Annual Quality Assurance Report (2017-2018)

Submitted
By
Internal Quality Assurance Cell

All India Shri Shivaji Memorial Society's
Institute of Information Technology
Pune, Maharashtra

Submitted
To
National Assessment and Accreditation Council (NAAC)

October 2018

Part – A

Data of the Institution

- Name of the Institution: All India Shri Shivaji Memorial Society'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.: (020)26058877 /(020) 26057636

- Mobile no.: 9422083312

- Registered e-mail: principal@aissmsioit.org

- Alternate e-mail : pbmane6829@rediffmail.com

- Address   :1, Kennedy Road, near RTO

- City/Town   : Pune

- State/UT   : Maharashtra

- Pin Code   : 411001

2. Institutional status:

- Affiliated / Constituent: Affiliated
- Type of Institution: Co-education/Men/Women: Co-education
- Location : Rural/Semi-urban/Urban: Urban
- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing: UGC 2f and 12 (B) and Self financing
- Name of the Affiliating University: Savitribai Phule Pune University, Pune
- Name of the IQAC Co-ordinator : Ms. Mousami Vanjale
- Phone no. : (020)26058877 ext. 2418

    Alternate phone no. -

- Mobile: 9423872768

- IQAC e-mail address: mousami.vanjale@aissmsioit.org

- Alternate Email address: vmousami@gmail.com

3. Website address: www.aissmsioit.org

Web-link of the AQAR: (Previous Academic Year):
aissmsioit.org/wp-content/uploads/2017/07/MHCOGN23965-AISSMS-Institute-of-InformationTechnology-Pune-Maharashtra.pdf

4. Whether Academic Calendar prepared during the year?

Yes/No....., if yes, whether it is uploaded in the Institutional website: Yes

Weblink: aissmsioit.org/wp-content/uploads/2018/08/academic-planner-3-august.pdf

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	A	3.09	2016	from:2016 to: 2021
2nd				from: to:
3rd				from: to:
4th				from: to:
5th				from: to:

6. Date of Establishment of IQAC: DD/MM/YYYY: 01/07/2009

7.1Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	**Date & duration**	**Number of participants/ beneficiaries**
Induction program for newly appointed faculty members	11/07/2017 to 17/07/2018	23
Session on meditation for stress management	18/08/2017	29
Meeting for central committee coordinators	07/09/2017	31
Cultural program for ladies staff members	27/09/2017	50
Orientation lecture on 'revised PBAS" by Principal	23/10/2017	100
Internal Academic Audit	13/11/2017 to 15/11/2017	150
Session of "application of MATLABR2017b"	20/12/2017	17
Orientation on "New NAAC (July 2017) Framework"	08/01/2018	125
Student satisfaction survey	01/03/2018 to 10/04/2018	123
Internship for final year students of AY 2018-19	01/06/2018 to 30/06/2018	368
Participation in NIRF	September to November 2017	

			7.
Preperation for NBA (applied and submitted pre qualifier)	November 2017		
Submission of AQAR for AY 2016-17	06/07/2017		

Internal Quality Assurance System

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 (Rs.)
Dept. of nstrumentation Engineering	BCUD – SPPU Research grant	BCUD Savitribai Phule Pune University, Pune	2 Years (2017-2019)	1,00,000.00
Dept. of E &TC Engineering	BCUD – SPPU Research grant	BCUD Savitribai Phule Pune University, Pune	2 Years (2017-2019)	1,90,000.00
Dept. of E &TC Engineering	BCUD – SPPU Research grant	BCUD Savitribai Phule Pune	2 Years (2016-2018)	1,60,000.00

		University, Pune		

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

https://aissmsioit.org/wp-content/uploads/2018/10/IQAC-Member-List.pdf

10. No. of IQAC meetings held during the year:Four (04)

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website: Yes/No: **Yes**
https://aissmsioit.org/wp-content/uploads/2018/10/MoM-and-Action-taken-reports-of-IQAC-Meetings-in-AY-2017_18.pdf

11. Whether IQAC received funding from any of the funding agency to support itsactivities during the year?   Yes   No ✓

If yes, mention the amount: -   Year: -

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

- Revision of Performance Based Appraisal (PBA) for performance evaluation of faculty members

- 'Changing gears' - A training program, conducted in association with Industry (Forbes Marshall Pvt.Ltd) to bridge gaps between academics and industry requirements and enhance the personality and employability skills of engineering students

- Initiated '*iConnect*' (*Industry, Institute, and Indivisual Connect*) program for enhancing interaction between institute and industry which involves contribution by every indivisual teacher.

- Initiated practice of NPTEL online courses for students and teachers.

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

Plan of Action	Achievements/Outcomes
To conduct regular IQAC meetings.	Four IQAC meetings were conducted on following dates: 1. 20/07/2017 2. 10/10/2017 3. 08/02/2018 4. 12/04/2018
To organize induction program for newly recruited faculty members.	Induction program for newly recruited faculty members was conducted on 11, 12 & 20 July 2017. 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 celebrate Teacher's Day – (Rewards system)	Teacher's Day was celebrated on 05/09/2018 and rewards were given to best teacher, best class, best GFM, best department, best HoD etc.
To conduct Internal Academic Audit	Internal Academic Audit of sem. 1 was conducted by Internal Assessment Committee during 13/11/2017 to 15/11/2017. Inspection reports were submitted on/before 13/11/2017 while Compliance reports were submitted 14/12/2017 by all the departments. Internal Academic Audit of sem. 2 was conducted by Internal Assessment Committee during 25/04/2018 to 27/04/2018. Inspection reports were submitted on/before 30/04/2018 while Compliance reports were submitted 14/06/2018 by all the departments.
To initiate practice of NPTEL online courses for students and teachers	55 faculty members and 08 students had successfully completed NPTEL online courses.
To start 'Changing gears' - training program	'Changing gears' initiative was organized by training and placement department in association with Forbes Marshell Pvt. Ltd. and CII for students from the underprivileged section of the society. The aim of this initiative is to inculcate English reading, writing, listening, and speaking skills among the students for development of dynamic personality and to improve employability skills. Students were encouraged to think on their own and form their ideas using their experience, knowledge and imagination. The program was introduced on 03/08/2017 and total 97 students participated.
To initiate 'iConnect' (Industry, Institute, and Indivisual Connect) program	The institute has started '*iConnect*' (individual-industry-institute Connect) program. This year it is made mandatory for third year students to do internship after the end sem. examination under iConnect program. T & P coordinator has shared the industry contacts with third year students to help them get the internships. Total 366 students have completed their internships.
To apply for accreditation by NBA of E&TC and computer departments.	Pre qualifiers of E&TC and computer departments were prepared and submitted to NBA.
To apply for research grants to various agencies for funding.	Number of research proposals submitted to - • QIP to SPPU – 3 • BCUD SPPU – 23 • DST – 3 • AICTE – 12

To update infrastructure and laboratory resources.	Name of the Department	Amount (Rs.)	
	Information Technology	6,51,360/-	
	Electrical Department	1,62,256/-	
	Instrumentation Department	1,42,626/-	

	Computer Engineering	6,51,360/-
	E&TC	14,34,585/-
	First year Engineering	14,41,836/-

To organize workshop on 'Intellectual Property Rights'	Two Days Workshop on 'Intellectual Property Righ' for UG/PG students and Research scholars, was successfully conducted on 14/03/2018 & 15/03/2018 under the sponsorship of SDO SPPU, Pune. In this workshop 100 students belonging from different nearby institutions and from our college, were present for the two days workshop.
To organize workshop on 'Personality Development'	Workshop on 'Personality Development' was successfully conducted for more than 100 students on 31/01/2018. There were 3 eminent speakers namely Mr. M. K. Lokhande, Dr. Sunil Karpe and Mr. Sunil Patil who conducted sessions on Yoga and Pranayam Rahasya, Positive Thinking and Personality Development respectively.
To organize workshop on 'Disaster Management'	Workshop on 'Disaster Management' was successfully conducted on 16/03/2018 with more than 100 student participants. A demonstration of all fire safety equipments and practical sessions were conducted by Mr. Vijay Bhilare- Fire Station Officer and his team.
To organize 'Faculty orientation workshop TE 2015 course Subject : Mechatronics' under the aegis of SPPU	Faculty orientation workshop TE 2015 course Subject: Mechatronics' was successfully organised by E&TC Department on 24/06/2018 & 25/06/2018. Total 60 participants attended the workshop.
To organize 'Faculty orientation workshop on Deep learning with hadoop' (IT)	State level faculty orientation workshop on Deep learning with hadoop' was successfully organised by IT Department on 10/01/2018 & 11/01/2018. Total 30 participants attended the workshop.
To organize Hands-on FDP on 'Wavelet Application in Signal and Image Processing'(Instrumentation)	Hands-on FDP on 'Wavelet Application in Signal and Image Processing' was successfully organised by Instrumentation Department on 18/01/18 and 19/01/18. Total 30 participants attended the workshop.
To organize hands-on FDP on 'Antennas for modern wireless communication' (E&TC)	Hands-on FDP on 'Antennas for modern wireless communication' was successfully organised by E&TC Department on 01/02/2018 & 02/02/2018. Total 68 participants attended the workshop.
To organize Hands-on FDP on 'Recent trends in MEMS,power sources and electronic packaging' (E&TC)	Hands-on FDP on 'Antennas for modern wireless communication' was successfully organised by E&TC Department on 25/06/2018 to 30/06/2018. Total 40participants attended the workshop.
To organise "ALACRITY" National Level Techfest /Annual Day.	"ALACRITY" National Level Techfest /Annual Day was successfully organised by institutional cultural committee
To celebrate different days.	Days like Science Day, Women's Day, World Health Day, and World Environment Day were successfully organised.

14. Whether the AQAR was placed before statutory body?   Yes

   Name of the statutory body: College Development Committee   Date of meeting(s): 28/08/2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to

assess the functioning?
Yes/No: No   Date:

16. Whether institutional data submitted to AISHE: Yes/No: Yes

    Year: 2017-18   Date of Submission: 15/02/2018

17. Does the Institution have Management Information System?
    Yes ✓No

    If yes, give a brief description and a list of modules currently operational.

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. I-card 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.
The institution meticulously plans for effective implementation of the curriculum. The detailed process is stated below: Planning for the Term: i.   Preparation of Curriculum and academic calendar as prescribed by the University. The departments of the Institute prepare academic calendar in line with the academic calendar prescribed by the University. This academic calendar considers details of each and every activity like guest lectures, industrial visits, various departmental and college level technical and non-technical activities in association with professional bodies like EESA, NSS, and IEEE etc. for all classes as well as curricular and co-curricular activities of the department.

ii. Finalizing of Faculty for each subject and Electives to be included in next semester:
- Before the end of the term, subjects for the next semester from curriculum are floated to faculty and each faculty submits his/her top subject preferences to the HOD. Likewise, the electives are also floated to the students and choice is taken from the students so as to finalize and plan in advance for the electives.
- The Faculty for a particular subject is finalized in the department meeting headed by the HOD, after considering the faculty preference, qualification, area of expertise, number of times subject taught and experience. The subject distribution is planned and communicated well in advance for proper preparation.

iii. Preparation of Timetable:
Timetable is prepared considering class, faculty for each subject and availability of classroom and is approved by the HOD, Principal and displayed on notice boards and college websites prior to commencement of new term.

iv. Preparation by each Faculty:
- For the subject allotted, each faculty prepares teaching plan for theory, practical and co-curricular activities before the start of the term taking into consideration the academic calendar.
- Lab manuals are prepared for each subject by the respective subject in charge with all compulsory experiments, procedures for conduction of experiments, theory or background required for a particular experiment, safety precautions ,observation table, calculations and important oral questions are all incorporated in the lab manual itself.
- Course files for each subject are also prepared, maintained and updated regularly.

v. Academic Monitoring Committee:
- Academic monitoring committee regularly monitors the classes and takes regular feedback of students, staff, addresses any grievances and conveys it to HOD for corrective measures.
- Each faculty maintains daily attendance sheet of both theory as well as practical, project, etc.
- A Guardian Faculty Member (GFM) is appointed for each class who collects this data from respective subject teachers to identify students with poor attendance. Parents of such students are informed by telephone and sms alerts are also sent on regular basis.
- Staff feedback from students is taken twice in a semester and analyzed by the GFM. If the feedback is poor the faculty is advised to take corrective measures by the HOD.
- GFM also collects the data regarding syllabus coverage, defaulter students at end of each month and this is reviewed in the Academic monitoring committee meeting every month.
- Follow-up of defaulter students is done by counseling and sending attendance reports to parents or meeting the parents if need be.
- Apart from this teaching staff meetings are held every week by the HOD to review the teaching learning process, academic progress of the students, grievances if any and suitable remedial measures are taken as and when necessary

vi. Resource Planning:
- Dead stock verification of laboratories is done at the end of each semester.
- Instruments which require repair or are obsolete are identified.
- New raw material, consumables, equipment's, instruments, demonstration kits, and/or software for the laboratories are identified and accordingly the Lab. In charge gives requirement and budget for the respective lab.
- These requirements from all departments are given to the "Purchase Committee" which then calls for quotations.
- Comparative statements are prepared to release requisition for purchase of raw material, equipment, instruments, demonstration kits and software for laboratories.
- After receipt of these, demonstration is arranged for all faculties and test report is prepared.

vi. Projects Selection for students:
- There is a project coordinator in each department who is responsible for taking the project groups from students prior to the start of the semester and assigning project guides to these student groups.
- The students are encouraged to get company sponsored projects, innovative projects and even

- college sponsors few projects every year.
- 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 : NIL

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year: NIL

Programme with Code	Date of Introduction	Course with Code	Date of Introduction

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented atthe affiliated Colleges (if applicable) during the Academic year.

Name of Programmes adopting CBCS	UG	PG	Date of implementation ofCBCS / Elective Course System	UG	PG
Electrical	BE	ME		2015	2013
Electronics &Telecommunication	BE	ME			
Electronics	BE				
Computer	BE				
IT	BE				
Instrumentation	BE				

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

No of Students	No of Students	No of Students
NA	NA	NA

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
Soft Skill/Aptitude	19/09/2017	525
Soft Skill/Aptitude Guidance	08/01/2018	641
Soft skill	26/12/2017	525
Changing Gears(Forbes Marshal)	03/08/2017	97
Japanese Language	02/09/2017	366
German Language	30/06/2017	60
Telecom Skill Sector Council (TSSC)	12/01/2018	08

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for	
	Internships	Field Projects
Electrical	28	31
Electronics & Telecommunication	92	47
Electronics	37	3

Computer	115	51

CRITERION II -TEACHING-LEARNING AND EVALUATION
2.1 Student Enrolment and Profile
2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
UG	540	598	457
PG	36	23	16
IT		7	27
Instrumentation		89	28

1.4 Feedback System
1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes

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

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 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 analyzed 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.

2.2 Catering to Student Diversity
2.2.1. Student - Full time teacher ratio

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses

2017-2018	2214	23	145	06	151

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.

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
151	151	Desktop computers, high speed internet connectivity, LCD Projector,LCD Screens and Audio-Visual Aids	28	-	IEEE transactions,Science Direct,Elsevier, NPTEL

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 co-curricular 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. The teachers those are mentors and counsellors meet the students periodically/as and when needed and monitor their performance and activities.

- Counseling forms are maintained by the mentors-counsellors, which includes –
    - Personal Information

    - Previous Academic Record

    - Academic Performance

    - Competitive Examination Details

    - Details of Internship and Industrial trainings

    - Scholarships/awards received

    - Co-Curricular and Extra-Curricular activities.

    - Discussions, progress records.

- 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, SMS and personal meetings with parents of such students regularly in order to resolve issues if any.
- Head of the institute and Head of departments also counsel students as and when needed.
- Students are motivated to participate in Earn and learn scheme where students can earn financial benefits.
- Students actively participate in NSS schemes such as Blood donation camps, shramdaan, Clothes Donation etc. to contribute for social causes.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
2214	151	14.66

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 withPh.D.
151	151	0	28	18
2.4.2 Honors and recognitions received by teachers *(received awards, recognition, fellowships at State, National, International level from Government, recognized 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	
2018	Dr. P. B. Mane	Principal	Bharatiya Vidya Bhavan National Award For Best Engineering College Principal Given By Indian Society For Technical Education, New Delhi in the 47th Indian Society for Technical Education National Annual Convention which was held on 27th-29thJanuary,2018 in Saintgits College Of Engineering, Kottayam, Kerala	
2018	Dr. P. B. Mane	Principal	"Best Principal of the year" given by Computer Society of India in the TechNext-2018 which was held on 10th& 11th February,2018 in Victor Menezes Convention Center, IIT, Bombay	
2017	Mr.H.P.Chaudhari	H.O.D Instrumentation	IETE –LAL C VERMAN Award 2017	

2017	Mrs.SarikaN.Zaware	HOD of (Computer Engineering Department)	"Best accredited student branch" given by Computer Society of India
2017	Mrs.D.S.Zingade	Assistant Professor	"Longest Continuous Student Branch Coordinator" given by Computer Society of India.
2017	Mr. J.B.Patil	Assistant Professor	Certified by Telecom Skill Sector Council (TSSC) as Android trainer.
2017	Mr. R. N. Jadhav	Assistant Professor	Certified by Telecom Skill Sector Council (TSSC) as Android trainer.
2017	Mr. R. V. Sadakale	Assistant Professor	Certified by Telecom Skill Sector Council (TSSC) as Android trainer.
2017	Mr. V. J. Desai	Assistant Professor	Won gold medal in 45th Maharashtra Senior Judo Championship 2017-18, held at Ahmednagar.
2017	Mr. V. J. Desai	Assistant Professor	Appointed as guide for Pune district sport teacher training workshop.

