



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	JSPM'S BHIVARABAI SAWANT INSTITUTE OF TECHNOLOGY AND RESEARCH
Name of the head of the Institution	Nagaraj Kalayanappa Timalapur
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	020-67335108
Mobile no.	9922914761
Registered Email	principalbsiotr@gmail.com
Alternate Email	principal.bsiotr@jspm.edu.in
Address	Gat No 720 (1 and 2) Pune Nagar Road, Wagholi, Tal Haveli, Dist Pune
City/Town	Pune
State/UT	Maharashtra
Pincode	412207

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Prabhuling Virbasappa Jatti
Phone no/Alternate Phone no.	919527119050
Mobile no.	9881409050
Registered Email	pvjatti@gmail.com
Alternate Email	pvjatti@yahoo.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://jspmbsiotr.edu.in/naac_aqar.php
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://jspmbsiotr.edu.in/pdf/naac/C5/5.5.3_b.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.86	2018	02-Nov-2018	01-Nov-2023

6. Date of Establishment of IQAC	06-Jun-2016
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
No Data Entered/Not Applicable!!!		

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Bhivarabai Sawant Institute of Technology and Research	QIP BCUD	Savitribai Phule Pune University	2018 730	500000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

4

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

Yes

If yes, mention the amount

39050

Year

2018

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

1. Conduction of Certificate/ Diploma Courses. 2. Skill enhancement through Value added courses imparting transferable and life skills . 3. Field Projects / Internships under taken during the year in collaboration with industries. 4. Motivation to Faculty members to appear NPTEL certification courses conducted by IIT. 5. Creation of Research Environment through seminars on Research Publication, funding agencies and Patent filing. 6. Recommendation of technical events. for skills enhancement of teaching staff.

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

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	07-Sep-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	30-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	1. Planning and Development MS Office , Tally 2. Administration MS Office , Tally , AutoLib. 3. Finance and Accounts MS Office , Tally 4. Student Admission and Support DTE website 5.Examination, attendance, Feedback MOODLE

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

Institute implements the syllabus prescribed by the university through well planned curriculum taking into consideration any gaps existing in the university syllabus. Following initiatives/mechanism adopted for for well planned curriculum delivery and documentation . 1. Curriculum Planning: Before the commencement of each semester the Head of the respective departments assigns subjects to the faculty members taking into consideration the expertise of the faculty members. Curriculum for different subjects is planned taking into consideration the inputs given by Internal Quality Assurance Cell (IQAC), Academic Monitoring Committee (AMC) and other stakeholders like alumni, students, employers, industrialists. Faculty development program(FDP) is

conducted before commencement of the semester in which subject experts, industry experts and faculty members participate to design the teaching and learning material which includes lecture notes, PPTs, video lectures etc.. Based on the curriculum designed with identified gaps, if any, guest lectures, workshops, industrial visits, add-on-courses, etc. are planned. The learning material designed through FDP and individual faculty member is uploaded on Modular Object Oriented Dynamic Learning Environment (MOODLE), wherein any student/faculty can access the study material for reference. 2. Support for Effective Curriculum Delivery Support for Faculty: Deputation of Faculty members to attend in-house and out house conferences/seminars/workshops/FDPs for knowledge enhancement to help faculty to delivery curriculum effectively. ICT enabled class room for faculty . Student centric teaching learning methodologies: Telecast of Video Conferencing lectures delivered from central studio of JSPM. Teaching methodologies like Originative Facile Approach (OFA) and Lab as a Museum. Use of E-Learning resources like MOODLE, NPTEL lectures by adopting ICT enabled class rooms. Ample number of subscriptions of text and reference books, e- books, e-journals. Provision of Intelligent Interactive Panel (IIP) in class rooms to make teaching learning enjoyable and effective. Evaluation and Analysis Continuous assessment of the student is carried out by conducting Class/ Unit tests /mock online tests/mock oral/mock practical exam to ascertain the attainment level of the students and thereby identify slow learners and advanced learners. External evaluation is done through in-semester, oral/practical and end semester written exam conducted by university. Remedial lectures are conducted for slow learners and opportunities are created for advanced learners to showcase their innovative ideas. Feedback from various stakeholders is taken for corrective measures to improve the effectiveness of curriculum delivery. Monitoring of delivery of curriculum: Various cells namely Internal Quality Assurance Cell (IQAC), Academic Monitoring Committee (AMC) Guardian Faculty Member (GFM) are constituted for formulation of mythologies and implementation and monitoring of the well planned delivery of the curriculum.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Gesture based Robotics	certificate	18/09/2018	1	Employability/ Entrepreneurship	Design skills for Robot Development
Workshop on CLOUDE DESIGN THINKING CDT 1.0	certificate	06/04/2019	2	Employability/ Entrepreneurship	Design skills
Workshop on Agile Methodology	certificate	29/03/2019	2	Employability/ Entrepreneurship	Skill development
Design ,Manufacturing ,Testing of three phase distribution Transformer	certificate	26/03/2019	5	Employability/ Entrepreneurship	design and testing skills for transformer
Workshop on Industrail	Certificate	20/08/2019	3	Employability/ Entrepreneurship	design skills for

