop on "Technical Paper Writing: Plagiarism issues, H-index"	-	25/02/2020	26/02/2020	115	0

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Online FDP on Effective Proposal Writing for Research Funding	3	13/05/2020	18/05/2020	05
STTP on Automated Manufacturing Systems	9	01/07/2019	05/07/2019	05
Hi-tech Advanced PLC Programming	1	02/07/2019	06/07/2019	05
Faculty Development Programme on "Infrared Spectroscopy for Pollution Monitoring"	1	01/07/2019	31/08/2019	61
Faculty Development Programme on "Designing Learner-centric E-learning in STEM Disciplines"	1	01/07/2019	31/07/2019	61
NPTEL on line course on "Digital Circuits"	1	01/08/2019	31/10/2019	90

Faculty Development Programme on "Awareness on Open Resource Platform for Online Learning, Research and Self-study"	1	04/10/2019	04/10/2019	01
Process Automation Day	1	09/11/2019	09/11/2019	01
International conference on "Recent Advances in Communication, Energy and Sensors"	1	13/11/2019	15/11/2019	03
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
70	121	78	90

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident fund, Gratuity, Group Insurance Scheme (GIS), Sponsorship for Higher Study, Credit Society.	Provident fund, Gratuity, Uniform, Group Insurance Scheme (GIS), Credit Society	Insurance, Paper Presentation, Sports Activity fees with TA DA, Prize Money, Conference/ Seminar/ Workshop Fees with TA /TD

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Institution conducts internal and external financial audits regularly. Internal and external auditors are appointed by the AISSM Society. The internal and external audits are carried out in each half of the financial year. The last audit for the year 2018-19 has been carried out by internal Auditor in April 2015 and External (Statutory) Audit in May 2018. External Audit Report- • Balance in current liabilities are subject to confirmation, reconciliation and adjusts, if any, required. • Fixed assets are stated at written down value instead of at gross value and accumulated depreciation. • Internal control procedure and systems, particularly in respect of purchase transactions, reconciliation of exam fee, and timely settlement of advances have scope for improvement. The necessary instructions have been given to the concerned for compliance of the remarks given by auditors.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
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STPI, Prygma Information Systems LLP, Vidyalkar GATE Classes, Aspiring Minds, Collegepond, Travelog Immigration, Technical Publication, BITC2104/ LD ENGINEERING PUNE, Keysight Technologies Geekayasindisa, Veena Hind Overseas Education, Gradsmith, Kareer kraf	405487	Sponsorship received for 2nd IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2020) @ AISSMS IOIT PUNE
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6.4.3 – Total corpus fund generated

405487

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Dr. Manoj Nagmode, Professor and Head of Department E and TC Engineering, Govt. College of Engineering and Research, Avasari Khurd, Pune	Yes	IQAC Internal Assessment Committee
Administrative	Yes	R. P. Mutha associates, Pune	Yes	Admin office

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

- Parent- teacher meet
- Feedback / Suggestions from parents if any
- Providing contacts for Industrial Visits / Expert lecture / etc.
- Providing leads / contacts for placement of students

6.5.3 – Development programmes for support staff (at least three)

1. ICT STTP Laboratory Safety Management AISSMS IOIT Pune
2. Inkspace (spoken tutorial in association with IIT Bombay)

6.5.4 – Post Accreditation initiative(s) (mention at least three)

- Post accreditation initiatives
1. Approval of cash awards to best teacher.
 2. Setting the questions of internal assessment (unit test, assignments etc.) as per understanding levels of Bloom's Taxonomy was started in the second semester of 2016-17. Class wise weightages for the learning levels are decided and followed by all the teachers.
 3. Open Course Ware based assignments were introduced for T.E. B.E. classes in the second semester of 2016-17.
 4. Standardization of feedback forms.
 5. Introduced Student satisfaction survey

(SSS). Analysis of SSS was shared with the respective department for preparation of action plan in order to improve overall quality of the department and institute. 6. Prepared and sent proposal for recording studio development and lecture capturing system to the management for approval. 7. The institute has started iConnect (individual-industry-institute Connect) program second semester of 2017-18. This year it is made mandatory for third year students to do internship after the end sem. examination under Connect program. 8. Purchase of Microsoft surface pro for implementation of e-learning and smart class room. 9. Formation of ED Cell. 10. Started foreign language courses. 11. Starting of incubation center. 12. Starting of Adolf Solutions Pvt. Ltd. (A start-up under incubation center).