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
UG	B.E	1	09/12/2017	16/01/2018
	T.E		08/12/2017	09/02/2018
	S.E		09/12/2017	04/02/2018
	F.E		27/12/2017	22/01/2018
PG	M.E	1	26/12/2017	16/01/2018
UG	B.E	2	24/05/2018	04/07/2018
	T.E		25/05/2018	20/07/2018
	S.E		26/05/2018	01/08/2018
	F.E		25/05/2018	23/06/2018
PG	M.E	3	01/06/2018	10/08/2018

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

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-Sem Examination- University has introduced the model of In-sem examination for Third year (TE), Final Year (BE) and Master of Engineering (ME) courses.
- Computerization- University has introduced online examination for evaluation of First and 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 PG Programmes.
   The reforms initiated by the Institute are –

	o Unit test examination, o Mock practical/oral examinations, o FE prelims, o 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	
	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 on website of the** **institution (to provide the web link)**	
	http://aissmsioit.org/first-year/vision-mission-peo/ http://aissmsioit.org/computer/vision-mission-peo/ http://aissmsioit.org/instrumentation/vision-mission/ http://aissmsioit.org/electrical/vision-mission-peo/ http://aissmsioit.org/electronics-telecommunication/vision-mission-peo/ http://aissmsioit.org/information-technology/vision-mission-peo/
2.6.2 Pass percentage of students	

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage (%)
74	Instrumentation Technology	53	52	98.11
90	Information Technology	55	52	94.54

76	Computer Engineering	A	69		67	97.10
		B	62		61	98.39
72	Electronics Engineering		42		39	92.85
71	Electronics &Telecommuni cation Engineering	A	63		60	95.24
		B	61		59	96.72
		C	40		39	97.50
70	Electrical Engineering		63		58	92.06

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 web link)

https://aissmsioit.org/wp-content/uploads/2018/10/SSS-Sem-I-2017-18-for-website-final.docx.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 organizations

Nature of the Project	Duration	Name of the Funding Agency	Total grant sanctioned	Amount received during theAcademic year
Major projects	-	-	-	-
Minor Projects Biomedical image indexing	2 Years (2017-2019)	BCUD Savitribai Phule Pune University,	Rs.1,00,000.00	Rs.50,000.00

and retrieval system		Pune		
Auditory Speech Enhancement	2 Years (2017-2019)	BCUD Savitribai Phule Pune University, Pune	Rs.1,90,000.00	Rs.90,000.00
Early Diagnosis of Alzheimer Disease using EEG Signals	2 Years (2016-2018)	BCUD Savitribai Phule Pune University,Pune	Rs.1,60,000.00	Rs.80,000.00
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects				
Power factor correction of three phase induction motor using PLC.	1 Year 2017-18	MD Electricals,Pune	Rs.15,000.00	
Implementation of IPv6	1 Year 2017-18	BSNL, G-Block, Plot No. 121/122 MIDC, Chinchwad, PUNE, Maharashtra 411019 020 2737 2750	Technical guidance and resources provided.	
Implementing MPLs layer 3VPNs	1 Year 2017-18	BSNL, G-Block, Plot No. 121/122 MIDC, Chinchwad, PUNE, Maharashtra 411019 020 2737 2750	Technical guidance and resources provided.	
Installation and commissioning of SDH STM-1 CPE and creation of VLAN over SDH network	1 Year 2017-18	BSNL, G-Block, Plot No. 121/122 MIDC, Chinchwad, PUNE, Maharashtra 411019 020 2737 2750	Technical guidance and resources provided.	
Endurance testing of engine oil pumps	1Years 2017-18	Shree Systems Pune	Rs.6,00,000.00	
Design and Implementation ofPhysiotherapic robotic arm and controlling it using Brain Waves	1Years 2017-18	Algorithmic Electronics	Rs.25,000.00	
Field flow meter simulator kit	1 Year 2017-18	Adept Fluidyne Pvt.Ltd, Pune	Rs.10,000.00	
Smart farming using automatic aeroponics system	1 Year 2017-18	Prathamesh Automation	Rs.25,000.00	
Engine simulator for control panel	1 Year 2017-18	Power Control Engineers, Pune	Rs.1,00,000.00	
Intelligent office Management System	1 Year 2017-18	S. V. Modular conveyors Pvt. Ltd.	Rs.1,50000.00	
Automatic Inspection System	1 Year 2017-18	K-IMAGINATION	Rs.30,000.00	
Fault detection and efficiency analysis of bottle	1 Year 2017-18	Monjin Interviews Pvt. Ltd.	Rs.30,000.00	

filling plant				
Projects sponsored by the University/ College				
Design and Implementation of real time electrical parameters for 3 phase system	1 Year 2017-18	All India Shri Shivaji memorial Society, Pune.	Rs.21,000.00	
Design of illumination scheme using solar panels.	1 Year 2017-18	All India Shri Shivaji memorial Society, Pune.	Rs.63,838.00	
Online Inward Outward System	1 Year 2017-18	All India Shri Shivaji memorial Society, Pune.	-	-
Online File Management System	1 Year 2017-18	All India Shri Shivaji memorial Society, Pune.	-	-
Students Research Projects *(other than compulsory by the College)*	-	-	-	-
1.Control unit for sanitary napkin vending machine.	3 Months 2017-18	Sumeet Facilities Pvt.Ltd	Rs.2,00,000.00	-
2.Three Phase mobile enabled electronic starter	2 Years 2016- 2018	All India Shri Shivaji memorial Society, Pune.	Rs.20,00,000.00	-
International Projects	-	-	-	-
Any other(Specify)	-	-	-	-
Harmonic Analysis of 10 KVA Single phase AC alternator and implementation of harmonic mitigation technique.	1Year 2017-18	Cummins Generator Technologies India private limited, Pune	Technical guidance and resources provided	-
Greenhouse environmental parameters monitoring and controlling	1 Year 2017-18	Spacicon Industries, Pune	Technical guidance and resources provided	-
Live Line Disc type Insulator Testing Using Posistron Insulator Detector.	1 Year 2017-18	MAHATRANSCO (MSEB)	Technical guidance and resources provided	-
Total	-	-	**Rs.37,19,838.00**	**Rs.2,20,000.00**

3.2 Innovation Ecosystem

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

Title of Workshop/Seminar	Name of the Dept.	Date(s)

SPPU Sponsored Two days' Workshop on IPR	E&TC		14/03/2018-15/03/2018
Seminar on IPR and interaction and guidelines for students having innovative ideas and projects	T&P		22/03/2018
"Changing Gears"(A training program, conducted in association with Industry (Forbes Marshall Pvt.Ltd) to bridge gaps between academics and industry requirements and enhance the personality and employability skills of engineering students).	Conducted by T&P Cell for selected SE-students of all departments		03/08/2018-29/09/2018

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

Title ofthe innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Laxman Rekha – Electronic Anti theft device	Vinit Trinagarwar Chaitanya Hemade	DIPEX 18	13/03/2018	State Level
Longest continuous SBC	Mrs. D.S. Zingade	Computer Society of India	21/01/2017	NationalLevel
COEP Mindspark Technical Championship	Adwait N. Pitole	COEP	24 /092017	National Level
COEP Mindspark Technical Championship	Riteshkumar Dube	COEP	24 /09/2017	National Level
Robo Worrier Competetion	Adwait N. Pitole	JSPM	11/01/ 2018	National Level
	Riteshkumar Dube			
Robo Race Competetion	Adwait N. Pitole	MMCOE	18/01/2018	National Level
	Riteshkumar Dube			
DIPEX Project Competetion	Riteshkumar Dube	DIPEX 18 Sangli	13/02/ 2018	National Level

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

Incubation Centre	Department	No. of Publications	Sponsored	Average Impact Factor, if any
National (Center for Innovation & Entrepreneurship Development)	First MY. Kumar Raveng (Faculty Electronics & Telecommunication Department)	NIL	AISSM Society	NIL
		09		4.231
National	Computer	01		-

Name of the Start-up	Nature of Start-up		Date of commencement	
ADOLF Solutions Pvt.Ltd International	Electronic & Electrical Manufacturing	59	28/04/2017	5.46

3.3 Research Publications and Awards — National — NIL — NIL

3.3.1 Incentive to the teachers who receive recognition/awards — Technology

State International		National	09	International	5.55
NIL		NIL		NIL	

3.3.2 Ph. Ds awarded during the year *(applicable for PG College, Research Center)* — National — NIL — NIL

Name of the Department	No. of Ph. Ds Awarded		
International (Research Center Started in 2015-16)	NIL	21	2.935
National	Electronics	NIL	NIL
International		13	5.33
National	Electronics &Telecommunication	0	NIL
International		45	4.73
National	Electrical	NIL	NIL
International		30	5.3704

3.3.4 Books and Chapters in edited Volumes / Books published, and papers in

Department	No. of publication
Electrical	12
Computer	03
Engineering Sciences	01
Electronics &Telecommunication	Books =05 Conferences=04

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

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Electrical						
Design & Implementation of LED Driver for Illumination and Visual Light Positioning	Mr. S. M. Chaudhari	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	December 2017	-	AISSMS IOIT	-
Harmonic Mitigation Techniques for synchronous alternator ISSN [Online] : 2395-1052	Mr. S. M. Chaudhari	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-
Design of Revised Illumination Scheme for Educational Institute To Achieve Energy Saving ISSN [Online] : 2395-1052	Mr. S. M. Chaudhari	IJSART - International Journal for Science and Advance Research in Technology	May 2018	-	AISSMS IOIT	-
Digital control of Active power factor correction using SPWM technique ISSN:2321-9653	Mrs. A. D. Shiralkar	International Journal For Applied Science &Engineering Technology (IJRASET)	January 2018	-	AISSMS IOIT	-
PLC based	Mrs. A. D.	IJSART -	March 2018	-	AISSMS IOIT	-

Position Control of an Electro Hydraulic System ISSN [ONLINE]: 2395-1052	Shiralkar	International Journal for Science and Advance Research in Technology(IJSART)				
Effect on Switching transients on internal insulation of HV motor for power house applications	Dr. K. K. Puranik	Conference Paper International Conference on Rotating Electrical machines and Drives. ELROMA 2017 organized by IEEMA	2017	-	AISSMS IOIT	-
Improvement In Insulation System Of High Voltage Motors To Withstand Switching Transients	Dr. K. K. Puranik	International Journal of Computer Engineering and Applications	March 2018	-	AISSMS IOIT	-
MPPT for Photovoltaic systems with sepic converter counting steady state and drift analysis	Mrs. K. S. Gadgil	International Journal on Recent and Innovation trends in computing and communication	June 2017	-	AISSMS IOIT	-
Speed Control of Induction Motor using Fuzzy Logic	Mrs. K. S. Gadgil	International Journal on Recent and Innovation trends in computing and communication	June 2017	-	AISSMS IOIT	-
Sizing, Integration, Testing and Cost Benefit Analysis of 3.5 KW PV Systems at	Mrs. K. S. Gadgil	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	January 2018	-	AISSMS IOIT	-

Mindtree Ltd Pune ISSN: 2321-9653; IC Value: 45.98		Impact SJ Factor :6.887					
Boost Converter and chopper circuit for solar power based PMDC drive ISSN [ONLINE]: 2395-1052	Mrs. K. S. Gadgil	IJSART - International Journal for Science and Advance Research in Technology	May 2018	-		AISSMS IOIT	-
To Enhance Power Quality in Single Phase System with Critical Loads Using Transformer -Less Active Devices	Mr. S. S. Shingare	International Journal of Recent Trends in Engineering & Research (IJRTER)	December – 2017	-		AISSMS IOIT	-
Design and Implementation of GSM Based Power Supply Control ISSN [ONLINE]: 2395-1052	Mr. S. S. Shingare	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-		AISSMS IOIT	-
Live Line Disc Type Insulator Testing Using Posistron Insulator Detector ISSN [Online] : 2395-1052	Mr. S. S. Shingare	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-		AISSMS IOIT	-
Monitoring & controlling of temperature, pressure & water level	Mr. V. S. Kamble	IJSART - International Journal for Science and Advance Research in Technology	April 2018			AISSMS IOIT	-

in thermal power plant by Arduino UNO ISSN [ONLINE]: 2395-1052						
Comparison of Voltage and Efficiency of a Modified SEPIC Converter without Magnetic Coupling and with Magnetic Coupling ISSN: 2321-9653	Mr. V. S. Kamble	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	April 2018		AISSMS IOIT	-
Generation of Electricity Using Wind Energy on Traction System ISSN [ONLINE]: 2395-1052	Mr. V. S. Kamble	IJSART - International Journal for Science and Advance Research in Technology	May 2018	-	AISSMS IOIT	-
A Single Phase Five Level Inverter based on switched DC sources with Reduced Number of Total Component Count by 11el Topology	Mrs. S. S. Landge	International Journal on Recent and Innovation trends in computing and communication	June 2017	-	AISSMS IOIT	-
Solar PV Fed DC Motor Speed Control Using Microcontro ller Based	Mrs. S. S. Landge	International Journal of Innovative Research In Science, Engineering And	June 2017	-	AISSMS IOIT	-

		Technology				
Power Electronic Controller		Technology				
Vehicle security system using GSM technology ISSN [Online] : 2395-1052	Mrs. S. S. Landge	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-
Design and Fabrication of Tesla Coil	Mrs. S. M. Shaikh	International Journal of Advance Research and In11ative Ideas in Education(IJAR IIE	June 2017	-	AISSMS IOIT	-
Generation of Electrical Energy From Overhead Water Tanks of Multistoried Buildings ISSN [Online] : 2395-1052	Mrs. S. M. Shaikh	IJSART- International Journal for Science and Advance Research in Technology,	March 2018	-	AISSMS IOIT	-
Tesla Coil Modification ISSN [Online] : 2395-1052	Mrs. S. M. Shaikh	IJSART- International Journal for Science and Advance Research In Technology(International Peer reviewed open access journal)	March 2018	-	AISSMS IOIT	-
Greenhouse Environment al Parameters Monitoring and controlling ISSN [Online] : 2395-1052	Mrs. V. A. Yawale	IJSART – International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-

Design of Electronic Speed controller of Brushless DC Motor ISSN [ONLINE]: 2395-1052	Mrs. V. A. Yawale	IJSART – International Journal for Science and Advance Research in Technology	April 2018	-	AISSMS IOIT	-
Design and Development of Power Inverter using Combinational Switches for Improvement of Efficiency at Light Loads	Mr. P. P. Mahajan	International Journal on Recent and Innovation Trends in Computing and Communication	June 2017	-	AISSMS IOIT	-
Design Of Buck-Boost Converter For Solar Fed Ac Motor ISSN(O) : 2395-4396	Mr. P. P. Mahajan	International Journal Of Advance Research And Innovative Ideas In Education(Ijariie) 2018	June 2018	-	AISSMS IOIT	-
Design And Implementation Of Real Time Electrical Parameters Data Logger For 3 Phase System ISSN (Online): 2455-2585	Mr. P. P. Mahajan	International Journal of Technical Innovation in Modern Engineering &Science(IJTIMES)	June 2018	-	AISSMS IOIT	-
Development of an Energy storage system for hybrid electric vehicles using Super capacitor ISSN	Mrs. N. M. Rao	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-

[ONLINE]: 2395-1052						
Power Factor improvement for 3 phase induction motor using PLC ISSN [ONLINE]: 2395-1052	Mrs. N. M. Rao	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-

First Year Engineering

Valorization of harmful parthenium weed by its conversion into active charcoal	Dr.Y.P.Patil	International Journal of Environmental Science and Technology	May 2017	-	AISSMS IOIT	-
Studies on Development of Anti-Tuberculosis Agents 2394-3396	Dr.Y.P.Patil, Prof.K.R. Darvekar	International Journal of Engineering Technology Science and Research	October 2017	-	AISSMS IOIT	-
Study of Various forging Process with their defects 2319-507x	Mr. N.P. Bhone Mr. S.S. Gadadhe Mr. V.D.Chopade	International Journal of Pure and Applied Research in Engineering and Technology	September 2017	-	AISSMS IOIT	-
Experimental Investigation of Multi Jet Air Impingement on Circular Pin Fin Heat Sink for Electronic cooling ISSN 2321-9653	Prof. Pradeep Rathod, Prof. Amol More. Prof. Nitin Bhone, Prof. S.S. Gadadhe	International Journal for Research and Applied Science and Engineering Technology	April 2018	-	AISSMS IOIT	-
Study of Thermal Management inside Acoustic	Prof. Pradeep Rathod, Prof. Amol More. Prof. Nitin	International Journal for Research and Applied Science and Engineering	April 2018	-	AISSMS IOIT	-

		Technology				
Enclosure in Mobile Power generation System ISSN 2321-9653	Bhone, Prof. S.S. Gadadhe	Technology				
Experimental Analysis of Tension meter on different Hack Saw Machines 2454-7875	Mr. Mahesh Nigade Mr. Dhananjay Pise	International Journal of Research Publication in Engineering Technology	July 2017	-	AISSMS IOIT	-
Study of Process Parameter affecting 2D Vibration Assisted Gasbag Polishing Technique 2454-7875	Mr. Dhananjay Pise	International Journal of Research Publication in Engineering Technology	November 2017	-	AISSMS IOIT	-
Forming analysis using APMSTAMP 2G	Mr.V.D. Chopade	IJSART International Journal for Science and Advenced Research in Technology	November 2017	-	AISSMS IOIT	-
Statistical analysis of Electrochemical Machining for soda lime glass 2454-7875	Mr. Vipin Chopade Mr. Pandit Shinde Mr. Dhananjay Pise	International Journal of Research Publication in Engineering Technology	August 2017	-	AISSMS IOIT	-
Information Technology						
Automated Toll Collection System using RFID	Guide: Mr.Pritesh Patil Samiksha Kadam Eshwari Nawale Priyanka Patil Shravani	Spvryan's International Journal of Engineering Sciences &Technology (SEST)	October 2017	-	AISSMS IOIT	-

	Talekar						
Road traffic real time monitoring through twitter stream	Mr.Pritesh Patil	Jounal NX A Multidisciplinary Peer Reviewed Journal	April 2018	-		AISSMS IOIT	-
An efficient cashless toll collection system using RFID tag	Guide Pritesh Patil Samiksha Kadam EshwariNawale Priyanka Patil Shravani Talekar	Jounal NX A Multidisciplinary Peer Reviewed Journal	April 2018	-		AISSMS IOIT	-
IOT based prediction of bus arrival time using GPS system	Guide: Mr.Pritesh Patil Manasi Jain, Pranjal Jain, Suraj Katkar, Suyog Choudhary	Jounal NX A Multidisciplinary Peer Reviewed Journal	April 2018	-		AISSMS IOIT	-
Survey of IOT Based Prediction of Bus Arrival Time Using GPS System.	Guide: Prof. Pritesh Patil, Manasi Jain, Pranjal Jain, Suraj Katkar, Suyog Choudhary	International Journal of Engineering And Science Invention	November 2017	-		AISSMS IOIT	-
Study analysis of Hadoop Based Network Intrusion Detection System	Guide: Prof.R.A. Jamadar, Himani Gupta, Ankit Baghel, Rituraj , Nimish Bhandare	International Journal of Engineering And Science Invention	December 2017	-		AISSMS IOIT	-
Eye Biometric For Unstructured Images in visible wavelength	Guide: Mrs.M.K. Pathak Bhavana Chavan, Mayuri Jadhav,	International Journal of Scientific Research in Computer Science ,Engineering	April 2018	-		K. L. University, Guntur	-