Approach in Electrical and Electronics				eurship	electronic circuit development
Certificate Course on Creo	Certificate	10/09/2018	6	Employability/ Entrepreneurship	design skills for automotive parts.
Certificate course on Antenna Design	certificate	16/02/2019	2	Employability/ Entrepreneurship	Knowledge, Intrapersonal, Comprehension Application
Addon Course on "Recent Trends in PLC's and Automation"	certificate	28/02/2019	4	Employability/ Entrepreneurship	Knowledge/Intrapersonal/Comprehension Application/interpersonal/ Visual Spatial
Certificate Course on Circuit Making	certificate	17/01/2019	2	Employability/ Entrepreneurship	Knowledge/Intrapersonal/Comprehension Application/interpersonal/ Visual Spatial

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Engineering	01/06/2018
BE	Electrical Engineering	01/06/2018
BE	Electronics and Telecommunication	01/06/2018
BE	Information Technology	01/06/2018
BE	Mechanical Engineering	01/06/2019
ME	Computer Engineering	01/06/2018
ME	VLSI and Embeded System	01/06/2018

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

	Certificate	Diploma Course
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Number of Students

380

0

1.3 – Curriculum Enrichment**1.3.1 – Value-added courses imparting transferable and life skills offered during the year**

Value Added Courses	Date of Introduction	Number of Students Enrolled
FUEL- Aptitude and Technical Training	27/12/2018	46
Training Program on Micro controller for Drishti Online Contest	04/10/2018	35
Training Program on Circuit Making	18/01/2019	25
Course on 4G and 5G Technology	21/01/2019	35
A course on "VLSI Design using Verilog HDL through Webinar	01/02/2019	30
A course on "Advanced Research"	07/02/2019	32
Add-on Course on "Recent Trends in PLC's and Automation"	28/02/2019	22
Add-on Course on "Industrial Automation"	09/07/2018	35
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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1.4 – Feedback System**1.4.1 – Whether structured feedback received from all the stakeholders.**

Students	Yes
Teachers	No
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
A structured feedback is obtained from students, employers, alumni and parents through a set of questionnaire separately for the mentioned stakeholders. Students Feedback The feedback from the existing students is based on the set of questionnaire related to the teaching process, teachers preparedness, content delivery, quality of content delivery, clarity of explanations, instructiveness of teacher to encourage the students etc. The students feedback

so obtained is analyzed to find out strength and weakness of the teachers. The strengths are appreciated. And the weaknesses of the teachers are considered in planning counselling sessions, training programs to overcome the weakness to facilitate enhancement in the quality of content delivery. Employers feedback Employer's feedback is obtained to ascertain the performance of the institute alumni in their organization, through a set of questionnaire. The feedback obtained is analyzed and necessary improvement/changes are made in content delivery such that the employers needs/expectations are met with. The feedback is also used to identify the gaps in the curriculum to meet employers/industry/organization requirement. The feedback is also used to identify different training programs to be organized for the students. Alumni Feedback The institution has registered alumni association with charity commissioners' office. The association comprises of an executive body which looks after the day to day activities of alumni association of the institute. Every year one alumina meet is organized and this event is used to get the feedback of the alumni on various aspects like the curriculum improvement, training programmes to enhance the skill sets of students to make them employable, etc. Since most of the students graduated from this institution are placed in Pune based industries, feedback from students is obtained whenever they visit the institute. The feedback from the alumni is mainly made use of for identification of gaps in the curriculum and its implementation. Parents Feedback Feedback of parents is obtained in parents-teacher meet conduct separately in the various departments of the institute. Any type of suggestion/grievances for improvement in teaching-learning process, student support system and amenities/facilities are considered and executed on priority basis.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer Engineering	120	111	111
BE	Information Technology	60	55	55
BE	Electrical Engineering	60	23	23
BE	Electronics and Telecommunicati on Engg	60	39	39
BE	echanical Engineering	120	31	31
ME	Computer Engineering	24	6	6
ME	VLSI and Embeded System	24	5	5