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Faculty Development Program on Preparing for NBA Accreditation with a Case Study of Course and Program Outcomes Attainment	28/05/2020	28/05/2020	30/05/2020	104

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Information Technology Students Association (ITSA) - Blind coding, Knock Down The OS, Chess	10/09/2019	11/09/2019	40	43
Instrumentation Students Association for	10/09/2019	11/09/2019	18	19

Technical Society (INSATS) - Paper Presentation, Technical Essay Writing, Talent Show(singing)				
Electrical Engineering Students Association (EESA) - Teachers Day Celebration, Snap Hunt, Technical Interview	10/09/2019	11/09/2019	73	171
Workshop on soft skill confidence building and positive thinking	04/09/2019	04/09/2019	29	35
Workshop on Industrial Approach in Electronics	19/08/2019	21/08/2019	45	75
Workshop on Effective Teaching by NITTR Kolkata	15/07/2019	19/07/2019	48	36
Workshop on Embedded System Design	02/10/2019	03/10/2019	11	23
Unnat Bharat Abhiyan	28/01/2020	28/01/2020	17	33
Inter Department Sports Badminton	19/01/2020	19/01/2020	13	43
Inter Department Sports Table Tennis	18/01/2020	18/01/2020	6	25
Alacrity-2020, Annual Tech Fest	18/02/2020	21/02/2020	95	162
Telecommunication Engineering Students Association (TESA) - Project	10/09/2019	11/09/2019	69	38

Competition, Cultural Antakshari, Game of Circuit				
Computer Engineering Student Association (CESA) - Googler, Expression, Mysterio	10/09/2019	11/09/2019	98	100
Department of Engineering Sciences Students Association (DESSA) Meme War, Your Side, Poetic Fiesta, Comic Combat	08/06/2020	10/06/2020	53	74

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
1. In a move to opt sustainability/Alternate energy resources our Institute has installed solar panel system of 100kW (kilowatts).Percentage of power requirement of College met by this renewable energy source is 25-30 . 2. Rain water harvesting structure and utilization done in the campus. 3. Around 7-8 of lighting requirement is met by LED lighting . 4. Green audit done in the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	5	2	15/06/2019	1	SPPU PG Online Exam	Conducted online Post Graduate examination for	300

						SPPU	
2019	5	2	17/06/2019	365	Bus Transport Facility	As traffic problem has become a major hurdle in central part of city. Institute has opted and encourage students to avail facility of shared transportation.	150
2019	5	2	07/07/2019	1	SPPU M.Phil Entrance Examination	Conducted online M. Phil entrance examination for SPPU	217
2019	5	2	07/07/2019	1	SPPU PhD Entrance Examination	Conducted online PhD entrance examination for SPPU	148
2019	5	2	24/08/2019	2	AFCAT Examination	Conducted four sessions of AFCAT examination for Air Force	1000
2019	5	2	04/09/2019	1	Blood Donation Camp	Creating awareness in the young generation regarding blood donation.	42
2020	5	2	11/01/2020	7	Special NSS Camp	Creating Social awareness among students about the	150

rural life in India. Creating Social awareness among the rural citizens about girls education, cleanliness, women empowerment etc.

No file uploaded.