	Satvik Nagatgoje, Tejswini Shelake	and Information Technology				
Service Cloud Implementation on Salesforce.Com Platform.	Guide: Mrs. Anuja S. Phapale Sumit Mahajan Shweta Bhosale Sujata Chavan Mudassar Karvinkar	International Journal of Engineering Science Invention	February 2018	-	AISSMS IOIT	-
Dual Sentimental Analysis on Basis of Social Review Using Cloud Based Service	Guide: Mrs.Anuja Phapale Rahul Anantulwar Onkar Dalvi SuyashPatekar Shubham Thombare	International Journal of Engineering and Science Invention	February 2018	-	AISSMS IOIT	-
The Study of Computational Fuzzy Extractor For providing security to IoT nodes.	Guide: Mrs.Pragati Mahale Sonali Alwani Vaishnavi Borade Shreya Dhanbhar Pooja Suvarnakhandi	International Organization of Scientific Research (IOSR) Journal	October 2017	-	AISSMS IOIT	-
Securing Systems using lossless CFE for IoT.	Guide: Mrs.Pragati Mahale Sonali Alwani, Vaishnavi Borade Shreya Dhanbhar Pooja Suvarnakhandi	Journal NX - A Multidisciplinary Peer Reviewed Journal	February 2018	-	AISSMS IOIT	-

Smart Ration Card System Using QR Code and One Time Password	Guide: Mrs.Pragati Mahale, Kiran Nanaware, SiyonaNavgire, KomalPopli, Divya Prabhu	IOSR Journal of Computer Engineering (IOSR-JCE)	November 2017	-	AISSMS IOIT	-
Quick esponse Based Smart Ration System.	Guide: Mrs.Pragati Mahale, Kiran Nanaware, SiyonaNavgire, KomalPopli, Divya Prabhu	International Journal of Trend in Scientific Research and Development (IJTSRD)	February 2018	-	AISSMS IOIT	-
Markov Decision Policy based Database Security	Guide: Mrs. Reshma Totare, Vishakha Swamy, Tejaswini Yadav, Anjali Singh	International Journal for Science and Advance Research in Technology (IJSART)	June 2018	-	AISSMS IOIT	-
Advance database security using secured layer	Guide: Mrs. Reshma Totare, Vishakha Swamy, Tejaswini Yadav, Anjali Singh	Spvryan's International Journal of Engineering Sciences & Technology (SEST)	November 2017	-	AISSMS IOIT	-
Formation of Travel Route In the consideration of POI's of user	Guide: Mr.Amit Kore, Akshay Chitare, SnehalKamble, SagarPalve	International Journal of Engineering and Science Invention	February 2018	-	AISSMS IOIT	-
Recommendation of Travel Path Via Using POI's of User	Guide: Mr.Amit Kore, Akshay Chitare, Snehal Kamble, Sagar Palve	International Journal of Computer Engineering and application	Feburary 2018	-	AISSMS IOIT	-
An efficient security	Guide:Mr. Amit kore	International journal of	January 2018	-	AISSMS IOIT	-

system using neural networks	Kartik Damania Vaidehi Deshmukh Sneha Jadhav Preeyonuj Boruah	engineering science invention					
Employee Data Mining Based on text and image processing	Guide: Mr.V.S.More Ankita Shetty, Aishwarya MApara, Rahul Ghuge, Rohit Sharma	International Journal of Trends in scientific Research and Development	March-April 2018		-	AISSMS IOIT	-
Improved Adaptive Duty Cycle Control in wireless Sensor Networks	Ms.J.C. Pasalkar	International Journal of Future Revolution in computer Science & Communication Engineering	April 2018		-	AISSMS IOIT	-
Instrumentation							
Field Flow Meter Simulator Kit	Dr. Dipali R. Shende	International Journal Of Scientific Progress And Research(IJSPR)	May 2018		-	AISSMS IOIT	-
Accident Avoider using Advanced Sensors Based On IoT	Dr. Dipali R. Shende	International Journal of scientific progress and research	May 2018		-	AISSMS IOIT	-
Engine Oil Pump Test Bench	Dr. Dipali R. Shende	International Journal of Scientific Research and Review	June 2018		-	AISSMS IOIT	-
Endurance Testing of Engine Oil Pump	Dr. Dipali R. Shende	International Journal of Emerging Science and Engineering	June 2018		-	AISSMS IOIT	-
Precision data logger using LabVIEW	Dr. Dipali R. Shende	International journal of scientific progress and	April 2018		-	AISSMS IOIT	-

GUI		research (IJSPR)				
Rellistic Mobility Model of AVCSS for accident detection with tracking Technology	Mrs.S.V.Kulkarni	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	March 2018	-	AISSMS IOIT	-
BMI Machine for Visually and Audibly Impaired People Featuring IoT Technology	Mrs. S. V. Kulkarni	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	March 2018	-	AISSMS IOIT	-
Design and Implementation of Automation to Fire Safety Systems using Powder Sprayer	Mrs. S. V. Kulkarni	International Journal OF Scientific Progress And Research (IJSPR)	April 2018	-	AISSMS IOIT	-
Hand Gesture Recognition to Speech Conversion in Regional Language	Mrs. S. V. Kulkarni	International Journal of Scientific Progress and Research (IJSPR)	May 2018	-	AISSMS IOIT	-
IR based Theatre Piracy Reduction by using Image Processing	Mrs. S. V. Kulkarni	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)	March 2018	-	AISSMS IOIT	-
IOT based temperature control of greenhouse	Ms. N. S. Nagdeo	International Journal for Scientific Research & Development (IJSRD)	April 2018	-	AISSMS IOIT	-

Smart environment	Ms. N. S. Nagdeo	International Journal for Scientific Research & Development (IJSRD)	April 2018	-	AISSMS IOIT	-
Two parameter controlling of a tank	Mr. H. P. Chaudhari	International journal of creative research thoughts	April 2018	-	AISSMS IOIT	-
On line vibration monitoring opf track grinding system	Mr. H. P. Chaudhari	International journal of creative research thoughts	April 2018	-	AISSMS IOIT	-
Electrostatic flue gas monitoring system	Mr. H. P. Chaudhari	International journal of engineering research and application	April 2018	-	AISSMS IOIT	-
Smart farming using automatic aerophonic syatem	Mr. H. P. Chaudhari	International journal of creative research thoughts	April 2018	-	AISSMS IOIT	-
Sorting of object based on height , weight and colour on a conveyor line	Mr. H. P. Chaudhari	International journal of creative research thoughts	April 2018	-	AISSMS IOIT	-
Electronics						
Brain Wave Controlled Wearable Robotic ARM using EEG ISSN: 2395-1052	Mrs. Vrushali Deshmukh	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-
Wireless Foot Osteopathic Treatment	Mrs. Vrushali Deshmukh	IJSART - International Journal for Science and Advance Research in Technology	April 2018	-	AISSMS IOIT	-

Underground Wire Fault Detection using Arduino ISSN: 2395-1052	Dr. P. B. Mane	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-
Mall Automation : A Study ISSN: 2395-1052	Dr. D. K. Shedge	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-
Wheelchair for Incapacitate Human Beings ISSN: 2395-1052	Dr. D. K. Shedge	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-
Mobile Vehicles/Train based on Automated Solar System ISSN: 2395-1052	Dr. D. K. Shedge	IJSART - International Journal for Science and Advance Research in Technology	April 2018	-	AISSMS IOIT	-
Consideration and Addition of Electronic Circuit on Conventional Walker	Mrs. ManishaSagade	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-
Detection of Leukemia And Dengue Using Image Processing: A Study ISSN: 2395-1052	Mrs. ManishaSagade	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-
Biometric Attendance System	Mrs.Smita A. Takalkar	IJSART - International Journal for	February 2018	-	AISSMS IOIT	-

using Fingerprint Module ISSN: 2395-1052		Science and Advance Research in Technology					
Password Protected Multiuser Electronic Noticing System using GSM and Solenoid Lock ISSN: 2395-1052	Mrs.Smita A. Takalkar	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-
In Real Time Reconfigur able Internet of Things (IoT) Smart Quality Monitoring System ISSN: 2395-1052	Mrs.Smita A. Takalkar	IJSART - International Journal for Science and Advance Research in Technology	March 2018	-	AISSMS IOIT	-
Smart Campus Recruitmen t Based on Android Application	Mrs.Smita A. Takalkar	IJSART - International Journal for Science and Advance Research in Technology	April 2018	-	AISSMS IOIT	-
Comparativ e Study of Different Classifiers Alzheimer's disease	Ms.N.S.Sasan e	IJSART - International Journal for Science and Advance Research in Technology	July 2017	-	AISSMS IOIT	-
Computer						
Recipe Retrieval using ingredient recognition	M.P Nerkar	International Journal of Advance Engineering and Research Development (IJ AERD)	Dec. 2017	-	AISSMS IOIT	-

Emotion based music player with the help of sift and k-nn algorithms	M.P Nerkar	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Securing cloud server from ddos attack	M.P Nerkar	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Secure and efficient multi-keyword ranked search method on cloud	M.A.Zope	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
parallel patient treatment time prediction with hospital queuing recommendation system	M.A.Zope	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Survey paper on document fraud prevention	S. N. Zaware	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Survey paper on document authentication using color qr codes	S. N. Zaware	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Virtual dressing room for low-end smartphones	S. N. Zaware	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-

Healthcare system by using QR code strategy	S. N. Zaware	International Journal of General Science and Engineering Research (IJGSER), ISSN 2455-510X, Vol 3(4), 2017, 4-7	Dec. 2017	-	AISSMS IOIT	-
Bio medical named entity recognition using machine learning algorithms	Dr. K.S. Wagh	International Journal of Advance Engineering and Research Development (IJ AERD)	Dec. 2017	-	AISSMS IOIT	-
Novel implementat ion of hybrid rootkit.	Dr. K.S. Wagh	International Journal of Advance Engineering and Research Development (IJ AERD)	Dec. 2017	-	AISSMS IOIT	-
Email correlation and analyzer using pattern matching technique	Dr. K.S. Wagh	International Journal of Advance Engineering and Research Development (IJ AERD)	Dec. 2017	-	AISSMS IOIT	-
Bridging social media to e-commerce for cold-start product	P.S. Gaikwad	International Journal of Advance Engineering and Research Development (IJ AERD)	Dec. 2017	-	AISSMS IOIT	-
Docker containers as dynamic resource allocator	P.S. Gaikwad	International Journal of Advance Engineering and Research Development (IJ AERD)	Dec. 2017	-	AISSMS IOIT	-
Preventing network intrusion using deep neural network-a survey	P.S. Gaikwad	International Journal of Advance Engineering and Research Development (IJ AERD)	Dec. 2017	-	AISSMS IOIT	-
Crop prediction	Mrs.D.S. Zingade	International Journal of	Dec. 2017	-	AISSMS IOIT	-

system using machine learning		Advance Engineering and Research Development (IJAERD)				
Skin disease detection using artificial neural network	Mrs.D.S. Zingade	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
The automated system for general administration using qrcode	Mrs.D.S. Zingade	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
A survey on auditing encrypted data and deduplication in cloud environment	Mr.P.S. Sadaphule	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Prevention of website attack based on remote file inclusion-a survey	Mrs.P.S. Sadaphule	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
A review system victimization sentimental analysis supported on knn search by incorporating road and social network	Mrs.Girish Navale	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Brain tumor detection using segmentation of mr images	Dr.M. A. Thalor	International Journal of Advance Engineering and Research Development	Dec. 2017	-	AISSMS IOIT	-

		(IJAERD)				
Detecting unknown or fake user accounts on different micro blogging and social media networks.	Dr.M. A. Thalor	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Eye tracking system using isophote eye center detection with blink perception	Mrs.Archana Said	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Stock market prediction using machine learning	Mrs.S .P. Pimpalkar	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Online shopping application for local vendors.	Mrs.S .P. Pimpalkar	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
Prevention of cross site scripting (xss) and securing web application at client side doi:10.21090/ijaerd.rtde21	Mrs.Shikha Agarwal	International Journal of Advance Engineering and Research Development (IJAERD)	Dec. 2017	-	AISSMS IOIT	-
An implementation of virtual dressing room low end smart phones	Mrs. S. N. Zaware	International Journal Of Emerging Technology and Computer Science	April 2018	-	AISSMS IOIT	-
Preventing	Mrs. S. N.	International	April 2018	-	AISSMS IOIT	-

Educational Document frauds using smart centralize qualification card	Zaware	Journal Of Emerging Technology and Computer Science				
Providing Security to results using color QR codes	Mrs. S. N. Zaware	International Journal Of Emerging Technology and Computer Science	April 2018	-	AISSMS IOIT	-
Privacy Preserving Feature learning on Cloud for Big Data	Dr. K. S. Wagh	Lecture Notes in Networks and Systems, Springer, Singapore	November2017	-	AISSMS IOIT	-
A Survey: Data Leaks Detection Techniques	Dr. K. S. Wagh	International Journal Of Emerging Technology and Computer Science	April 2018	-	AISSMS IOIT	-
Parallel Patient Treatment Time Prediction with Hospital Queuing Recommendation System	Dr. M. A. Thalor	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Secure and Efficient Multi-keyword Ranked Search Method on Cloud	Dr. M. A. Thalor	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Detecting Unknown or Fake User Accounts on Different Micro blogging and Social Media	Dr. M. A. Thalor	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-

Networks						
Brain tumor detection using segmentation of mr images	Dr. M. A. Thalor	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Data Compression using Wireless distributed Computing	Mrs.S. P. Pimpalkar	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Online Shopping application for local vendors	Mrs.S. P. Pimpalkar	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Detecting intrusion using deep neural network.	Mrs. P. S. Gaikwad	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Connecting Social Media To e-commerce: Cold-Start Product Recommend ation ISSN: 2455-9954	Mrs. P. S. Gaikwad	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Docker Containers as Dynamic resource allocator ISSN: 2455-9954	Mrs. P. S. Gaikwad	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Machine Learning Based Crop Prediction System Using Multi Linear Regression ISSN: 2455-	Mrs. D. S. Zingade	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-

9954						
Dermatological Disease detection Using Artificial Neural Networks ISSN: 2455-9954	Mrs. D. S. Zingade	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
The Automated System For General Administration Using QR code	Mrs. D. S. Zingade	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
A Survey of pattern Discovery Methods for Text Mining	Mrs.N.S.Patil	International Journal of Novel research and development	April 18	-	AISSMS IOIT	-
Smart Helmet:An Application of IoT	Mrs.N.S.Patil	International Journal of Advance Engineering and Research Development	April 18	-	AISSMS IOIT	-
iBeacon Based Smart Attendence monitoring and Management System	Mr. Suresh Limkar	Advances in Intelligent System and Computing, Springer Series	April 18	-	AISSMS IOIT	-
Stratification of Dengue Fever using SMO and NSGA-II Optimization Algorithms	Mr. Suresh Limkar	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Victimization of road and social network based on	G.J.Navale	International Journal Of Emerging Technology and Computer	April 18	-	AISSMS IOIT	-

KNN ISSN:2455-9954		Science				
Optimized SVM model for vehicle tracking and positioning in GSM network	Chetan N. Aher	International Journal of Creative Research Thoughts	April 18	-	AISSMS IOIT	-
Efficient Data Communication On Cloud by Secure Auditing and Deduplication	P. S. Sadaphule	International Journal of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Preventing File Inclusion Attacks on Website	P. S. Sadaphule	International Journal of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Internet of Things: A New Approach Towards Smart City	Mrs.Archana G.Said	International Journal of Advance Engineering and Research Development (IJAERD)	April 18	-	AISSMS IOIT	-
Audio Visual Emotion Based Music Player	Mrs.Archana G.Said	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Prevention of cross site scripting and securing web application at client side	Mrs.S.R. Agrawal	International Journal Of Emerging Technology and Computer Science	April 18	-	AISSMS IOIT	-
Electronics & Telecommunications						
Wide band PLL frequency synthesizer:	Pawar, S.N. Mane, P.B.	International Conference on Advances in Computing,	2018	-	AISSMS's Institute of Information Technology,	-

A survey		Communication and Control 2017, ICAC3 2017 2018-January, pp. 1-6			Pune.	
Swarm intelligent WSN for smart city	Nikam, S.S. Mane, P.B.	Advances in Intelligent Systems and Computing 469, pp. 691-700	2017	-	AISSMS's Institute of Information Technology, Pune.	-
Design of smartphonebased wound assessment system	Dalya, V. Shedge, D.K.	International Conference on Automatic Control and Dynamic Optimization Techniques, ICACDOT 2016 7877679, pp. 709-712	2017	-	AISSMS's Institute of Information Technology, Pune.	-
An adaptive method for feature selection and extraction for classification of epileptic EEG signal in significant states Open Access	Harpale, V. Bairagi, V.	Journal of King Saud University - Computer and Information Sciences	2018	-	AISSMS's Institute of Information Technology, Pune.	-
Extracting Salient Features for EEGbased Diagnosis of Alzheimer's Disease Using Support Vector Machine Classifier	Kulkarni, N.N. Bairagi, V.K.	IETE Journal of Research63(1), pp. 11-22	2017	-	AISSMS's Institute of Information Technology, Pune.	2
DIP Based Smart Door Lock System	Mrs. Mohini P Sardey	International Journal on Recent and	June-2017	-	AISSMS IOIT, Pune	-

ISSN: 2321-8169		Innovation Trends in Computing and Communication				
Multilevel Security System for Bank Locker ISSN: 2321-8169	Mrs. Mohini Sardey	International Journal on Recent and Innovation Trends in Computing and Communication	June-2017	-	AISSMS IOIT, Pune	-
Car Black Box System ISSN: 2321-8169	Mrs. Mohini Sardey	International Journal on Recent and Innovation Trends in Computing and Communication	June-2017	-	AISSMS IOIT, Pune	-
Synchroniza tion of Solar and MSEB ISSN: 2321-8169	Mrs. Mohini Sardey	International Journal on Recent and Innovation Trends in Computing and Communication	June-2017	-	AISSMS IOIT, Pune	-
IOT Based Patient Health Monitoring System ISSN(online)-2350-1111. ISSN(Print)-2350-1103	Mrs. Mohini Sardey	International Journal of Advance Engineering and Research Development	June-2017	-	AISSMS IOIT, Pune	-
RFID Based Call Centre Employee Tracking and Security System ISSN (online)-2350-1111. ISSN(Print)-2350-1103	Mrs. Mohini Sardey	International Journal of Advance Engineering and Research Development	June-2017	-	AISSMS IOIT, Pune	-
The Role and Challenges of Compressio n in	Dr.V.K. Bairagi	International Journal of Advanced Research in Computer Science	June-2017	-	AISSMS IOIT, Pune	-