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers
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	in the institution (UG)	in the institution (PG)	available in the institution teaching only UG courses	available in the institution teaching only PG courses	teaching both UG and PG courses
2018	1628	16	101	8	109

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
107	107	9	28	6	13

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

Yes, mentoring system is available in the institution which is playing an important role in addressing the students problems, may it be teaching learning process related or personal problem. Full time teacher in the institute are appointed as Guardian Faculty Member (GFM) by Head of respective departments. Responsibility of the GFM is to establish cordial relationship between students and faculty and to make them comfortable with the new environment and cope up with extensive engineering curriculum pressure. The one to one interaction with the student helps the faculty members to understand them better and can monitor their progress. In this endeavour GFM is assigned to a group of 15-20 students, who helps the students to identify and solve their problems and needs from time to time. The objective, purpose and the benefits of the GFM system are as summarised below.

Objective:- 1.To work upon the issues related to personal and academics of studnets to have stress free and happy environment so that they can concentrate fully on academics. 2.To help the students to identify and solve their problems and needs time to time. 3. To extend their support by working towards the aspects like punctuality, discipline, regularity etc. for overall development and motivate the students for excellence in academic and co-curricular activities. 4. To keep a record of the students related to information on the cultural, geographical, educational, economic and family background of the student. 5. To keep continuous track of the academic performance of each allotted student. 6. To identify the reasons for underperformance and /or decline in academic performance - language barrier, under nutrition and other health issues, cultural gap, economic status, first time resident student etc. If the GFM feels that the reason for underperformance is more deep rooted than the normal, the student is referred to the institute counsellor. 7. To explore hidden talent in the students and make them enough confident to participate in various events with zest. 8. To monitor daily attendance of students. If attendance found poor GFM is to find out the reasons and with proper counselling ensure daily attendance and proper academic progress. 10. To intimate parents in case of serious problems and ask them to visit to the institute to solve the problem and to bring the student (especially defaulters) in the proper academic flow. Purpose:- 1. To ensure availability of support and guidance to students for students development and resolving their problems. 2. To ensure holistic development of student. 3. Create point of contact for students and their parents for any information and queries. Benefit of mentoring system:- 1. Improves communication between students and mentor for academic excellence, stress management and time management. 2. Academic Performance Monitoring. 3. Career and self-awareness among students. 4. Understanding students' academic and social problems well in advance.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1649	107	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
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107	107	0	10	12
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2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Nilesh N. Thorat	Assistant Professor	Reviewer of International Journal of Research and Analytical Reviews (IJRAR)
2018	Appasab Salunke	Assistant Professor	Reviewer of International Journal of Research and Analytical Reviews (IJRAR)
2018	Prof. Tushar V. Kafare	Assistant Professor	Faculty Mentor for India Innovative Challenge design Contest 2019 by Dept. of Science Technology (DST) in association with Texas Instruments Powered by AICTE
2019	Prof. Tushar V. Kafare	Assistant Professor	NPTEL Elite Certificate : Microprocessor and Micro controller
2019	Dr. Yogesh S. Angal	Professor	NPTEL Certificate : Control System
2019	Prof. Prajakta J. Katkar	Assistant Professor	NPTEL Elite Certificate : Digital electronics
2018	Dr. Yogesh S. Angal	Professor	Vice- Chairman IETE Pune Centre
2019	Prof Ankita Tidke	Assistant Professor	NPTEL Certificate: Cloud Computing
2019	Prof P V Jatti	Assistant Professor	NPTEL Certificate: Manufacturing Process Technology
2019	Prof Dr. Bhandari Gayatri	Professor	NPTEL Certificate: Problem Solving Through Programming in C