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Quality Assurance Manual	19/02/2019	Our quality processes are continuously monitored and tailored by IQAC on the regular intervals which helps the institute to create guidelines for eliminating redundant activities. With this objective IQAC continuously redraft report format to meet need of teaching learning analysis and improvement. IQAC has made modification in standard formats of reporting and analysis like feedback, result analysis, i-Connect, course file and academic monitoring file. IQAC has uploaded and shared the revised version of standard documents on the cloud for easy and quick access.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Kolhapur flood relief activity	18/08/2019	21/08/2019	38
Blood donation camp	04/09/2019	04/09/2019	42
Mahatma Gandhi Jayanti Celebration/Swachh	02/10/2019	02/10/2019	30

Bharat Abhiyan			
Plastic ban pledge	05/11/2019	05/11/2019	40
Inernational Yoga day Celebration	21/06/2019	21/06/2019	31
Shri Chhatrapati Shahu Maharaj Jayanti Celebration	26/06/2019	26/06/2019	34
Tree Plantation on Dighi Hill	12/07/2019	12/07/2019	126
Lecture on Universal Human Values by Raghavan Koli	14/08/2019	14/08/2019	44
Lecture on Universal Human Values by Dr. J.S. Chitode	14/08/2019	14/08/2019	32
Independence Day celebration	15/08/2019	15/08/2019	80

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Tree plantation was done in the campus by NSS and SWO team 2. Institute has Installed roof top solar power plant 3. Green audit was done in the campus 4. Rain water harvesting plant implemented in the campus. 5. Institute encourages staff and student to use bicycle for local transportation. 6. E-waste management system is in place which properly disposes the ewaste generated in college 7. Bus facility and car pooling for reducing carbon foot prints 8. Institute took initiative to recycle old newspapers, journal files and used papers etc

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I (2019-20) Title: Multimodal Communication Skill Development Program Objectives: • To identify students with poor written, verbal communication and presentation skills. • To make students realize the importance of communication in technical world. • To improve presentation and communication skills of students. • To inculcate the art of conversation among the students. • To instill self-learning habit among the students. The Context Most of the students admitted in first year are from vernacular background who are technically able but weak in soft skills which makes impact on their placement. Taking this into consideration, the Institute has initiated "Multimodal Communication Skill Development Program". Language labs are becoming center of attraction at institutions as they provide reliable and structured learning environment to the students. Technological changes are motivating faculties to create more interactive learning scenarios for the students. Theoretical learning cannot ensure effective development of language skills. To incorporate joyful and interactive learning, a "Multimodal Communication Skill Development Program" plays a key role in inculcating essential language skills such as reading, writing, listening and speaking. More comprehensive self-learning environment can be provided to the students with the use of digital media as this practice does not require any hardcore technical skills for effective implementation. A Multimodal Communication Skill

Development Program would help students with written, and verbal communication skills. For students, the program will provide a central support system as they learn to communicate in multimodal ways. Specifically, students will be able to meet with either a peer tutor or a peer mentor and students are supported in one-on-one or small group sessions focused specifically on communication. The practice

- Use of Language Lab software: For improvement in reading and verbal communication skills of the students language lab software is used.
- Open Course Ware (OCW) assignment: Students are asked to watch video lectures available on open course ware modules and write brief description of it in the prescribed format as an assignment. This improves the listening and writing skills of the students.
- 50-10 module: During a 60 minutes lecture, 50 minutes are for teaching by the faculty member and 10 minutes are given to student to summarize the contents. This improves the presentation skills, verbal skills and confidence of the students.
- Library hour: Every week library hour is incorporated in regular time table to instill self-learning habit. The students refer to books/journals and write summary of the contents read. This helps to improve the written communication skills of the students.
- Lexicon Power: Every day a new word and its meaning is written on a display board to improve the vocabulary of students.
- Campus to corporate readiness program: To inculcate employability skills in the students, various programs are conducted at institute level in collaboration with reputed industries like Forbes Marshall, Institute of Holistic Healing etc.

Problem encountered

- Due to limited number of license for language lab, the batch size is restricted to 20.
- As the activity is carried out after regular academic time table, students are less keen to attend the session. Evidence of success
- Noteworthy participation of students in paper publications and project competitions.
- Significant improvement in the placement.
- Students are able to solve case study assignment effectively.
- Students are able to demonstrate competent written and verbal communication skills during theory, oral and practical examinations.

Best Practice II (2019-20) Title: Assistive Technology initiatives. Objectives:

- To trigger young minds towards day to day challenges of the specially abled and elderly people.
- To develop projects through research and innovation in assistive technology.