Medical Image Communication ISSN No. 0976-5697						
GSM Based Patient Monitoring System ISSN No. 0976-5697	Dr.V.K. Bairagi	International Journal of Advanced Research in Computer Science	June-2017	-	AISSMS IOIT, Pune	-
Stress Detection Using EEG Signals ISSN:1943-023X	Dr.V.K. Bairagi	Journal of Adv. Research in Dynamic & Control Systems	November-2017	-	AISSMS IOIT, Pune	-
EEG signal analysis for early diagnosis of Alzheimer disease using spectral and wavelet based features (ISSN 2511-2104)	Dr.V.K. Bairagi	Springer - International Journal of Information Technology	April 2018	-	AISSMS IOIT, Pune	-
An adaptive method for feature selection and extraction for classification of epileptic EEG signal in significant states (ISSN: 22131248)	Dr.V.K. Bairagi	Elsevier-Journal of King Saud University Computer and Information Sciences	April 2018	-	AISSMS IOIT, Pune	-
Match score level fusion of iris and sclera descriptor	Dr.V.K. Bairagi	IEEE 2017 International Conference on Soft Computing and	Dec. 2017	-	AISSMS IOIT, Pune	-

for iris recognition (ISBN: 978-1-1-		its Engineering Applications (icSoftComp)					
Performance Based Appraisal System For Technical Education: Challenges ISSN:2321-9653	Dr.V.K. Bairagi	International Journal for Research In Applied Science & Engineering Technology	February 2018	-	AISSMS IOIT, Pune		-
Air Pollution Monitoring AndControl For Smart City (ISSN-2349-5162)	Dr.V.K. Bairagi	Journal of Emerging Technologies and Innovative Research	May- 2018	-	AISSMS IOIT, Pune		-
Smart Phones forTranscutaneous Pacing (ISSN-2349-5162)	Dr.V.K. Bairagi	Journal of Emerging Technologies and Innovative	May- 2018	-	AISSMS IOIT, Pune		-
Single Wave AC Power Controller ISSN 2348-117X	Mrs.V.K. Patil	International Journal of Electronics, Electrical and Computational System	June 2017	-	AISSMS IOIT, Pune		-
Electricity Theft Detection & High Alert SMS System Using GSM Module ISSN:2348-4470	Mrs.V.K. Patil	International Journal of Advance Engineering and Research Development	August 2017	-	AISSMS IOIT, Pune		-
Vision Based Hand Gesture Recognition Pick & Place Industrial Robot e-ISSN (O):	Mr.V.N. Ghodake	International Journal of Advance Engineering and Research Development	June 2017	-	AISSMS IOIT, Pune		-

2348-4470 p-ISSN (P): 2348-6406						
Multifunction Robot for Military Application ISSN: 2394-9333	Mr.V.N. Ghodake	International Journal of Trend in Research and Development	June 2017	-	AISSMS IOIT, Pune	-
Android Based Security Authentication for E Banking ISSN: 2394-9333	Mr.V.N. Ghodake	International Journal of Trend in Research and Development	June 2017	-	AISSMS IOIT, Pune	-
Design an Antenna as a sensor for aqueous Glucose Measurement ISSN: 2348-4470	Mr.V.N. Ghodake	International Journal of Advance Engineering and Research Development	June 2017	-	AISSMS IOIT, Pune	-
3D Axis Automatic PCB Drilling Machine *ISSN* [ONLINE]: 2395-1052	Mr.V.N. Ghodake	International Journal for Science and Advance Research In Technology (IJSART) - *Volume 4 Issue 4*	April 2018	-	AISSMS IOIT, Pune	-
Smart Home Automation Systems for Peak Load Reduction Based on Sensor Technology ISSN:1943-023X	Dr.S.B. Dhonde	Jour of Adv Research in Dynamical & control Systems	November 2017	-	AISSMS IOIT, Pune	-
VANET System for Traffic Control and Pollution Aware ISSN:1943-	Dr.S.B. Dhonde	Jour of Adv Research in Dynamical & control Systems	November 2017	-	AISSMS IOIT, Pune	-

023X						
Smart ParkingSystem with New Cost Metrics	Mrs.M.S. Vanjale	Journal of Adv. Research in Dynamical & Control Systems, ISSN 1943-023X	July 2017	-	AISSMS IOIT, Pune	-
IoT Based Dynamic Road Traffic Management for Smart Cities	Mrs.M.S. Vanjale	Jour of Adv. Research in Dynamical & Control System	November 2017	-	AISSMS IOIT, Pune	-
Residual battery capacity based routing protocol for extending lifetime of mobile ad hoc network	Mrs.M.S. Vanjale	International conference on Advances in Communication and Computing Technology	February 2018	-	AISSMS IOIT, Pune	-
PLC and Scada Based Security System in Ship	Mrs.S.S. Nikam	IJSART International Journal for Science and Advance Research In Technology, ISSN: 2395-1052	April 2018	-	AISSMS IOIT, Pune	-
Wide Band PLL Frequency Synthesizer: A Survey; 978-1-5386-3852-1/17/$31.00 ©2017 IEEE	Mrs.S.S. Nikam	IEEE 2017 International Conference On Advances In Computing, Communication And Control (Icac3'17) 5th Edition	December 2017	-	AISSMS IOIT, Pune	-
Criminal Identification Using Arm 7 ISSN: 23496010	Mr.S.R. Kokane	International Journal for Innovative Research in Science and Technology	June 2017	-	AISSMS IOIT, Pune	-
Haptic	Mr.S.R.	International	May	-	AISSMS IOIT,	-

Feedback System For Visually Impaired People	Kokane	Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2018		Pune	
Automated Urban Drinking Water Supply Control and Theft Identification Using PLC and HMI	Mr.S.R. Kokane	International Journal of Creative Research Thoughts	April 2018	-	AISSMS IOIT, Pune	-
Review Paper on Zigbee based Secured Wireless Communication by using DES Encryption ISSN: 2321-8169	Mr.C.K. Bhange	International Journal on Recent and Innovation Trends in Computing and Communication	June 2017	-	AISSMS IOIT, Pune	-
Substation Automation Using Plc and Scada	Mr.C.K. Bhange	International Journal for Science and Advance Research In Technology (IJSART) - *Volume 4 Issue 4*	April 2018	-	AISSMS IOIT, Pune	-
Movable Road Divider for Traffic Control with Monitoring over Internet of Things e-ISSN: 2455-2585	Mr.C.K. Bhange	International Journal of Technical Innovation in Modern Engineering & Science(IJTIMES) Volume 4 Issue 5,	May-2018	-	AISSMS IOIT, Pune	-

Wireless Bridge Health Monitoring System	Mrs.R.A. Thakre	International Journal of Advance Engineering and Research	June 2017	-	AISSMS IOIT, Pune	-
PLC and servo drive based infeed control system for grinding machine Application	Mrs.R.A. Thakre	system for grinding machine Application Engineering and Research Development	June 2017	-	AISSMS IOIT, Pune	-
Helmet as A Key For Bike Using RFID ISSN [ONLINE]: 2395-1052	Mr.R.N. Jadhav	International Journal for Science and Advance Research In Technology IJSART	April 2018	-	AISSMS IOIT, Pune	-
Intelligent Traffic Signal Control System	Mr.S.R. Pawar	International Journal of Advance Engineering and Research Development	June 2017	-	AISSMS IOIT, Pune	-
Hardware Implementat ion of Energy Efficient Routing Protocol for MANET	Mrs.M.S. Vanjale	International Conference on emerging trends In science Engineering & Technology	May 2018	-	AISSMS IOIT, Pune	-
Ultrasonic Flow Meter e-ISSN (O): 2348-4470 p-ISSN (P): 2348-6406	Mr.V.J. Desai	International Journal of Advance Engineering and Research Development	June 2017	-	AISSMS IOIT, Pune	-
IOT based touch panel for electric board ISSN: 2455-2585	Vineeta Philip	Journal : International Journal of Technical Innovation in Modern Engineering & Science - IJTIMES	May 2018	-	AISSMS IOIT, Pune	-

Remotely monitoring vehicle system ISSN 2395-1052	Mrs.H.B. Magar	International Journal for Science and Advance Research In Technology (IJSART)	May 2018		-	AISSMS IOIT, Pune	-
Virtual Mouse Using Hand Guestures. ISSN:-2349-5162	Ms. Shobhika Gopnarayan	Journal of Emerging Technologies and Innovative Research (JETIR)	May 2018		-	AISSMS IOIT, Pune	-
Indian currency detection and lower denomination exchanger machine ISSN: 2320-2882	Ms.G.G. Kulkarni	International journal of creative research thoughts, volume 6, Issue 2	April 2018		-	AISSMS IOIT, Pune	-
Object detection and tracking robot ISSN (online)2348-2281 ISSN (Print):2393-9028	Mrs.H.D. Shinde Ms.A.S. Phatak	International Journal of Research in Electronics and Computer Engineering (IJRECE)	April To June 2018		-	AISSMS IOIT, Pune	-
Automatic E-Challan Generation for Traffic Violation ISSN:2348-4470	Mr.R.V. Sadakale	International Journal of Advance Engineering and Research Development	August 2017		-	AISSMS IOIT, Pune	-

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title ofthe paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
An adaptive method for feature selection and extraction for	Harpale, V. Bairagi, V.	Journal of King Saud University - Computer and Informatio	2018	13	0	AISSMS's Institute of Information Technology, Pune.

classificatio n of epileptic EEG signal in significant states Open Access		n Sciences				
Extracting Salient Features for EEGbased Diagnosis of Alzheimer's Disease Using Support Vector Machine Classifier	Kulkarni, N.N., Bairagi V.K.	IETE Journal of Research6 3(1), pp. 11-22	2017	18	2	AISSMS's Institute of Information Technology, Pune.

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

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	05	46	51	57
Presented papers	31	03		
Resource Persons	01	03	08	39

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 Activiti es	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities
Tree plantation on Dighi hill	AISSMS IOIT	2	50
Lohagad fort conservation	AISSMS IOIT	2	150
Kargil day celebration	AISSMS IOIT	2	150
Motivational seminar	Adar Poonawala	2	150
Campus cleaning	RTO, PUNE	2	25
Demonetization seminar	Lokayat Pune	2	78
Pune Womans half marathon	Adar Poonawala& Free runners	2	65

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	No. of Students benefited
University Level Camp	Best volunteer	SPPU, Pune	1

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

Name of the scheme	Organizing unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
Voting awareness	Election department	Voting awareness in college campus and RTO circle pune	2	73
Organ donation	Sasoon hospital	Organ donation rally	2	61

Rally				
Swachh Bharat Abhiyan	SPPU PUNE	Historical place cleaning(Sha nivarwada)	4	51

3.5 Collaborations

3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during theyear

Nature of Activity	Participant	Source of financial support	Duration
Workshop on Advanced digital image processing algorithms	BE E&TC (43)	IETE New Delhi & AISSMS IOIT	11/09/17 & 12/09/17
Intellectual Property Rights	100(only IOIT Students)	SDO SPPU	14/03/2018 & 15/03/2018
IETE project competition 2018	BE students from different colleges (160)	IETE New Delhi & AISSMS IOIT	25/04/2018

3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing ofresearch facilities etc. during the year

Nature of linkage	itle of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
Training	SDC Lab Visit at Bharti Vidyapeeth college of Engineering, Pune	SDC Lab Visit at Bharti Vidyapeeth college of Engineering, Pune	05/10/2017	S.E. & T. E FSAI Members
	Fire Safety Volunteer Program	AISSMS IOIT & FSAI	25/01/2018	TE, BEStudents
	Fire Volunteer Program	FSAI	26/01/2018	TEStudents
	Techno Social Visit to Sewage Water treatment Plant &Indradhanus hya Campus Natural Water System Plant	FSAI	22/03/2018	BE Students
	Industrial visit to MYMUL Mysore Milk Union Limited	FSAI	21-02-2018 - 26-02-2018	BEStudents
Expert	IBMS	AISSMS IOIT & FSAI	22/12/2017	SE, TE, BEStudents

Lecture	(Integrated Building Management System)/IoT (Internet of Things)			
Workshop	One day workshop on Identification & Access Management	AISSMS IOIT & FSAI	14-02-2018	BEStudents
Social Cause	FSAI Life Marathon	FSAI	04/03/2018	BEStudents
Networkin g & Field Visit	Fire and Security India Expo, Bangalore	FSAI	21/02/2018 to 26/02/2018	BEStudents
IEEE STudent Members	TCS, Nyati, Yerawada	IEEE Student Members	27/01/2018	IEEE Student Members, Mrs.A.D.Shiralkar
Industrial Visit & Interaction	Netgyani IT Services Pvt Ltd	Audumbar, #403, C-Wing, SNO 130, Warje, Pune, Maharashtra 411058	01/9/2017	Ms.S.P.Badhe Mrs.R.Y.Totare Mr.A.V.Kore BE students=32
	Netgyani IT Services Pvt Ltd	Audumbar, #403, C-Wing, SNO 130, Warje, Pune, Maharashtra 411058	07/9/2017	Mrs.P.P.Mahale Mr.V.S.More Mr. P.B.Wakhare TE Students=40
	Investigation Cell, Pune Cyber Crime City Police	Cyber crime cell prime branch sadhu vasavani road camp,pune	13/09/2017	1.Mrs. Mrunal K. Pathak 2.Ms. Savita P. Badhe BE Students=22
	India Meteorologic al Department, Pune	University Rd, Revenue Colony, Shivajinagar, Pune, Maharashtra 411005	16/02/2018	1. Mrs. Mrunal K. Pathak 2.Ms. Savita P. Badhe 3. Mr. Amit Kore BE Students=32
	Arena Animation	Arena Animation Trikaya House / Office No: 101 / SR 925 A / FC Road / Pune - 411005.	16/02/2018	SE student=35 1. Mrs.R.Y.Totare 2. Ms.R.L.Bhosale 3. Ms.Sonam Chauhan
	Arena Animation	Arena Animation Trikaya House / Office No: 101 / SR 925 A / FC Road / Pune - 411005.	13/02/18	1.P.P.Mahae 2.Anuja Phapale TE students=20
	Someshwar Sugar Factory Baramati	---	09/11/17	Organized by: Mr. S.V.Shelar Attended by: Mr. S. V. Shelar& Mr. S. M.

				Chaudhari
Faculty Interaction with Industry	Axis consultant	-	02/09/2017 03/09/2017	Prof. M.B.Nigade, Prof.D.D.Pise
	Serum Institute of India Ltd, Pune	-	1/06/2017	Prof. Kavita R.Darvekar
	Axis consultant		02/09/2017 03/09/2017	Prof. M.B.Nigade, Prof. D. D. Pise
	Axis consultant		12/03/2018 13/03/2018	Prof. M.B.Nigade Prof.D.D.Pise Prof. A.H.Raheja
	CMET		29/12/17	Prof. Nitin P. Bhone Prof.A. J.More Prof.S.S.Gadadhe Prof.N.S.Kamble Prof.M.B.Nigade Prof. A.H.Raheja
	ALC AFMC Pune		16/03/18	Prof. N.S.Kamble
	Sancheti Orthotics & Prosthetics Workshop		31/03/18	Prof. N.S.Kamble
Sharing of research facilities	Conductio of Material Science and Power Quality Practicals	Someshwar Engineering College, Baramati , Mr. Akshay B Zade HOD, Electrical Engg. Dept.	06/10/17	03
	Conduction of High Voltage Practicals	Someshwar Engineering College, Baramati , Mr. Akshay B Zade HOD, Electrical Engg. Dept.	09/04/18	01
	Conduction of High Voltage Practicals	Navsahyadri Education Society's Faculty of Engineering , Pune Mr. Sachin V Tayade HOD, Electrical Engg. Dept.	04/04/18	01
Internship	Industrial Training	Omkar Industries	15/12/2017- 31/1/2017	01
	Industrial Training	Shree Mahuva Pradesh SahakarI Udyog Mandali Limited, Tal.Mahuva. Dist. Surat. Gujarat-394 246	15/12/2017- 31/1/2017	01
	Industrial Training	Reliance Infrastucture Limited, Dahanu Road, Palghar	02/06/17- 09/06/17	01
	Industrial Training	The Brihan Mumbai Electric Supply & Transport Undertaking, Wadala Depot, Mumbai	30/05/ 2017- 23/06/2017	01
	Industrial Training	Maharashtra State Power Generation Co Ltd, ParliVaijanath, Dist Beed(MS)	18/12/ 2017- 31/12/2017	01

	Industrial Training	Raghukul Enterprises, Chikalthana, Near NaregaonPhata Aurangabad	22/12/2017 - 4/01/ 2018	01
	Industrial Training	Adolf Solutions (OPC)Pvt.ltd., Datta Nagar,Nr.TaleraGodown,Dighi, Pune	25 /8/ 2017- 09/09/2017	04
	Industrial Training	Consulting Engineers COMBINE, SpringFields Co-op. HSG. Society, Kothrud, Pune	15/6/ 2017 - 01/07/ 2017	01
	Industrial Training	Smart Brains Engineers & Technologist Pvt.Ltd., Dhankawadi, Pune,	21/5/2017 – 13/8/ 2017	01
	Industrial Training	Sharee Ayyappa Engineering, BMC Shopping Centre, Mitha Nagar, Goregaon(W), Mumbai	21/12/ 2017- 05/02/ 2018	02
	Industrial Training	Central Railway, Divisional Electrical Engineer, Traction Rplling Stock, Bhusaval	15/06/2017- 24/06/ 2017	01
	Industrial Training	Sai Science Ltd., Hinjevadi, Pune-	12/6/ 2017- 23/6/2017	01
	Industrial Training	Maharashtra State Electricity Transmission Co.Ltd, E Block,Bandra Kurla Complex,Bandra (EAST), Mumbai	13/6/2017- 29/6/2017	01
	Industrial Training	Akhilesh Electricals, Anant Industrial Esate, Narhe,Dhayari,Pune	06/03/18 - 14/03/18	04
Designing of control Pannel		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	08/01/2018 - 12/01/2018	Shriya Gadekar
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	08/01/2018 - 12/01/2018	Pragati Mane
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	08/01/2018 - 12/01/2018	Apurva Mahale
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	08/01/2018 - 12/01/2018	Saurabh Gohil
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	08/01/2018 - 12/01/2018	Shubham Deshpande
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	08/01/2018 - 12/01/2018	Karan Gohel
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	08/01/2018 - 12/01/2018	Suraj Satpute
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	Rohan Tar
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	Suraj Jangam
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	Smit Mehta
		Akhilesh Electricals, Narhe	01/01/ 2018 -	Shubham Pandit