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	631124510	First	17/10/2018	01/02/2019
BE	631129310	First	17/10/2018	01/02/2019
BE	631137210	First	17/10/2018	01/02/2019
BE	631124610	First	17/10/2018	01/02/2019
BE	631161210	First	17/10/2018	01/02/2019
BE	631124510	Second	09/04/2019	18/07/2019
BE	631129310	Second	09/04/2019	18/07/2019
BE	631137210	Second	09/04/2019	18/07/2019
BE	631124610	Second	09/04/2019	18/06/2019
BE	31161210	Second	09/04/2019	18/07/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Continuous internal evaluation system exists in the institute to measure the attainment levels of POs, PSOs and COs by the students. Head of the Departments and Academic Coordinator and his team ensures that all reforms of evaluation process are meticulously implemented. In-order to assess the learning levels of the students, different internal evaluation methods like assignments, internal class tests, Multiple Choice Questions tests, online exams, oral exams, Mock Oral and Practical exams are conducted. Efforts are taken to improve the overall performance of the students by undertaking remedial measures for slow learners. Major reforms initiated on CIE by the Institute:- 1. Evaluation of the assignments through MOODLE. 2. Evaluation of the Online MCQ tests through MOODLE. 3. Evaluation of student projects is done by the subject- experts during project review. 4. Appointment of Internal Unit Test Co-coordinator department-wise. 5. Continuous Assessment During practical sessions.

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

At the commencement of the academic year, affiliating University (SPPU) gives guidelines about the dates of commencement of the semester, schedule of in-semester exam, end -semester exam, online examinations, schedule of oral practical examinations, vacation schedule. By considering the academic calendar provided by SPPU, the Dean of academics prepares the institute academic calendar in consultation with the Principal and heads of the departments for both UG and PG courses separately before the commencement of academics and communicate the same to each department. It is also displayed on the institute website. The departmental academic calendar is in line with the institute calendar which is prepared by the departmental academic coordinator in consultation with Head of the Departments. The dates of exam, mock oral, submission, sport, industrial visit, gathering, festival holidays , Principal meeting, Departmental Meetings, GFM meeting, teacher feed - back, cumulative attendance, percentage syllabus coverage, planning Guest lectures, subject related certificates courses, add-on courses, value added courses and many other aspects are considered while finalizing the calendar. This helps in implementation of academic activities as soon as the session starts.

2.6 – Student Performance and Learning Outcomes

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

https://jspmbsiotr.edu.in/pdf/naac/course_outcomes.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
631124510	BE	Computer UG	98	92	93.88
631124510	ME	Computer PG	9	9	100
631161210	BE	Mechanical	127	115	90.55
631129310	BE	Electrical	147	107	75.89
631124610	BE	Information Technology	35	35	100
631137210	ME	E&TC Engg. (UG)	39	34	87.17
631134110	ME	E&TC Engg. (PG)	5	5	100
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2.7 – Student Satisfaction Survey

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

<https://jspmbsiotr.edu.in/pdf/naac/C2/2.7.1.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	730	BCUD, Savitribai Phule Pune University	5	2.5
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Guest Lecture on Data Analytics and IOT	Computer	21/02/2019
Seminar on Patents by Dr. S. S. Nehe	Mechanical	03/09/2018
Seminar on Copyrights by Dr. S. P. Joshi	Mechanical	02/01/2019