The context: Every human being in the society has the fundamental right to live independently with dignity. Specially abled and elderly people have to face many challenges related in their day to day life. With the help of modern technology it is possible to find affordable solutions to these challenges. The focus is on mobility and education as it is one of the fundamental requirements of every individual to live with dignity and independently. We expect to create an eco-system that helps to sensitize younger generation towards day to day challenges of the specially abled and elderly people. The practice:

- Teacher sensitizes the students about the social responsibility towards specially abled and elderly people through social visits.
- Teacher motivate students to start with mini project at third year level which can be continued further as their final year project. Review is taken time to time to observe their progress.
- Once the project is ready, students are asked to promote their ideas by participating in various events.

Problem encountered and resource required: Problem encountered:

- As specific components are required, procurement of these components is often very expensive and lengthy process.
- It is difficult to give generic solutions due to unique needs of individuals.
- It is difficult to get the requirements and database required for the project from local hospitals.
- Initial investment in such projects is normally high.

Resources required: Laboratory infrastructure, workshop facility. Evidences of Success:

- Students have completed the projects on Electronic wheelchair, Prosthetic leg, haptic arm, hand gestures.
- Students have participated in Poster and Project competition and won award.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your

institution website, provide the link

<https://aissmsioit.org/naac/best-practices/best-practices-2019-20/>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

1. The saga of Royal Heritage- All India Shri Shivaji Meomrial Society, established in 1917, is a premier educational institution in Pune. It is founded by visionary Shri Shrimant Chattrapati Shahu Maharaj of Kolhapur to promote the noble cause of education. The foundation stone of AISSM Society was laid by the auspicious hands of his Royal Highness, the Prince of Wales on 19th November, 1921 in Pune. It was established with the well-defined objective to bring about holistic development of students and to create technically skilled manpower in various fields. It is a result-oriented Society dedicated to the noble cause of Military, General, Technical, Management Education in India. It functions beyond race, caste, creed, religion political spirit. The Society Management is very pragmatic progressive. Since its inception in 1917, it has been the Society's endeavor to continuously improve its initiatives. Today the Society has made a huge foray into the noble field of education, meeting the all-around requirements on various fronts including emerging areas. For it is to succeed, we have preserved our royal heritage and also provided the most modern infrastructure to our institute. With its distinctive mission a history that has made it a leader in the field of education. Education today, not only focuses on imparting knowledge skills but also on the overall development of the students. With state-of-the-art infrastructure and dynamic faculty, ASSMS is marching ahead on all avenues of education right from primary schooling to specialized technical institutes. With this legacy of over 100 years we have enriched the educational scenario in the city by offering a rich heritage, quality education and a dynamic incubation cell for the young minds to perform experiment . 2. Location Privilege- Our institute is centrally located in the heart of the Pune city. The institute is just a few steps away from Pune Railway station and at a walking distance from the Bus Terminus. The Pune international airport is just 6 Kms away. As it share close proximity with city center, it has an added advantage of location so it provides best connectivity in terms of all types of transport and easy access to students living in various parts of city. Apart from this it is convenient and time saving for all professional and experts from various industries to commute to institute for various activities like seminars, workshops and placement drives. The neighborhood of institute is surrounded by many industries and commercial buildings still it has green lavish campus with plenty of space for all cultural and sports activities. Our institute is also considered as first choice and most preferred location for organizing various pool campus and various competitive examinations. The institute has the vision to uplift common masses by rendering value added education. To achieve this institute is continuously working towards creating engineers receptive to the changing demands of the global market.

Provide the weblink of the institution

<https://aissmsioit.org/wp-content/uploads/2020/09/Institutional-Distinctiveness-2019-20-1.pdf>

8.Future Plans of Actions for Next Academic Year

1. To initiate the procedure for academic autonomy. 2. Applying for 2nd cycle of NAAC. 3. Applying for NBA. 4. To develop networking with international universities. 5. To encourage students to opt for summer training programs in international universities. 6. To increase the number of placements through the activities under 'iConnect' program. 7. To increase the number of students

undergoing industrial training/internship. 8. To increase research publications indexed journals