		Industrial area, Dhayari, Pune	06/01/2018	
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	HarshalDavale
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	KshitijBhalerao
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	Vinayak Kamble
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	Varsha Khapre
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	Mayur Khatavkar
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	ShrideviNandiwale
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	Sakshi Jagtap
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	Kiran Jadhav
		Akhilesh Electricals, Narhe Industrial area, Dhayari, Pune	01/01/2018 - 06/01/2018	Kapil Kulakrni
	Exposure to process Instrumentation in Ammonia plant	Rashtriya Chemicals and Fertilizer limited (RCF)	15/06/2017 - 30/06/2017	PrajyotGhone
		Rashtriya Chemicals and Fertilizer limited (RCF)	15/06/2017 - 30/06/2017	HarshaliNakhede
		Rashtriya Chemicals and Fertilizer limited (RCF)	15/06/2017 - 30/06/2017	Omkar Nikude
		Rashtriya Chemicals and Fertilizer limited (RCF)	15/06/2017 - 30/06/2017	AkshayKharat
		Rashtriya Chemicals and Fertilizer limited (RCF)	15/06/2017 - 30/06/2017	Tejas Mhatre
		Rashtriya Chemicals and Fertilizer limited (RCF)	15/06/2017 - 30/06/2017	Kishori Patil
		Rashtriya Chemicals and Fertilizer limited (RCF)	15/06/2017 - 30/06/2017	Swapnil Kuthe
		Rashtriya Chemicals and Fertilizer limited (RCF)	29/05/2017 - 12/06/2017	Nikita Chaudhari
	Instrumentation & Control	Bharat Forge Ltd	10/06/2017 - 24/06/2017	Rohan Nazare
		Bharat Forge Ltd	10/06/2017 - 24/06/2017	Divya Puram
	Biomedical Instruments Manufacturing Process	Harvey Biomedical, Banglore	10/06//2017 - 19/06/2017	Shaikh Maaz
		Harvey Biomedical, Banglore	10/06//2017 - 19/06/2017	Pratik Mahajan
		Harvey Biomedical, Banglore	10/06//2017 - 19/06/2017	Nidal Desai
	Manufacturing of various Level measurement sensors & Transducers	Pune Techtrol Pvt Ltd	06/06/2017 - 17/06/2017	Shriya Gadekar
		Pune Techtrol Pvt Ltd	06/06/2017 - 17/06/2017	Mrunal Pathak
		Pune Techtrol Pvt Ltd	06/06/2017 - 17/06/2017	Akshay Tambe

		Pune Techtrol Pvt Ltd	06/06/2017 - 17/06/2017	Rohit Harsulkar
		Pune Techtrol Pvt Ltd	29/05/2017 - 25/06/2017	Gauri Raut
	Automation Solutions	IPac Automation, Pune	06/06/2017 - 13/06/2017	Mahadeo Munde
	Knowledge of automation to Processes	TAL Manufacturing Solution Ltd	05/06/2017 - 05/07/2017	Venkatesh Bhamidipati
		TAL Manufacturing Solution Ltd	05/06/2017 - 05/07/2017	Salil Kulkarni
		TAL Manufacturing Solution Ltd	05/06/2017 - 05/07/2017	Akshay Savarkar
Project Sponsorship	Aurdino based underground wire fault detection technique	Electronet equipment pvt ltd	2017-2018	Esha Bazaz Jadhao Shubham Shivaji Kadam Shrikant Mahadeo
	Automation of solar trains	sync sink energy pvt ltd	2017-2018	Bansode Suraj soudagar Jataleashwin Vishnu Nanawarevijaychandrakant Kumar gourav
	Machine Learning Based Network Intrusion Detection System	Acorn Infotec, Kondhava, pune	July 2017 – May 2018	Ankit baghel Nimish bhandare Himani Gupta Rituraj
	Service Cloud Implementation on Salesforce.com Platform	Netgyani IT Services Pvt. Ltd. Warje, Pune 9922763989	July 2017 – May 2018	Shweta Bhosale Sujata Chavan Mudassar Karvinkar Sumit Mahajan
	Advanced Database security system using markov based update policy	Opulent Pvt. Ltd. Mr. Ajit Patil VadgaonSheri, Pune	July 2017 – May 2018	Singh Anjali Vishakha Swamy Tejaswini Yadav
	Real Time Big Data Visual Analytics in Inward Outward System using Incremental Approach	State Government of Maharashtra,Dept. of Social Welfare Mr. Nitin Dhage (Dy. Commissionar) Nitindhage@hotmail.com 9850301855	July 2017 – May 2018	Akshay More Nitin More Prashant pathak Rajendra Khindkar
	Employee Data Mining Using Image	Syneotek Software Solution ,Balajinagar ,Dhankwadi,pune 411043	July 2017 – May 2018	Ghuge Rahul Sharma Rohit Mapara Aishwarya

	& Text Processing.			Ankita Shetty
	Travel Route Recommendation using POI's of user	Tribbiansis Software Solutions Mr. JavedTamboli Javed. tamboli33@gmail.com 9960696480	July 2017 – May 2018	AkshayChitare SnehalKamble Sonali Shinde Sagar Palve
	Predicting bus arrival time using GPS	Seisotech Private Limited	July 2017 – May 2018	Pranjali Jain Manasi Jain Suraj Katkar Suyog Choudhari
	Aurdino based underground wire fault detection technique	Electronet equipment pvt ltd	2017-2018	Esha Bazaz Jadhao Shubham Shivaji Kadam Shrikant Mahadeo
	Automation of solar trains	Sync Sink Energy Pvt ltd	2017-2018	Bansode Suraj soudagar Jataleashwin Vishnu Nanawarevijaychandrakant Kumar gourav
	Aurdino based underground wire fault detection technique	Electronet equipment pvt ltd	2017-2018	Esha Bazaz Jadhao Shubham Shivaji Kadam Shrikant Mahadeo
	Preventing Document Frauds Using Smart Centralized Qualification Card.(SCQC)	PDBTechno PVT. LTD Plot No. 226, Sai Krupa Apartment, shop No. 2, Yeshwant Nagar, Talegaon 410506	16/06/2017-31/05/2018	S. N. Zaware Pratik Lodha Parag Sanyashiv Shubham Kadlag Sunil Jagtap
	iBeacon Based Smart Attendance Monitoring System	Vision Software Development, Dhanlaxmi Apartment, Near S.T. Stand, Manik Chowk, Bhajimandai Road, Mutkewadi, Chakan, Maharashtra 410501	16/06/2017-31/05/2018	S. V. Limkar Shubham Jain Shweta Kale Shraddha Kannurkar
	Bio Medical Named Entity Reorganizatio n Using Machine Learning	Centre For Development Of Advanced Computing Pune University Rd, Pune University, Ganeshkhind, Pune, Maharashtra 411007	16/06/2017-31/05/2018	Dr. K. S. Wagh Shraddha Kashid Neha Kirange Aishwarya Kulkarni PratikshaPawar
	Connecting Social Media to E-Commerce: Cold-Start Product Recommendat	SofSyst Software & System Private Ltd, Jail Rd, Krishna Colony, Nashik Road, Nashik, Maharashtra 422214	16/06/2017-31/05/2018	P. S. Gaikwad Priyanka Hajare GayatriKapadi RutujaNigade Priyanka retawade

	ion			
	Virtual Dressing Room For Low End Smartphones	ABP System & Solutions C12, Krishna Garden, Near Hotel Bramha, Sinhagad Road, Manikbaug, Hingne Khurd, Pune, Maharashtra 411051	16/06/2017-31/05/2018	S. N. Zaware AmeyBansod Kanchana Gore Kaveri Kedari ShreyashPhakadePawar
	Brain Tumor Detection Using Segmentation of MRI Images	Max Neuro Hospitality Pvt Ltd. Kundan Nagar, Agrasen Nagar Society, Seva Nagar, Kasarwadi, Pimpri-Chinchwad, Maharashtra 411034	16/06/2017-31/05/2018	M. A. Thalor Supriya Hinge Anurag Thoke Rishav Verma MohansingPadvi
	Winning Prediction in One Day International Cricket Using Machine Learning Techniques	SaapthahikDaundNavanirman Newspaper, Daund	16/06/2017-31/05/2018	S. V. Limkar Sahil B. Mulani Abhishek G.Naik Minakshee V. Naik Shivanee V. Pawar
	Stock Prediction Using Machine Learning Teachniques	Convertex Technologies India Pvt. Ltd, 5ht floor, Ion 7, Morwadi, Pimpri, Pune	16/06/2017-31/05/2018	S. P. Pimpalkar JenishKaria Muskaan Khan Satyam Anand Tushar Mukherjee
	Parallel Patient Treatment Time Prediction with Hospital Queuing Recommendation System	Dhanwantari Hospital, 339-c, Rasta Peth, Rasta Peth, Pune, Maharashtra 411011	16/06/2017-31/05/2018	M. A. Zope Prajakta Khedekar Pradnya Gaikwad Rohan Kalyankar
	Detection of Skin Diseases Using Neural Networks	Dr. AvinashDalal Clinic, Shop No. 21, Ganga Complex-1, Opp. Nita Park, Airport Rd, Yerawada, Pune, Maharashtra 411006	16/06/2017-31/05/2018	D. S. Zingade Manali Joshi Viraj Sapre Rohan Giri
	Real Time Detection and Recognition Of Hand Held Objects to Assist Blind People.	Dirgha Technologies, 1st Floor, Mittal Building, Near Vijay Sales, Chandan Nagar, Kharadi, Pune, Maharashtra 411014	16/06/2017-31/05/2018	A. G. Said Jimil Gandhi Dhruv Purandare Suchit Adak Ankit Dongre
	Preventing Cross Site Scripting (XSS) and securing Web	AISSMS IOIT, Pune	16/06/2017-31/05/2018	S. R. Agrawal Akhil Nair Shital Gaikwad Pallavi Chame Swapnil Ithape

Application at Client Side			
Network Intrusion Detection Using Nural Network	Sai Infocorp Solution Pvt. Ltd, office no 101, 1st floor, Gulab Pavilion, Near Z bridge, Behind Deccan Gymkhana Bus Stop, Deccan Gymkhana, Pune, Maharashtra 411004	16/06/2017-31/05/2018	P. S. Gaikwad DeepanjaliKhamkar Priyanka Kambale
Attendance Monitoring System Using Image Processing and Machine Learning	Centre For Development Of Advanced Computing Pune University Rd, Pune University, Ganeshkhind, Pune, Maharashtra 411007	16/06/2017-31/05/2018	S. V. Limkar Manasi Jadhav Tushar Indalkar Kirtiraj Kadam ShivamMulay
Implementation of IPv6	BSNL, G-Block, Plot No. 121/122 MIDC, Chinchwad, PUNE, Maharashtra 411019 020 2737 2750	16/06/2017	Kale Harshali Suryakant Ghule Rutuja Bhimrao Javheri Apurva Sunil
Implementing MPLs layer 3VPNs.	BSNL, G-Block, Plot No. 121/122 MIDC, Chinchwad, PUNE, Maharashtra 411019 020 2737 2750	16/06/2017	Damini Ashok Dhagar Tamanna Paresh Shah Piyusha Sayaji Patil
Installation and comissioning of SDH STM-1 CPE and creation of VLAN over SDH network	BSNL, G-Block, Plot No. 121/122 MIDC, Chinchwad, PUNE, Maharashtra 411019 020 2737 2750	16/06/2017	Madane Sandeep Pawar Pravin Jayesh Jain
Optical communication between FPGA board	Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Colaba Mumbai 400005, INDIA Tel : +91-22-2278-2000 Fax : +91-22-2280-4610 / 4611 ISDN for Video Conferencing: 91-22 2286 0010 / 0015 / 0020	16/06/2017	Rahul Mahbubani Shaikh Gulafsha Advait Mandokhot
Indian currency Verification and changer Machine	Technofriends Electronic Solutions	16/06/2017	Padale Rajeshwari H. Shelke Sapna R. Sakhare Dheeraj V.
Wearable gadget for woman's safety.	WestMS Technology, pune Office No. A1-307, Royal Castle, Behind Rosewood Hotel Dange Chowk, Thergoan,	16/06/2017	Radhey Pande Tejaswini Muley Tanuja Rana

		Maharashtra 411019 086054 19480		
	Multi objective power management on smart grid substation	Samtech Automation, 227/1, near kasaba peth police chowki opposite shaniwar wadsa Kasba Peth, Pune, India-411011. info.samtechautomation@gmail.com 8655468355	16/06/2017	Ghadage Yogita Laxman Akolkar Akshata Sanjivani Chitare
	Automatic car wash using PLC	Samtech Automation, 227/1, near kasaba peth police chowki opposite shaniwar wadsa Kasba Peth, Pune, India-411011. info.samtechautomation@gmail.com 8655468355	16/06/2017	Daundkar Raj Ambetkar Akshay Dasarwad Suraj
	PLC based automatic waste segregator	Samtech Automation, 227/1, near kasaba peth police chowki opposite shaniwar wadsa Kasba Peth, Pune, India-411011. info.samtechautomation@gmail.com 8655468355	16/06/2017	Harsh pal Kakade Vaibhav Atul Akshay Pandhare
	PLC based security system in ship.	Samtech Automation, 227/1, near kasaba peth police chowki opposite shaniwar wadsa Kasba Peth, Pune, India-411011. info.samtechautomation@gmail.com 8655468355	16/06/2017	Singh Lata Bashera Lakhamade Aishwarya Gaur Divya
	PLC based irrigation system using solar energy source.	Samtech Automation, 227/1, near kasaba peth police chowki opposite shaniwar wadsa Kasba Peth, Pune, India-411011. info.samtechautomation@gmail.com 8655468355	16/06/2017	Barhate Mayuri Virendra Chandrawanshi Vaishnavi Davangave Janabai
	Water Purification &Distribution System for Rural Areas	Samtech Automation, 227/1, near kasaba peth police chowki opposite shaniwar wadsa Kasba Peth, Pune, India-	16/06/2017	Chikate Shweta Yadav Shrutika Ghare namrata tarachand

	using PLC	411011. info.samtechautomation@gmail.com 8655468355		
	Automatic vehicle fueling system using robotic arm	Samtech Automation, 227/1, near kasaba peth police chowki opposite shaniwar wadsa Kasba Peth, Pune, India- 411011. info.samtechautomation@gmail.com 8655468355	16/06/2017-31/05/2018	Mali Girish manohar Baviskar shubham Harne aditya Kishore
	Sewage water treatment using PLC and SCADA.	Samtech Automation, 227/1, near kasaba peth police chowki opposite shaniwar wadsa Kasba Peth, Pune, India- 411011. info.samtechautomation@gmail.com 8655468355	16/06/2017	Sonu Pandit Ashna Sharma Pooja Pal
	Robotic arm using flex sensor	Belgave IT Services Pvt.LTD Block B-12,Pranam Arcade,Near Ram Mandir,Sangli-416416 9096020226, itceo@belgave.com	16/06/2017	Kashid Satyajit A. Nimbalkar Gayatri P. Maujawar Anis S.
	Automated urban drinking water supply control and water theft identification system.	Samtech Automation, 227/1, near kasaba peth police chowki opposite shaniwar wadsa Kasba Peth, Pune, India- 411011, info.samtechautomation@gmail.com 8655468355	16/06/2017	Manisha Parmar Pooja Patil
Project Work	Endurance testing of engine oil pumps	Shree Systems Pune Address:Erandavana sushila smruti,Pune	July 2017 -June 2018	Abhyankar Gaurav Vilas Tambe Akshay Ashok Prajapati Sandesh Ramashray
	Design and Implementation ofPhysiotherapic robotic arm and controlling it using Brain Waves	Algorithmic Electronics Address: Flat no.4,Akshay Sangam App,Sinhgad Road,Dhayari phata,pune-41 Phone:9049301122		Kothavale Ankita Vijay Bhamidipati Venkatesh Savarkar Akshay Umesh

Field flowmeter simulator kit	Adept Fluidyne Pvt.Ltd, Pune Address:plot 4,S No. 17/1-B,Kothrud Ind.Estate,Kothrud,Pune 411038 Tel. No: 2025464551/25431474		Kulkarni Salil Prasanna Shriya Gadekar Sawant Krutika Anil
Smart farming using automatic aeroponics system	Prathamesh Automation Address: 1314/1,Sadashiv Peth,23'Sukrut',Pune-411030 Phone No: 9225507424, 24478189		Gohel Karan Dayaiji Satpute Suraj Sudhir Vispute Nilesh Raghunath
Engine simulator for control panel	Power Control Engineers, Pune Address: 77/4,Vishnumalati Industrial Estate,Shivane,Pune-411023 Tel: 25291011,25293244		Barhanpure Prachi Rajshekhar Zambre Tanuja Pramod
AC gas filling machine	Shree Systems Pune Address:Erandavana sushila smruti,Pune		Shinde Krushna Anil Harshad Deepak Jagtap Gholave Shailesh Chandrakant
Precision data logger using LABView GUI	Excel Technologies Address: Balaji Nagar,Pune Tel: 9890098806		Apurva Mahale Pragati Mane
Intelligent office management system	iPAC Automation, Pune Address: A-20/21,3rd Floor,P.S.Angan Premises Co.Society,S.No.149,Near Magarpatta South gate,Hadapsar,Pune-411028 Phone: 2026890051		Mahadev Munde
Automatic Inspection system	S. V. Modular conveyors Pvt. Ltd. Address: S.No. 166,Pune Sinhgad Road,Nanded Phata,Pune-411041 Phone: 20-24391881		GhonePrajyotJayvant Gadekar Mayur V. PalshikarAkshay Aniruddha
Fault detection and efficiency analysis of bottle filing plant	K-IMAGINATION Address: 3rd floor,phase 2,navle IT zone,near navle bridge,sun universe,narhe,pune-411041 Phone: 7387777639		Pratik Mahajan Rohit Harsulkar
Infant warmer based on IOT	Monjin interviews Pvt. Ltd. Address: 102,suratwala mark plazzo,Hinjewadi,Pune-57 Phone: 02065230008		DhayeRudraniSahebrao Shaikh Maaz Abid
Online Vibration Monitoring of Track Grinding	SKF, Chinchwad. Company Address: Chinchwad,Pune-411033		HarshaliNarkhede Nikita Chaudhari