Guest lecture on Theory of Computation	Information Technology	09/08/2018
Guest lecture on Social Media Analytics	Information Technology	15/02/2019
Workshop on Agile Methodology	Information Technology	19/03/2019
Workshop on Cloud Computing	Information Technology	16/04/2019
A Seminar on "Advanced Research" by Dr. A D Shaligram, Dean, Faculty of Science and Technology, SPPU, Pune	ALL	07/02/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
State level Eligibility Test	Prof. Mahendra Sawane	Savitribai Phule Pune University	15/07/2018	Qualified
Medicals Waste management system	Prof. Tushar V. Kafare	Faculty Mentor for India Innovative Challenge design Contest 2019 by Dept. of Science Technology (DST) in association with Texas Instruments Powered by AICTE	01/03/2019	Faculty mentor
Low cost delta 3D printer	Prof A V Nichat Vivek Nemade. Mahindrqa Sutar, Pankaj Kulthe, Ajay Takmoghe.	DIC- Design Innovation Centre, SPPU Pune	07/04/2019	2nd runnerup cash prize of Rs.3000/-
Low cost delta 3D printer	Prof A V Nichat Vivek Nemade. Mahindrqa Sutar, Pankaj Kulthe, Ajay Takmoghe.	Bharti Vidyapeeth, College of Engineering. Pune	28/03/2019	Prize Rs.10000/-
Low cost delta 3D printer	Prof A V Nichat Vivek Nemade. Mahindrqa Sutar, Pankaj Kulthe, Ajay Takmoghe.	Pimpri Chinchwad College of Engineering, Pune, in association with Design innovation Centre, SPPU,	02/02/2019	1 st Prize Rs.5000/-

		Pune and Quality Control Forum of India, Bhosari MIDC Pune.		
Low cost delta 3D printer	Prof A V Nichat Vivek Nemade. Mahindrqa Sutar, Pankaj Kulthe, Ajay Takmoghe.	JSPMS, Bhivarabai Sawant Institute of Technology and Research, Pune in association with the Institution of Electronics and Telecommunication Engineers.	30/04/2019	1 st Prize Rs.10000/-
Go Cart	Prof L M Rathod and Team	Auto India Racing Championship Bhosari Pune	09/04/2019	3r Runner Up Rs.5000/-

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
CENTRE FOR INNOVATION INCUBATION ENTREPRENEUR DEVELOPMENT CELL (CIIEDC)	Meetonic Solution	Android Application	Meetonic Solution	Android Application	16/07/2018
CENTRE FOR INNOVATION INCUBATION ENTREPRENEUR DEVELOPMENT CELL (CIIEDC)	Canvito Software	Web Technology	Canvito Software	Web Technology	10/10/2019
CENTRE FOR INNOVATION INCUBATION ENTREPRENEUR DEVELOPMENT CELL (CIIEDC)	TechHub	Software Development	TechHub	Software Development	15/11/2018
CENTRE FOR INNOVATION INCUBATION ENTREPRENEUR DEVELOPMENT CELL (CIIEDC)	No Fiker Solution	Digital Marketing solution	No Fiker Solution	Digital Marketing solution	21/01/2019

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
15000	35000	5000

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

Name of the Department	Number of PhD's Awarded
Mechanical, Electrical, Information Technology, Computer Engineering and Electronics and Telecommunication Engineering	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	First Year	6	3.5
International	Computer	36	5.99
International	Information Technology	9	5.75
National	Electrical	14	5.65
International	Electrical	28	5.7
International	Electronics and Telecommunication	8	2.2
National	Mechanical	12	4.5
International	Mechanical	10	5.5

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

Department	Number of Publication
Computer	3
Information Technology	1
Electronics and Telecommunication	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations	Institutional affiliation as
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					excluding self citation	mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	3	16	22	57
Presented papers	3	1	0	0
Resource persons	1	0	4	5
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Earn Learn Scheme	Savitribai Phule Pune University/NSS/BSD	2	31
International Yoga Day	Savitribai Phule Pune University/NSS/BSD	4	42
Blood Donation Camp	Savitribai Phule Pune University/NSS/BSD	5	125
Marathi Bhasha Gaourav Divas	Savitribai Phule Pune University/NSS/BSD	4	40
Wachan Prerna Diwas	Savitribai Phule Pune University/NSS/BSD	3	40
Tree Plantation	Savitribai Phule Pune University/NSS/BSD	5	50
150 years of Mahatma Gandhi Birth Anniversary	150 years of Mahatma Gandhi Birth Anniversary	4	60
NSS Camp at Pimpri Sandas	150 years of Mahatma Gandhi Birth Anniversary	3	25
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students
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			Benefited
NIL	NIL	NIL	0
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
National Service Scheme/Board of Student Development	Savitribai Phule Pune University	Earn Learn Scheme	2	31
National Service Scheme/Board of Student Development	Savitribai Phule Pune University	International Yoga Day	100	42
National Service Scheme/Board of Student Development	UniversitySavitribai Phule Pune University	Blood Donation Camp	25	125
National Service Scheme/Board of Student Development	Savitribai Phule Pune University	Marathi Bhasha Gaourav Divas	4	40
National Service Scheme/Board of Student Development	Savitribai Phule Pune University	Wachan Prerna Diwas	4	40
National Service Scheme/Board of Student Development	Savitribai Phule Pune University	Tree Plantation	10	50
National Service Scheme/Board of Student Development	Savitribai Phule Pune University	150 years of Mahatma Gandhi Birth Anniversary	12	60
National Service Scheme/Board of Student Development	Savitribai Phule Pune University	NSS Camp at Pimpri Sandas	5	25
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3.5 – Collaborations