Machine.	Phone: (20)66112500		
Harmonic Analysis of 10 KVA Single phase AC alternator and implementation of harmonic mitigation technique.	Cummins Generator Technologies India private limited, Pune	June 2017- May 2018	Bagal Pranali Sanjay Dani Ajinkya Avinash Salunkhe Supriya Subhash
Power factor correction of three phase induction motor using PLC	M. D. Electricals Pune	June 2017- May2018	Gavali Shraddha Sanjay Madane Kalyani Ananda Nakhate Shweta Suresh
Greenhouse environmental parameters monitoring and controlling	Spacicon Industries, Pune	June 2017- May 2018	Shete Rupali Sheshrao Wadekar Sayali Sachin Narkhede Prajakta Madhukar
Development of Energy Storage System for Hybrid Electric Vehicle using Supercapacitor	MD Electricals Pune	June 2017- May 2018	Gavhane Shubham Tanhaji Ghole Ashish Atmaram Magar Omkesh Prataprao
PID (Puncture Insulator Detector)	MAHATRANSCO (MSEB)	June 2017- May 2018	Pawar Pankaj Raman Patil Sourabh Sunil Shinde Kunal Rajendra Kale Shubham Haridas
NiYo Engineers, Kothrud	BE (Project Group)	26/02/2018	Mrs.A.D.Shiralkar
NiYo Engineers, Kothrud	ME (Project)	10/01/2018	Mrs.A.D.Shiralkar

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 and Activities	Number of students/teachers participated under MoUs
Electronics & Telecommunications			
Telcom Sector Skill Council (TSSC)	14/09/2017	1. Training and certification provided by TSSC in association with Google to three faculties from the institute. 2. Workshop conducted by the Trained Faculty members of the institute to E&TC students.	Students 03 Teachers-08
Texas Instruments (Digital Shark technologies)	12/07/2017	1. Texas Instruments symposium from 23/01/2018 to 25/01/2018 2. Texas Innovation lab is training students for project based learning. 3. TEXAS instruments online drushti open book competition conducted.	Students -25 Teachers-01
Computer			
IRT PVT LTD	01/08/2017	Purpose: To enhance technical skills & to achieve better placement. Activities: Redhat Certified system administration" certification	17 (06 SE comp+11 TE Comp) Students
SEED InfoTech ,Pune	01/09/2017	Purpose:To enhance technical skills Activities: Guest lectures and Workhop on Java	150 (TE+BE) Students
Electrical			
NiYoEngineers ,Pune	12/05/2017	Purpose: To enhance technical skills Activities : Expert lecture, Project Guidance, Training and workshops for staff as well as students	Students – 3Teacher -1
MSEDCL, Nashik	20/07/2017	Purpose: To enhance technical skills Activities :Training, Conference , Seminar, Visit ,Expert lecture	Students – 6 Teacher -1
Strom Energie Pvt. Ltd. Pune	02/02/2018	Purpose: To enhance technical skills Activities : Expert lecture, Internship, Energy/Power Quality Audit, Project	Students – 30 Teacher -7
IT			
Net Gyani IT services Pvt. Ltd	07/19/2017	Purpose: Seminar and Expert Lecturein Cloud Computing. Industrial Visit. Internship training for students and Staff. Sponsorship for BE Projects. Training and Placement assistance. Activities- 1. BE project orientation program on 19/7/17 2. Sponsored BE project.	1.46 student and 1 staff 2.4 students and staff

Sangmeshwar Institute(Arena Animation)Arena Animation	29/03/16	Purpose: Seminar and Expert Lecture in AWD Industrial Visit Short Term Training Program Activities- 1.Visit to citrashar graphic exhibition	20 students and 2 staff

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 infrastructureAugmentation	Budget utilized for infrastructure development
Rs. 1,03,14,586/-	Rs. 89,21,052/-

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	10117.4 Sq.m.	NIL
Class rooms	28	1
Laboratories	58	2
Seminar Halls	06	NIL
Classrooms with LCD facilities	28	1
Classrooms with Wi-Fi/ LAN	28	1
Seminar halls with ICT facilities	06	NIL
Video Centre	NIL	1
No. of important equipments purchased (≥ 10 lakh)during the current year.	52	10
Value of the equipment purchased during the year (Rs.)	8,12,34,380/-	73,35,919/-
Others	1,86,99,376/-	88,61,161/-

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System -ILMS}

Name of the ILMSsoftware	Nature of automation (fullyor partially)	Version	Year of automation
System for Library Information and Management (SLIM 21)	fully	3.4.029410	2012

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value (Rs.)	No.	Value (Rs.)	No.	Value (Rs.)
Text Books	28668	70,40,262	1595	8,41,151	30263	78,81,413
Reference Books	590	53,10,000	55	3,86,815	645	56,96,815
e-Books	25000	70,000	25000	70,000	25000	-
Journals	46	1,19,843	46	1,49,164	46	-
e-Journals	5000	13,15,615	5000	13,15,615	5000	-
Digital Database	3 Data bases	13,15,615	3 Data bases	13,15,615		
CD & Video	1200	CDs with books	290	CDs with books	1490	CDs with books
Library automation	Bar coding done for all books and students borrow cards.					
Weeding (Hard	-					

&Soft)		
Others (specify)	Circulation, Reference, Referral service, Photocopy, Book Bank facility, University question papers, Plagiarism check, membership of British Council library, ARAI, Jaykar library.	

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centre	Computer Centre	Office	Departments	Available bandwidth (M/GBPS)	Others
Existing	650	22	32 Mbps	-	Lab No-106	1	5	32 Mbps	-
Added	50	1	68 Mbps	-	-	-	-	68 Mbps	-
Total	**700**	**18**	**100 Mbps**		**1**	**-**	**5**	**100 Mbps**	**-**

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

100 Mbps(1:1)

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 Remote center facility for IIT Bombay workshop sessions through online delivery system	Nil

4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (UnderGraduate) 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**
Mr.R.A.Jamadar	Programming treasure	Kpotential.blogspot.in	February 2016
Mrs.Shikha Agarwal	Agile Methods	Tecomputersppu.blogspot.com	October 2017 June 2018
Mr. J. B. Patil	ES-IoT Syllabus Module(PPT,Notes,video Lectures) Embedded Systems Tutorials	Jaydeeppatil.com/esiot Youtube.com	January 2018 August 2017
Dr. Nidhi Sharma	Bliss or Danger? The MSG Controversy	https://chemicalconnect.wordpress.com/2018/08/13/bliss-or-danger-the-msg-controversy	August 2018
Mrs. Neha Patil	Data Structure	http://sedsaioit.blogspot.com	June 2018
Mrs. Archana Said	Object Oriented Programming	http://sppuppl.blogspot.com	June 2018

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
Rs. 82,50,000/-	Rs. 83,53,801/-	Rs. 1,03,14,586/-	Rs. 89,21,052/-

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 laboratory s 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, healthcheckups 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.

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	-	-	-
Financial support from other sources			
a) National	Chhatrapati Rajshri Shahu Shikshan Shulka Partava Yojana	438	1,77,83,864
	Minority Scholarship	11	2,75,000
	SC Scholarship	209	1,91,35,031
	SBC Scholarship	89	37,89,980
	OBC Scholarship	432	1,78,93,722
	NT Scholarship	179	1,45,93,623
	ST Scholarship	9	7,20,548
b) International	-	-	-

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 capabilityenhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
SE – Soft Skill	19/09/2017	569	Institute of Holistic Healing, Pune
TE- Soft Skill (Aptitude Tests)	08/01/2018	676	Institute of Holistic Healing, Pune
BE – Soft skill(GD and Interview Technique)	26/12/ 2017	486	Institute of Holistic Healing, Pune
Psychometric tests and Counseling		455	Institute of Holistic Healing, Pune
Changing Gears(Forbes Marshal)	03/08/2017	66	Forbes Marshal with IOIT
Japanese Language	02/09/2017	366	JALTAP
German Language	30/06/2017	60	Ms. Tejashree Nikam (student of AISSMS IOIT)

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by theinstitution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2017-18	Guest Lecture on Career for	84	115	NIL	115

	Engineering in Government Sector				
2017-18	Expert Lecture on Career for Engineering in Government Sector	43	--	--	--

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexualharassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance Redressal
Nil	Nil	NA

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	Number of Students Participated	Number of Students Placed
Harbinger	133	02	Exfo	01	01(Electronics)
Zensar	133	05	TECSEC	06	01(Instrumentation)
Cybage	133	03	Rewine Technology Pvt. Ltd., Pune	01	01(Electrical)
Bitwise	133	03	Anglo Eastern Ship Management India Pvt. Ltd.	01	01(Electrical)
Amazon	133	16	Mphasis	133	03(Computer)
Byju's	133	02	Vilani Mart	133	01(Computer)
E-Zest	133	01	Reliance Jio	133	01(Computer)
Centium	133	04	Syntel	133	05(Computer)
Screen Magic	133	01	Quick Heal	133	01(Computer)
Xento	133	01	Welkin	133	01(Computer)
Fusionstak	133	02	Logistic Junction	133	01(Computer)
Keywordio	133	01	Cognizant	133	01(Computer)
Eduisfun Technologies Pvt. Ltd.	59	00	AMDOCS	133	02(Computer)
Indian Navy	34	2	Inventive	133	02(Computer)
Enigma Automation	59	00	Capita	133	01(Computer)
Laurent & Benon	59	00	AMDOCS	01	01(ENTC)
Bajaj Finserve	59	00	HP	02	02(ENTC)
Amazon Development Centre (India) Private Limited	63	00	Honeywell	01	01(ENTC)
Mphasis	63	00	Zensar	01	01(ENTC)
Amazon Development	63	02	EClerksx	01	01(ENTC)

Centre (India) Private Limited					
Mphasis	34	00	Cyber	01	01(ENTC)
Job Fair	63	00	HCL	01	01(ENTC)
Elmex	25	00			
Byju's	34	00			
Vibrant Talent Fest	63	00			
Keyence India Pvt. Ltd.	34	00			
Capital First Ltd.	63	00			
Proto Tech Solutions	59	00			
Screen Magic Mobile Media Pvt. Ltd	59	00			
Pool Campus Drive at Zeal (company:- Infosys, Syntel, Genpact and Capgemini business services)	63	00			
Mphasis	63	00			
Teach For India	63	00			
Amazon Development Centre (India) Private Limited	63	00			
JCI	50	00			
Kone Cranes	34	4			
Obara India Pvt Ltd	34	00			
Deepak Fertilizers & Petrochemicals Corporation limited	34	1			
Khyatee Electronics Pvt. Ltd.	34	00			
Midas-Care Pharamaceuticals Pvt. Ltd.	34	00			
Bajaj Finserve	34	00			
Addteq S/w India Pvt Ltd-	34	00			
Amazon Development	55	02			

Centre (India) Pvt. Ltd.					
Indian Navy	02	--			
Harbinger	55	01			
Zensar	50	02			
Cybage	50	-			
Bitwise	45	01			
Amazon	45	-			
BYJUs	44	-			
E-Zest	42	-			
Centium	20	-			
Screen Magic	44	-			
FUSIONSTAK	25	01			
Syntel		03			
Johnson Control India	40	02			
Mphasis	20	00			
Amazon Development Centre (India) Private Limited	30	00			
Elmex	30	00			
Byjus	30	00			
Obara India Pvt Ltd	20	01			
Capital First Ltd	30	00			
Screen Magic Mobile Media Pvt. Ltd	30	00			
Tecsec	06	01			
Schweitzer feurmann	04	01			
AV measurement and control	04	00			
Security shells Infotech	04	00			
Emerson Export Engineering, Pune	04	01			
Avon Building Solutions Pvt Ltd	04	02			
Barclays	48	00			
JCI	64	01			
Indian Navy		02			
Amazon		26			
Mphasis		03			
BYJu's		01			
Obara		03			
HCL TSS Pvt		01			

Ltd					
FEURMANN Schweitzer		01			
NTT Data	124	00			

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
2017-18	01	Instrumentation & Control Engineering	Instrumentation & Control Engineering	Zeal Education Society's, Zeal Institute of Management and Computer Application, Nahre	Masters of Business Administration
2017-18	01	Instrumentation & Control Engineering		Birmingham City University	Master of Science Advanced Computer Science
2017-18	01	Instrumentation & Control Engineering		University of Technology, Sydney	Masters for Engineering Management-Biomedical Engineering Autumn 2018
2017-18	01	Electrical Engineering	Electrical Engineering	California State University , Fullerton	Master of Science
2017-18	01	Information Technology	Information Technology	Northern Illinois University	Masters in Management Information Systems.
2017-18	02	Computer Engineering	Computer Engineering	Syracuse University	Master of Science
2017-18	01	Computer Engineering	Computer Engineering	University of Southern California	Master of Science
2017-18	02	Computer Engineering	Computer Engineering	University of Maryland, Baltimore County	Master of Science
2017-18	01	Computer Engineering	Computer Engineering	Rutgers Business School	Master of Science
2017-18	01	Computer Engineering	Computer Engineering	National Institute of Technology, Goa	Master of Technology

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 GovernmentServices)

Items	No. of Students selected/qualifying	Registration number/roll number for the exam
NET	-	-
SET	-	-
SLET	-	-
GATE	02	EE18S62120049(Electrical) EE18S62109034(Electrical)

	05	CS18S32122046(IT)
		CS18S32132354(IT)
		CS18S32130011(IT)
		CS18S32105169(IT)
		CS18S32105227(IT)
	05	EC18S52126204(ENTC)
		EC18S52124017(ENTC)
		EC18S52127193(ENTC)
		EC18S52123165(ENTC)
		EC18S52128116(ENTC)
		CS18S32118104(Computer)
	07	CS18S32110137(Computer)
		CS18S32101208(Computer)
		CS18S32128043(Computer)
		CS18S32101002(Computer)
		CS18S32102204(Computer)
		CS18S32119067(Computer)
GMAT	-	-
CAT	02	7142316(IT)
		7178351(IT)
	01	7138608(Computer)
GRE	01	1555710(Instrumentation)
	01	193662(IT)
	06	1809969 (Computer)
		1690412 (Computer)
		2071435 (Computer)
		1842814 (Computer)
		1567500(Computer)
		2603730(Computer)
TOFEL	01	30964905(Instrumentation)
	06	0000000032183554, (Computer)
		0000000031206493, (Computer)
		0000000031714482, (Computer)
		0000000032350633, (Computer)
		0000000031713906, (Computer)
		0000000031205427, (Computer)
Civil Services	-	-
State Government Services	-	-
MH-CET	02	4410000858(ENTC)
		4410022199(ENTC)
IELTS	01	275219(Computer)

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
1) JUDO	Intercollegiate	Boys - 36 Girls -21
2) Football	Intercollegiate	Boys -559
3) ALACRITY	National	4000

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/ International	Sports	Cultural	Student ID number	Name of the student
2017-18	National Speech Competition	National	-	Speech competition	F15060	Shambhuraje Salunkhe (SE Electrical)
2017-18	Shivjanm vatsav Elocution competition Consolation Prize	National	-	Elocution competition	F15060	Shambhuraje Salunkhe (SE Electrical)
2017-18	Ashwamedh - 1st Runner up	State	5 A side football	-	F16157	Aparna Singh (SE Electronics)
					S37089	Manali Umbarkar TE (ENTC)
					F42009	Babita Bisht TE Computer
					F29059	Pranali Zingare (SE IT)
					F16163	Yangsin chuski (SE Electronics)
					F76008	Shraddha Chvan (BE Computer)
					F76062	Rasika Pawar (BE Computer)
2017-18	MELANGE 2018 First Runner up	National	Football	-	F76008	Shraddha Chvan (BE Computer)
					F76062	Rasika Pawar (BE Computer)
					F76016	Poonam Duddmani (BE Computer)
					F16163	Yangsin chuski (SE Electronics)
					F16157	Aparna Singh (SE Electronics)
					S37089	Manali Umbarkar TE (ENTC)
					F42009	Babita Bisht TE Computer
					F29059	Pranali Zingare (SE IT)
					F29060	Kirti Salve (SE IT)
					F29010	Vaishnavi Bhagwat (SE IT)

5.3.2 Activity of Student Council & representation of students on academic & administrative Bodies/committees of the institution (maximum 500 words)

The institute has a Student Council which is formed at the beginning of every academic year in accordance with the norms laid down by University. One class representative from each class will be nominated as a member of Student Council. The Student Council members elect one General Secretary, one Cultural Secretary, one Sports Secretary and one Girl's representative. The members of the committee are elected for a term of one year. Meetings of the Student Council are arranged at least once in each term with Student`s Welfare Officer, discipline and anti-ragging committee. The Student Council aims at the all-round development of students and organize several co-curricular and extracurricular events throughout the year in association with the University and other organizations. Student Council also coordinates the student volunteer effort for the Institute events that are organized periodically. It also provides an opportunity to be a part of activities, motivated by our sense of social responsibility and aimed at giving back to society

Following is the constitution and members of the Student Council.

S. No.	Name		Designation
1	Dr. P.B.Mane		Chairman
2	Prof.Saba Shaikh		Member
3	Prof.S.R.Kokane		NSS officer
4	Mr.Shubham Gavhane	(BE Electrical)	University Representative General Secretary
	Mr.Shubham Mittal	(BE E&TC)	
	Mr.Sarvesh Ghadge	(BE Electrical)	
	Mr.Onkar Zinje	(TE Electrical)	
	Mr.Keshav Mutkule	(SE Electrical)	
	Mr.Shubham Mittal	(BE E& TC)	
	Ms.Shraddha Sakunde	(TE E&TC)	
	Ms.Ankita Kadam	(SE E&TC)	
	Mr. Swapnil Nandedkar	(BE Electronics)	
	Mr. Suchita Thorat	(TE Electronics)	
	Mr.Ahmed Nandaniwale	(SE Electronics)	
	Ms.Shraddha Kannurkar	(BE Computer)	
	Ms.Monika Gupta	(TE Computer)	
	Mr.Vivek Sharma	(SE Computer)	
	Mr.Rahul Anantulwar	(BE IT)	
	Mr.Saurabh Talathi	(TE IT)	
	Ms.Vishakha Mandge	(SE IT)	
	Ms.Divya Puram	(BE Instrumentation)	
	Mr.Omkar Bhoite	(TE Instrumentation)	
	Mr.Ranveer Singh	(SE Instrumentation)	
5	Prof.Deepali Morey		Physical director
6	Pushkar Jondhale		Sports Secretary
7	Pravin Chittekar		NSS
8	Deepak Singh Rawat		NCC

9	Kartik Dammania	Cultural	
10	1) Pramila Gabale (SE Electrical) 2) Pratiksha Dombhale(SE Electrical)	Girls' representative Girls' representative	

IQAC Member List

Stakeholder	Name
Principal, Chairman	Dr. P. B. Mane
Joint Secretary, AISSMS	Shri. S. P. Shinde
Member, AISSMS, Industry Associate	Shri. P. R. Brahme
Member, AISSMS, Industry Associate	Shri. N. A. Khanse
Coordinator (IQAC)	Ms. Mousami Vanjale
Co - coordinator (IQAC)	Mr. Sachin Shelar
Member	Dr. D. K. Shedge

Member	Ms. Mohini Sardey
Member	Mr. S. M. Chaudhari
Member	Mr. H. P. Chaudhary
Member	Ms. S. N. Zaware
Member	Mr. Pritesh Patil
Member	Dr. Y. P. Patil
Member	Ms. Saba Shaikh
Alumni	Ms. Aishwarya Phatak
Student Representative	General Secretary

The details of various academic and administrative bodies that have student representatives on them are as follows:

Sr. No	Academic / Administrative Bodies	Student Representatives (Year 2017-18)
1	Student Council	Mr.Shubham Gavhane
2	Cultural committee	Mr. Kartik Dammania
3	Sports committee	Mr. Pushkar Jhondhale
4	NSS committee	Mr. Pravin Chittekar
5	AAYAM	Mr.Omkar Vichare
6	DESA	Mr. Deven Mali
7	INSATS	Mr. Harshad Jagtap
8	ITSA	Mr. Ankit Baghel
9	CESSA	Mr. Pratik Lodha
10	ETSA	Mr.Kunal Kshirsagar
11	TEESSA	Mr. Subham Mittal
12	EESA	Mr. Devesh Bhangale

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

The institute has alumni association since 2009. It has been registered officially in the academic year 2014-15. The registration No. 301/2015, dated 11.3.2015. A separate bank account is opened in the year 2015for maintaining the alumni funds. Institute arranges alumni meet every year to explore the opportunities of employment for current year batch students and even in alumnus. The following table gives the constitution and members of Governing body of Alumni Association.

Sr. No.	Name and Address	Occupation	Designation
1	Dr. Pradeep Bajrangrao Mane AISSMS Institute of Information Technology, Kennedy Road, near RTO, Pune 411001	Service	Chairman
2.	Ms. Amruta Anil Rane AISSMS Institute of Information Technology, Kennedy Road, near RTO, Pune 411001	Service	President
3.	Ms. Sheetal Kaw Gogawale Apt.,near Kamala Nehru Hospital,Mangalvar Peth,Pune.	Service	Vice President

4.	Mrs. Minal Abhijit Zope AISSMS Institute of Information Technology, Kennedy Road, near RTO, Pune 411001	Service	Treasurer	
5.	Mr. Sanket Ashok Asarkar AISSMS Institute of Information Technology,Kennedy Road,near RTO,Pune 411001	Service	Secretary	
6.	Ms. Mayuri Vishnu Sawant B-12,Nalanda Society,Bibwewadi,Pune	Service	Joint Secretary	
7.	Mr. Aniket Bandale "Sangam",Plot No.2 Sarang Society,opp. Axis Bank,Garkheda,Aurangabad 431005	Service	Joint Treasurer	

5.3.2 No. of registered enrolled Alumni:1460

5.3.3 Alumni contribution during the year (in Rupees) : 90,000/-

5.3.4 Meetings/activities organized by Alumni Association: Alumni meet was conducted on 23rd February 2018. Activities organized by Alumni Association is given in below table

Sr. No	Name of Alumni	Year of Passing	Date of Activity	Contribution to College Development
SEM I
1.	Amol Shinde	2016	30/06/2017	Expert lecture on "Off campus placement opportunities"
2.	Abhijit Jagtap	2016	01/07/2017	Expert lecture on "Project topic section, industry expectation from freshers, placement opportunity"
3.	Priya Talreja	2015	07/07/2017	Expert lecture on " application development for ios"
4.	Mr. Sagar Bendre	2017	31/07/2017	Expert Lecture: "Development of Entrepreneurships skills and Applications of Electrical Engineering for social cause"
5.	Anil Soni	2017	28/08/2017	Expert talk on "Preparation for placement "
6.	Saurabh Kulkarni	2017	28/08/2017	Expert talk on "Preparation for placement "
7.	Anita Mohan	2007	21/08/2018	Overseas Job opportunities
SEM II
8.	Mr. Aniket Samel	2013	02/01/2018	Expert Lecture: "Education System in USA and challenges in front of students"
9.	Mr. Akshay Apte	2013	09/01/2018	Expert Lecture: "Abilities and Skills required by students"
10.	Mr. Omkar Pisal	2016	14/02/2018	Expert lecture on Microprocessor Programming with TASM"
11.	Mr. Swapnil Shirole	2016	15/02/2018	Expert lecture on "Robotics and its applications"
12.	Mr. Omkar Gurav	2016	12/02/2018	Workshop on "Cyber Security"

13.	Mr. Amin Pinjari	2016	14/02/2018	Expert lecture on "Install and configure and android studio on linux/ windows platform" for TE
14.	Mr. Kunal Sonawane	2014	15/02/2018	Expert lecture on " AWT, Swings in Java" for BE
15.	Mr. Sonali Patawe	2012	23/03/2018	Expert lecture on "JAVA application ,industrial perspective"
16.	Mr. AmolDubal	2016	26/03/2018	Expert Lecture: " Importance and Preparation of Competitive exams"
17.	Sirmokadam Noopur	2017	15/03/2018	Expert Lecture: Importance of communication skills
18.	Radhika Gangakhedekar	2016	05/02/2018	Expert Lecture: Jobs in Biomedical field
19.	Mr. Amol Jadhav	2017	19/02/2018	Expert Lecture: How to become an entrepreneur.
20.	Akshay Bhagwat	2017	29/03/2018	Expert Lecture on Parallel Programming
21.	Mr. Sagar Soni	2017	25/09/2017	Expert Lecture on NoSQL database

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/No/Partial: Yes (ERP)
6.2 Strategy Development and Deployment
6.2.1 Quality improvement strategies adopted by the institution for each of the following (within 100 words each):
●   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 –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 -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.
●   Research and Development- the College has PG center for Electrical and E&TC engineering. Also it has recognized research center for E&TC. 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.
●   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.
●   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.

- Industry Interaction / Collaboration- The dedicated team of faculty members is formed along with T&P cell of college 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- 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 Savitribai Phule Pune University. The college also offers Facilitation Center for the professional course admissions under DTE, Maharashtra.

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

- Planning and Development- All the mandatory disclosures as per apex bodies are in place, www.aissmsioit.org

- 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- 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– 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– 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 which financial support provided	Name of the professional body for which membership fee is provided	Amount (Rs.) of support

2017-18	Prof. Saba Shaikh	Research Solar conclave	College of Engineering	600
2017-18	Prof. Varsha Patil	GMRT Khodad	College of Engineering Pune	600
2017-18	Prof. Prashant Wakhare	FDP-Fundamental of Data Structure	PVG College of Engineering Pune	350
2017-18	Prof. Smita Takalkar	Electronics System Design	RMD Sinhagad School of Engg.	650
2017-18	Prof. Mamta Wanjare	Electronics System Design	RMD Sinhagad School of Engg.	650
2017-18	Prof. Vijay More	Theory & Laboratory Conduction	Cummins College of Engg For Women Pune	500
2017-18	Prof. Anuja Phapale	Theory & Laboratory Conduction	Cummins College of Engg For Women Pune	500
2017-18	Prof. Pragati mahale	Theory & Laboratory Conduction	Cummins College of Engg For Women Pune	500
2017-18	Prof. Prashant Wakhare	Theory & Laboratory Conduction	Cummins College of Engg For Women Pune	500
2017-18	Prof. Jayashree Pasalkar	Theory & Laboratory Conduction	Cummins College of Engg For Women Pune	500
2017-18	Prof. Jaydeep Patil	Advanced Java & Mobile Application Development	Sinhgad Institute of Technology & Science Narhe Pune	1250
2017-18	Prof. Veena Bhende	Advanced Java & Mobile Application Development	Sinhgad Institute of Technology & Science Narhe Pune	1250
2017-18	Prof. Dipali Zingade	Computer Network Lab	Smt.Kashibai Navale College of Engineering	250
2017-18	Prof. Shilpa Pimpalkar	Database Mgmt System Laboratory	KJ College Of Engineering	250
2017-18	Prof. Girish Navale	Mongo DB & PL/SQL	International Institute of Information Technology	300
2017-18	Prof. Prashant Sadaphule	Induction Program	SPCOE Munshi Nagar Andheri(W) Mumbai	1737
2017-18	Prof. Rahul Jadhav	Telecom Sector Skill Council	Google India Gurugram Haryana	32092
2017-18	Prof. Varsha Patil	Tata Institute of Fundamental Research	Father Agnels of Engineering Vashi Navi Mumbai	1860
2017-18	Prof. Shweta Patil	IBM Cloud	IBM India Pvt Ltd	250
2017-18	Prof. Amrapali Chavan	IBM Cloud	IBM India Pvt Ltd	250
2017-18	Prof. Vinayak Bairagi	Orientation Lecture for Avishkar	AISSMs IOIT Pune	10075
2017-18	Prof. Mohini Sardey	State of Art Hands on Training	IIT Mumbai	3805
2017-18	Prof. Prajwal Gaikwad	SP & OS Lab	Smt.Kashibai Navale College of Engineering	400
2017-18	Prof. Prashant Sadaphule	SP & OS Lab	Smt.Kashibai Navale College of Engineering	400
2017-18	Prof. Minal Nerkar	Web Technology	D.Y Patil Institute of Engg. Mgmt & Research	1000

			Pune	
2017-18	Prof. Suchita Patil	PLC & Automation DSP & Applications Fundamentals of HDL	AISSMS COE Pune	250
2017-18	Prof. Meghana Atakari	PLC & Automation DSP & Applications Fundamentals of HDL	AISSMS COE Pune	250
2017-18	Prof. Mamta Wanjare	Advanced Processor	Marathwada Mitra Mandal College of Engg Pune	2250
2017-18	Prof. Jaydeep Patil	Embedded System & Internet Of Things	Pimpri Chinchwad College of Engg Akurdi	2500
2017-18	Prof. Gauri Barse	Design & Analysis of Algorithms	Maharashtra Institute of Technology Pune	3000
2017-18	Prof. Sachin Shelar	BRIDGE 18 Conference	Hotel Sheraton Grand Pune	767
2017-18	Prof. Smita Takalkar	DSP & Applications	AISSMS COE Pune	500
2017-18	Prof. Rutuja Kulkarni	DSP & Applications	AISSMS COE Pune	500
2017-18	Prof. Pooja kaware	DSP & Applications	AISSMS COE Pune	500
2017-18	Prof. Nilima Warade	DSP & Applications	AISSMS COE Pune	500
2017-18	Prof. Sachin Shelar	Enhancing Quality of Technical Education Issues & Challenges	Thakur College of Engineering & Technology Mumbai	1525
2017-18	Prof. Pragati Mahale	Syllabus Orientation Faculty Development Program	Zeal College of Engineering & Research Pune	1200

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 organized for teaching staff	Title of the administrative training programme organized for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non- teaching staff)
2017-18	Faculty Orientation Workshop for revised syllabus of TE E&TC (2015 Course)	NA	23/06/2017 to 24/06/2017	03	NA
2017-18	National Level Workshop on " Technical Symposium of Texas Instruments"	NA	23/01/2018 to 25/01/2018	07	NA
2017-18	Two days National Level Workshop on " Antenna for Modern Wireless Communication"	NA	01/02/2018 to 02/02/2018	06	NA
2017-18	SPPU sponsored Hands on FDP on wavelet application in signal and Image Processing	NA	18/01/2018 to 19/01/2018	52	NA
2017-18	Effective Teaching Methodologies	NA	30/06/2017 to	20	NA

			06/07/2017		
2017-18	MATLAB	NA	26/03/2018 to 26/03/2018	6	NA
2017-18	Arduino Hands-On training and sensor Interfacing	NA	09/02/2018 to 09/02/2018	2	NA
2017-18	Power Quality & Motor Analyzer	NA	24/01/2018 to 24/01/2018	8	NA

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	Date and Duration (from – to)
FDP on Data Science with Python	1	04/10/2017 to 08/10/2017
FDP on Data Science and big data analytics	1	29/01/2018 to 02/02/2018
Online course on Effective Teaching –learning of CS in schools	1	07/12/2017 to 09/12/2017
Online Course on Basic 3 D Animation using Blender	3	03/09/2017 to 17/12/2017
Online course on Pedagogy for effective use of ICT for school teachers	1	28/09/2017 to 19/11/2017
FDP on Software lab-IV (CNT)	1	02/01/2018 to 03/01/2018
STTP on System Programming and advances in compiler construction	1	11/12/2017 to 16/12/2017
FDP on Foundation program in ICT for education	1	18/05/2018 to 27/05/2018
FDP on Internet of things using Raspberry PI	1	24/10/2017 to 28/10/2017
Workshop on Innovative Research in pedagogy for Mini MOOC's Blended with Instruction strategies to Enhance Quality of Higher Education	2	21/07/2017 to 22/07/2017
Workshop on Advanced Java and Mobile Application Development	4	07/07/2017 to 08/07/2017
Online Course of "Data Structures"	2	21/02/2017 to 12/12/2017
FDP- Advance JAVA and Mobile application	2	12/06/2017 to 16/06/2017
Training Program on Train the Trainer program	1	31/07/2017 to 04/08/2017
Seminar on Industry Insight	1	15/09/2017
Seminar on Virtual Labs	6	04/08/2017
FDP on Introduction to modern application development.	1	24/07/2017 to 15/09/2017
Online Course Outcome based pedagogic principles for effective teaching	1	24/07/2017 to18/08/2017
Workshop on Induction Program to be Launched by AICTE for Students	1	30/06/2017
FDP on Computer Networks Laboratory	1	13/06/2017
FDP on Database Management System Laboratory	1	16/06/2017
FDP on Web Technology	1	13/12/17 to 15/12/17
One Week Faculty Development Program on Deep learning & Image Processing	2	11/12/2017 to 15/12/2017
Two Days State Level Workshop on Deep Learning with Hadoop	2	10/01/2018 to 11/01/2018

Faculty Development Program on Wavelet Applications in Signal and Image Processing	5	18/01/2018 to 19/01/2018
Two Day National Workshop on Machine Learning and It's Applications in Engineering	2	16/03/18 to 17/03/18
One Week Faculty Development Program on Design and Analysis of Algorithms	1	18/12/2017 to 23/12/2017
FDP on Foundation Program in ICT for Education-(FDP101x)	1	24/03/2018 to 25/03/2018
FDP on System Programming & Advances in Compiler Construction	1	11/12/2016 to 16/12/2016
FDP on System Programming & Operating System Laboratory	2	12/12/2017
FDP on "Software Modeling & Design"	1	27/12/2017 to 28/12/2017
Online Course on "Redhat Enterprise Linux Technology"	2	11/04/2018
Oracle SQl for Beginners	1	05/04/2018
NPTEL Online Course on "Outcome based Pedagogy Principles for Effective Teaching"	2	27/07/2017 to 28/08/2017
Online Course Effective Teaching Learning of CS in Schools	2	7/12/2017
Online Course on Oracle SQl for Beginners	1	05/04/2018
Online Course of "Object Oriented Programming"	1	21/02/2017 to 12/12/2017
Online Course of "Programming Basics"	1	21/02/2017 to 12/12/2017
Online Course of "Object Oriented Programming"	1	21/02/2017 to 12/12/2017
NPTEL Online Course on "Data Science for Engineers"	1	05/02/2018 to 07/04/2018
NPTEL Online Course on "Cloud Computing"	2	05/02/2018 to 07/04/2018
FDP on IOT for Industrial Digitization	1	23/03/2018 to 24/03/2018
FDP on Embedded System and Internet of Things	1	18/12/2018 to 23/12/2018
Symposium on "Cyber Security"	1	23/11/2017 to 24/11/2017
STTP on Advanced Java & Mobile Applications	1	07/07/2017 to 08/07/2017
STTP on Cyber Forensics & Information Security	1	04/10/2017 to 08/10/2017
Two day's workshop on "Patent Drafting"	1	20/07/2017 to 21/07/2017
Workshop on "Innovative research in pedagogy for mini MOOC's Blended with instruction strategies To enhance quality of higher education"	2	21/07/2017 to 22/07/2017
Two days STTP on Signal Processing using MATLAB	1	07/02/2018 to 08/02/2018
FDP on "Image Processing & Pattern Recognition Application" with Hands on	1	27/11/2017 to 01/12/2017
Online Course on 15 Days course on "Introduction to the patent co-operation Treaty	1	14/11/2017 to 29/11/2017
Seminar on Fire volunteer program	1	26/02/2018
NI Technical symposium	1	02/11/2018
Seminar on ISA Tech. talk on increasing plant uptime	1	07/07/2017
Workshop on Recent trends in application of Mathematics in Engineering and science	1	04/01/2018 to 05/01/2018
Workshop on Faculty orientation workshop TE 2015 course Subject : Mechatronics	2	22/06/2017 to 24/06/2017
Faculty Program on Faculty Training	2	31/07/2017 to 04/08/2017