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

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
143.63	137.75

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
AUTOLIB	Partially	Version 10	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	5228	2407043	0	0	5228	2407043
Reference Books	9873	4240202	0	0	9873	4240202
e-Books	27000	182900	0	0	27000	182900
Journals	76	218459	0	0	76	218459
Digital Database	1	19470	0	0	1	19470
CD & Video	1387	0	0	0	1387	0
Library Automation	1	46000	0	0	1	46000
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	654	28	48	28	1	10	581	48	65
Added	0	0	0	0	0	0	0	0	0
Total	654	28	48	28	1	10	581	48	65

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

48 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Moodle	https://114.143.162.61/bsiotr/

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
40052294	50138295	14363988	1516824

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)

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) There are established systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, sports complex, computer, classroom etc in the institute. The maintenance of physical, academic and support facilities are carried out by the respective departments with the help of in house staff on daily basis and periodically. And care has been taken to keep the equipments, machine etc in working condition. In case of breakdowns standard procedure is followed to bring the equipment/machine in working condition. A supervisor is appointed to monitor and maintain the physical facilities and Housekeeping. A brief description is presented below on maintenance and utilization of some facilities. 1. Laboratories (All Labs Computer center): Each laboratory has one teacher as lab in-charge, a Lab Assistant and attendant. Lab in-charge is responsible to maintain and upgrade the laboratory with necessary equipments from time to time to cope with change in the syllabus. Dead stock verification (Physical Verification) is carried out to verify working/nonworking/missing equipments etc. Preventive maintenance and performance monitoring is carried out. Every laboratory assistance keeps the record of utilization of equipments, computers and other required material for experiments. 2. Library: Librarian with supporting staff has been appointed to maintain central library. They focus on the availability and utilization of instructional material in teaching and learning process. At end of the Academic year stock verification is done. Librarian will prepare the report on the same and utilization of books by the students and staff. Procurement of books as per the requirement is initiated through library committee by inviting the requirement of books from various departments this is then processed following the procurement procedure. 3. Sport complex/ground/equipments: Physical Director of the institute looks after the sports facilities and the activities. The sports equipments are issued to the students as per the schedule of the events. If any equipments get faulty sport director submits proposal for maintenance. Preventive maintenance measures are taken in time. Sport director is responsible for keeping the record of utilization of sport Facilities, activities held, awards for the students etc. 4. Class Rooms: Class rooms are allocated to all departments along with necessary ICT tools. The class rooms are utilized as per the time table of the department. The class rooms are cleaned on daily basis monitored by institute supervisor. Head of the institute, HODs and Class teachers also monitor the cleanliness and ensure that the cleanliness is maintained in the class rooms. 5. IT facilities: All departments in the institute are having PCs, essential software and peripherals .The laboratory technicians and s system administrator maintain the IT facilities in the institute. In case of major issues of maintenance vendors are hired for maintenance of IT facilities. 6. Electrical, Drinking water coolers, Lift etc.: Institute has employed technicians(electrician and plumber) for up keeping and

<https://jspmbsiotr.edu.in/pdf/naac/C4/4.4.2.pdf>

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	Academic Merit Scholarship	5	60000
Financial Support from Other Sources			
a) National	All Category Scholarship and EBC	1505	83138948
b) International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Guest Lecture on Preparation of Competitive Examination	1052	1	0	0
2018	Carrier Opportunities through GATE exam	28	1	0	1
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed

No Data Entered/Not Applicable !!!