Workshop on Development of Mechatronics Systems using Arduino – A Project Based Learning Approach	1	18/08/2017 to 20/08/2017
Workshop on IEEE pune section ,IBM	1	11/09/17
Seminar on Automation Studio User Meet 2017	2	06/10/2017
Workshop on "Familiarization of Nanofabrication Technologies"	2	29/11/2017 to 01/12/2017
Workshop on Recent trends in Internet of Things	1	04/12/2018 to 15/12/2018
Workshop on "Ethics and moral values"	2	05/12/2017 to 18/12/2017
One Day workshop on advance processor	1	07/12/2017
1 Week STTP "Analog, Digital Communication and wireless networks."	1	12/12/2017 to 16/12/2017
Three Days FDP on advance processor	1	14/12/2017 to 16/12/2017
FDP on ITCCN	1	14/12/2017 to 16/12/2017
FDP on Object Oriented Programming"	1	15/12/2017 to 17/12/2017
Workshop Embedded systems IIT Bombay TIFR Bombay	1	19/12/2017 to 23/12/2017
One day national Seminar "Medical Image and Signal Processing"	1	23/12/2018
Workshop on "Low power design using Quantum Dot Cellular Automata"	2	04/01/2018 to 05/01/2018
"Water Olympiad Competition"	1	10/01/2018
Workshop on "Antennas for modern wireless communication"	6	01/02/2018 to 02/02/2018
Seminar on 'Insights of Accreditation Process for affiliated Colleges'	1	06/02/2108 to 07/02/2108
Seminar on "Video processing opp. and challenges	1	29/01/2018
Seminar on "Smart Village, Smart City"	1	27/02/2018
5 days STTP on Image Processing and Machine Learning in Biometrics and Healthcare	1	06/03/2018 to 10/03/2018
Seminar Laws for women at working places.	9	09/03/2018
Two Week Foundation Programme in ICT for Education (FDP101-X)	1	13/03/2018 to 25/03/2017
National level Workshop on Machine Learning and its application in Engineering	2	16/03/2018 to 17/03/2018
INUP Hands-on Training Nanofabrication Technologies.	1	19/03/2018 to 23/03/2018
Workshop on Internet of Things for Industrial Digitization	1	23/03/2018 to 24/03/2018
FDP on "Teaching Learning Practices in Structural Analysis" at ZEAL College Pune	2	06/06/2017 to10/06/2017
Faculty Development Program on "Effective Teaching Methodologies"	17	30/06/17 to 07/07/17
Two days workshop on "Computer Aided Machining Using Edgecam Software"	1	17/07/2017 to 18/07/2017
One Week AICTE Sponsored Workshop On Student Induction Program	6	17/07/2017 to 21/07/2017
Training Program on "Introduction On STAAD-Pro"	2	24/07/2017
12 Week online Coarse 2017 on subject of	2	24/07/2017 to 22/10/2017

"Structural Analysis-I"		
STTP at IISc, Bengaluru on X-Ray Crystallography	1	11/09/2017 to 15/09/2017
Training Program on "Physics of Semiconductors at IIT Katpur"	1	15/08/2017 to 20/11/2017
Training Program on Changing Gears By Forbes Marshall CII	1	21/07/2017 to 13/10/2017
Training Program on "Structural Analysis & design using ETABS"	1	16/02/2018 to 25/02/2018
Workshop on "Matrix Method of Structural Analysis"	1	23/01/2018 to 28/01/2018
FDP on "Learning in Teaching & Teaching for Learning" at DPCOE Pune	3	11/12/2017 to 12/12/2017
Seminar on "Resent Trends in New Production Development" at AISSMSCOE Pune	2	08/03/2018 to 09/03/2018
Workshop on "Writing Research Paper and Patent" at VIIT Pune	1	29/01/2018 to 30/01/2018
Elsevier Connect Seminar	2	08/11/2017
One day workshop on "How to draft research proposal"	2	31/08/2017
One Week Sttp Program On Current Aspects In Renewable Energy Materials And Conservation (Meda)	6	26/12/2017 to 30/12/2017
Implementation of 3-week Induction Program for FE under AICTE Mandate	1	07/04/2018
International Conference on Rotating Electrical machines and Drives .ELROMA 2017	1	14/09/17 to 15/09/17
International Conference on Knowledge Discovery in Science and Technology -2018	1	27/02/18 to 28/02/18
Workshop on Syllabus Revision of BE Electrical (2015 Course)	17	30/01/2018
Seminar on IEEE PES DL Lecture byDr. Sivaji Chakravorti "Condition monitoring of transformers" Director, NIT Calicut & Professor of Electrical Engineering, Jadhavpur University, Kolkata	2	29/07/2017
One day workshop on solar net metering	4	23/11/17
IEEE ITEC INDIA 2017 International conference on Electric Vehicle	1	13/12/2017 to 15/12/2017
IEEE International Conference ICPS 2017	2	21/12/2017 to 23/12/17
One day workshop on "Enhancing Quality of Technical Education Issues and Challenges"	1	21/02/2018
One day workshop on question bank uploading orientation	1	13/10/2017
One day tour of TCS Sahyadri Park facility	1	22/08/2017
One day workshop on Industry Insight	1	15/09/2017
Workshop on ME (Power Electronics AND Drives 2017 Course) Syllabus Revision	1	30/03/2018
Workshop on MATLAB	1	26/03/2028
The 8th National Power Electronics Conference	1	18/12/2017 to 20/12/2017
Preparatory workshop on Affordable Agriculture	1	28/02/2018
Workshop on Formation of Special Interest Group on Agricultural	1	30/03/2018

Workshop on Solar Roof tops	1	07/07/17
5 day STTP on, "Train the Trainer" at ELTIS	1	10/07/2017 to 15/07/2017
Eplan Software Symposium	2	24/11/17
PSSE software presentation- Workshop	1	13/06/17
T10KT Two Week ISTE STTP on Electric Power System at remote Centre	1	12/06/2017 to 15/07/2017
Faulty Orientation Workshop on DSP& Application	1	15/12/2017
Workshop on Video Processing Opportunities and Challenges	1	29/01/2018
Workshop on Texas Symposium of Texas instruments on Advanced Processor	4	23/01/2018
Workshop on Machine Learning and its application in engineering	2	16/3/2018 to 17/3/2018
Seminar Medical Image and Signal Processing	1	23/12/2017
Workshop on Empowerment of Students & Teachers through Synchronous & Asynchronous Instruction	1	15/03/2018
FDP on Electromagnetic and Transmission Lines	1	07/06/2017 to 11/06/2017
Workshop on Business Management / Business Management & Organization	1	14/12/2018 to 15/12/2018
FDP on Fundamental Of HDL	1	15/11/2017
Workshop on Industry Insight	1	15/09/2017
Elsevier Connect Seminar	2	8/11/2017
Workshop on Electronic System Design	1	23/06/2017 to 24/06/2017
Workshop on how to manage money and be a smart investor	1	09/12/2017
Workshop on Employability Skills and Mini Project	1	14/12/2017 to 15/12/2017
Workshop on Advanced Processors	1	14/12/2017 to 16/12/2017
Workshop on PLC and Application	1	15/11/2018

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent	**Fulltime**	**Permanent**	**Fulltime/temporary**
70	151	74	90

6**.3.5 Welfare schemes for**

Teaching	Group Insurance Scheme (GIS), Higher Study Sponsorship
Non-teaching	Uniform, Group Insurance Scheme (GIS)
Students	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

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 2017-18 has been carried out by internal Auditor in April 2015 and External (Statutory) Audit in May2018.

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	Funds/ Grants received in Rs.	Purpose
Agencies/ individuals		
Nil	Nil	

6.4.2 Total corpus fund generated- Nil

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	No	-	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. Mr.Mayur Dhumal Embedded systems IIT Bombay 19/12/ 2017 & 23/12/2017
2. Mrs.M.B.Bongale Women's day ICC AISSMS IOIT 12/03/2018

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 Connect (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 EDCell.

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

a. Submission of Data forAISHEportal   : Yes
b. Participation inNIRF   : Yes
c. ISOCertification   : No
d. NBA or any otherqualityaudit   : No

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration	Number of participants
2017-18	Induction program for newly appointed faculty members	11/07/2017 to 17/07/2018	3 days	23
2017-18	Session on meditation for stress management	18/08/2017	1 day	29
2017-18	Meeting for central committee coordinators	07/09/2017	1 day	31
2017-18	Cultural program for ladies staff members	27/09/2017	1 day	50
2017-18	Orientation lecture on 'revised PBAS" by Principal	23/10/2017	1 day	100
2017-18	Internal Academic Audit	13/11/2017 to 15/11/2017	3 days	150
2017-18	Session of "application of MATLAB R2017b"	20/12/2017	1 day	17
2017-18	Orientation on "New NAAC (July 2017) Framework"	08/01/2018	1 day	125
2017-18	Student satisfaction survey	01/03/2018 to 10/04/2018	10 days	123
2017-18	Internship for final year students of AY 2018-19	01/06/2018 to 30/06/2018	15-30 days	368
2017-18	Participation in NIRF	September to November 2017	2 months	
2017-18	Preperation for NBA (applied and submitted pre qualifier)	November 2017	1 month	
2017-18	Preparation and Submission of AQAR for AY 2016-17	06/07/2017	2 months	

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 theyear)			
Title of the programme	Period (from-to)	Participants	
		Female	Male
Earn and learn scheme	July 2017- January 2018	48	27
Special Guidance Scheme	June 2017- March 2018	175	150
Personality Development	30/10/2018	58	42
Disaster management	16 /03/2018	16	84
Intellectual Property Rights	14 /03/2018- 15 /032018	84	51

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

1. "Palkhi bhet and cleaning of campus" on 21 June 2017 by NSS students.
2. "Campus cleaning" on 2 August 2017 by NSS students.
3. "RTO cleaning campaign" by NSS team on 8 August 2017.
4. "Shaniwar wada cleaning campaign" by NSS team on 11 August 2017.
5. Rain water harvesting structure and utilization done in the campus.
6. Green audit is done in the campus.
7. "Tree plantation on Dighi hills" by NSS team on 4 July 2017.
8. Installation of roof top solar power plant completed and testing is in progress.
9. Traffic rules, regulation and management awareness program in association with RTO Pune.

7.1.3 Differently abled (Divyangjan) friendliness

	Yes/No	No. of Beneficiaries
Physical facilities	Yes	04
Provision for lift	Yes	04
Ramp/ Rails	Yes	04
Braille Software/facilities	No	-
Rest Rooms	Yes	04
Scribes for examination	Yes	01
Special skill development for differently abled students	No	-
Any other similar facility	No	-

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the

year						
Year	**Number of initiatives to address locational advantages and disadvantages**	**Number of initiatives taken to engage with and contribute to local community**	**Date and duration of the initiative**	**Name of the initiative**	**Issues addressed**	**Number of Participating student and staff**
2017-2018	10	10	29 /08/2017 (1day)	Organ donation rally	Awareness about organ donation	150
			09 /09/2017 (1day)	Cyclothan	Health consciousness	150
			13 /09/2017 (1day)	Aga Khan Palace visit	Introducing the historical places	150
			25 /01/2018 (1 day)	Voting Awareness	Human Rights	150
			10 /03/ 2018 (1 day)	Pune Womens Half Marathon	Health consciousness	150
			05 /01/2018 – 06/01/2018 (2days)	Awareness about cyber crime	Cyber crime and its awareness among students	150
			06/05/2018	NEET –UG-2018	Our Institute is located at center place which is convenient to all the students coming from different places.	600
			10/05/2018	MHT-CET 2018		480
			08/04/2018	JEE(MAIN) 2018		600
			16/07/2018-17/07/2018	Job Fair-2018		147

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up
Quality Assurance Manual	11/12/2014	No Change

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration	Number of participants

1. Lohagad Fort Conservation	19/07/2017	150
2. Kargil day	26 /07/2017	150
3. Independence Day celebration	15/08 2017	All teaching & non-teaching staff, students
4. Seminar on 'Demonetization'	22 /08/2017	150
5. National Anthem Day	22 /09/2017	150
6. Republic Day celebration	26 /01/2018	150

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

1. Installation of roof top Solar Power plant.
2. Green audit of campus is done.
3. Tree plantation is done in the campus by NSS and SDO team.
4. Campus cleaning activity is conducted regularly by NSS unit.
5. Rain water harvesting plant implemented in the campus.
6. Institute encourages staff and student to use bicycle for local transportation.
7. E-waste management system is in place in institute which properly dispose the e-waste generated in college.

7.2 Best Practices

Describe at least two institutional best practices. Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

1. Title of the Practice :50:10 Module

Goal :
- To inculcate the critical thinking skill among the studetns so that they can summarize the knowledge gained through class teaching or self learning.

- To promote self-learning on advanced topics.

- To improve verbal communication and presentation skill of student.

- To boost the confidence of student to face the audience.

The context :
In engineering faculty the lecture period is of 60 minutes. In 50:10 module, the teacher conducts lecture for the duration of 50 minutes and 10 minutesslot is reserved for presentation by the student where he/she summarizes the concepts taught by the teacher or knowledge gained through self learning. The focus of 50:10 module is to share the perception of knowledge about the concept in front of the class.Teacher observes the content delivery and command over language of the student that includes analysis of vocabulary, grammar and communication skills. It is a type of free practice which boosts the confidence of student.

The practice:
- At the end of every lecture, randomly a student is selected as presenter who will summarizes the concepts in front of the class.

- Teacher appreciates the contribution made by student and provides feedback to him/her regarding the areas of improvement.

- If it is observed that some studetns in the class are weak in their presenetation skills, then topic to be delivered is informed well in advance for effective presentation.

Problem encountered and resource required:

- Students with low confidence some times do not come forward for the presentation. Then teacher has to motivate them which takes more time to complete the activity.

- Sometimes the voice level of students is low, which may not keep the class engaged in the activity and it becomes very mundane for the class.

Evidences of Success:

The success of 50-10 module has been seen in following situations:

- During practical, oral, seminar and project examinations students are more expressive which results into better score.

- Students' confidence is remarkable during placements, technical and non-technical events.

2. Title of the Practice: 'Changing Gear' Initiative in association with industry.

Goal:

- To groom the personality of students from the under prevelaiged section of the society.

- To improve English language skills i.e. reading, writing, listening and speaking for academic purpose and life long learning.

- To map individual's personality traits with employability skills.

- To enhance employability skills.

- To make students aware and ready for campus to corporate transition.

The context:
Changing Gear Initiative was organized by training and placement department in association with Forbes Marshell Pvt. Ltd. and CII for students from the underprivileged section of the society. The aim of this initiative is to inculcate English reading, writing, listening, and speaking skills among the students for development of dynamic personality and to improve employability skills. Students were encouraged to think on their own and form their ideas using their experience, knowledge and imagination.

The practice:
- The students from the underprivileged section of the society studying in the institute, who are weak in English communication are identified through test and personal interviews.Special training is given to them by the trainers from industry and institute to improve their communication skills.

- Focus is provided on expression of ideas in clear and grammatically correct English.

- Students are motivated to take active part in group discussion, showing ability to express

agreement or argument to summarize ideas to elicit the views of others and present own ideas.

- Acitivty based sessions and real life experience sharing helped for better understanding and learning.

Problem encountered and resource required:

- Students initially hesitate for this initiative and training due to low confidence.
- Time requirement for narration of event varies from student to student. In that case time needs to be managed by trainer.

Evidences of Success:

The success of Changing Gear Initiative has been seen in following situations:

Enhanced confidence and initiatives was observed

- During group activities.

- During technical and non- technical events
- During seminar, project and oral/practical examinations.

7.3 Institutional Distinctiveness

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.

Value added courses: Institute has taken initiatives to start **value added courses** for engineering students which helps them to upgrade their skills and increase their potential for employability. Value added courses have helped graduates to respond quickly to the needs of dynamically changing technology.

Industrial training/ internship:Institute has encouraged students to opt for **internship** and provided many opportunities to students for attending internship programs offered by renowned companies. Internships are key to building experience as a student or recent graduate. Employers are much more likely to hire someone with internships and work experience rather than someone with a generic resume, lacking experience. Internship assist student for career development by providing real work experiences that provide students with opportunities to explore their interests and develop professional skills and competencies.

iConnect:The institute has started '*iConnect*' (individual-industry-institute Connect) program. This year it is made mandatory for third year students to do internship after the end sem. examination under iConnect program. T & P coordinator compiled the industry contacts submitted by the indivisual and shared them with third year students to help them get the internships. Total 366 students have completed their internships.

Changing Gear: Changing Gear Initiative was organized by training and placement department in association with Forbes Marshell Pvt. Ltd. and CII for students from the underprivileged section of the

society. The aim of this initiative is to inculcate English reading, writing, listening, and speaking skills among the students for development of dynamic personality and to improve employability skills. Students were encouraged to think on their own and form their ideas using their experience, knowledge and imagination.

Campus to Corporate Readiness Program (**CCRP**): In today's arena **aptitude test** is used as a measure of the abilities of a person. The aptitude test is of a great importance for the students applying for any job at fresher level. To make our students proficient in verbal reasoning, numeric reasoning, arithmatic analysis and to enhance their soft skills institute has organized **Campus to Corporate Readiness Program**(**CCRP**) for all students to improve their soft skills and reasoning capabilities to enhance their employability.

50:10 module: The institute has introduced the **50:10 module** where students are encouraged to present summary of the lecture (of 50 minutes) for 10 minutes so as to improve their communication skills.

Peer study group: The institute has taken initiative to encourage **collaborative learning** in students by forming **Peer study groups**, **Study circle** and **Student associations**. **Peer study groups** are formed consisting of 5-6 students. In this group, students discuss, study & share learning materials. Groups have the combination of weak and bright students. The group activities are coordinated by Group mentors of higher class on regular basis. This activity helps weak students to learn from the bright students.

Study circle supports the students for preparation of competitive examinations which in turn improves their critical thinking. Various workshops and technical events are organised under student association to encourage **collaborative learning** among students.

Creative learning: Assignments are given for every subject on regular intervals to inculcate self-study practice among the students. Assignment questions are framed based on learning levels of **Bloom's taxonomy** such as remembering, understanding, applying, analysing, evaluating and creating which help students to understand the questions clearly and teachers to evaluate students' learning level effectively,. Exclusively beyond syllabus few practical and theory assignments are also included in teaching learning process to broaden the students' subject knowledge.

Entrepreunership Development Cell (**ED Cell)** has been established to support and conduct the activities for the students those are interested to become entrepreuner and have innovative ideas with business/startup potential. In this regard ED Cell has signed MoUs with Maharashtra Centre For Entrepreneurship Development (MCED), Bharatiya Yuva Shakti Trust (BYST) and CoEP-BHAU-IoT.

Incubation center: The institute has started an '**incubation center'** to provide startup ecosystem for the young budding entrepreneurs. A**start up – 'Adolf Solutions'** has been started with the help of financial funding received from the institute.

Self defence coaching: To teach self defence to the girl students and promoting sports culture among

the students, one of the faculty members of the institute conducts '**Judo classes**' for students of the institute as well as other sports enthusiasts outside the institute. This initiative has made our students to win medals/awards at university level competitions. Some of the students of the class have aslo won medals/awards at national level competitions.

8. Future Plans of action for next academic year (500 words)

1. To increase the number of placements through the activities under 'iConnect' program.

2. To increase the number of students undergoing industrial training/internship.

3. To increase research publications in indexed journals.

4. To organize an open house day where the public can visit the various projects being carried out by faculty and students on the occasion of 'Science Day'.

5. To organize workshops/seminars for development of teaching and non-teaching faculty members.

6. To organize workshop to create awareness about renewable energy sources among the people in surrounding locality.

Name:Ms. Mousami Vanjale   *Name: Dr. P. B. Mane*

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Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

Annexure I

Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test CBCS
	-	Choice Based Credit System CE
	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence DPE
	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education
Institution SAP	-	Special Assistance
Programme SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution

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