[View File](#)

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	JSPMs Bhivarabai Sawant Institute of Research, Pune	Mechanical Engineering	Centre For Modeling and Simulation, S PPU, Pune	M Tech Modelling and Simulation
2018	1	JSPMs Bhivarabai Sawant Institute of Research, Pune	Mechanical Engineering	SPMs Kautilya Institute of Managemenat Research. Pune	MBA Marketing
2018	1	JSPMs Bhivarabai Sawant Institute of Research, Pune	Computer Engineering	VIT, Vellore	M.Tech
2018	1	JSPMs Bhivarabai Sawant Institute of Research, Pune	Computer Engineering	MIT, Kothrud , Pune	MBA
2018	2	JSPMs Bhivarabai Sawant Institute of Research, Pune	Computer Engineering	JSPMs Bhivarabai Sawant Institute of Research, Pune	ME
2018	1	JSPMs Bhivarabai Sawant Institute of Research, Pune	Electrical Engineering	PCCOE, Akurdi, Pune	MBA
2018	1	JSPMs Bhivarabai Sawant Institute of Research, Pune	Electronics and Telecomm unication	JSPMs Bhivarabai Sawant Institute of Research, Pune	M.E.

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	2
SET	1
GATE	15
CAT	1
GRE	1
No file uploaded.	

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

Activity	Level	Number of Participants
Kabbadi Boys	Institute	72
Basketball boys	Institute	72
Football boys	Institute	96
Chess(Indoor) boys and Girls	Institute	24
Carrom boys and Girls	Institute	24
Volleyball Boys	Institute	72
Kho-Kho Girls	Institute	72
Cricket Girls (box)	Institute	72
Cricket Boys	Institute	96
No file uploaded.		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	All India Inter University Archery	National	1	0	71744604C	Virkar Shree Kashinath
2018	Firodiya KarandakDholki Vadan	National	0	1	71625458B	Adhesh Subahash Dervankar
2018	Firodiya Karandak, Best Actor Award	National	0	1	71721945D	Payal Sharad Kale
2018	Impressions - Singing Award for Team	National	0	8	71625458B,	Adhesh Subahash Dervankar
2018	Impressions - Singing	National	0	1	71721945D	Payal Sharad Kale

	Award for T Shirt Painting					
2018	Impressions - Tri-Art Lawn Award	National	0	3	71722019C	Sonali Shankar Patil
2018	Impressions - Rangeela Best Duet Dancer Award	National	0	2	71721898 J	Sushmita Choudhari
2018	Impressions - Best Photographer Award	National	0	1	71648058 B	Manoj Rajendra Patil
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Various Students council and academic and administrative bodies exist in the institution which are as listed follows • Institute Student Council. • Indian Society for Technical Engineering student forum, • Institute of Electronics and Telecommunication Engineering forum Institute of Electrical and Electronics Engineers forum, • JSPM's Bhivarabai Sawant Institute of Technology and Research Alumni Association. • Training and Placement Committee Electronics and • Telecommunication Engineering Students Association . • Computer Engineering Students Association . • Mechanical Engineering Students Association Information . • Technology Students Association Electrical Engineering Students Association. Student Council: The composition is as follows: • General Secretary • Cultural Secretary • Sports Secretary Activities organized by student council-Variou s co-curricular, extracurricular and cultural activities are organized by the student council members along with the faculty coordinators.Students play administrative role in following activities.. Annual social gathering "NAKASHTRA" National level Mega technical event "CYNOSURE" Technical project poster exhibition "TECHNOVATION" Technical event"TECHNOMANIA" Technical and Non Technical events "INFONERVE" Hobby Club Art gallery Workshops, Seminar and guest lecturers organized under banner of Student forum. University level project completion "AVISHKAR" orientation program. Treasurer ensures proper financial management of the Student Body corpus so that various student run activities can be conducted smoothly. Council Members and the teams together strive hard to ensure that co curricular and extracurricular activities get an enriching and memorable experience during their tenure at BSIOTR. Sports secretary look after the all administrative part of annual sports activities along with members from each department under the guidance of sport director. Student's forum of Professional bodies Student's forums of professional bodies have the student's representation. The forums focus on the promotion of activities related to academics and skill enhancement programmes. Alumni Association Committee: The alumni association of BSIOTR is registered with the charity commissioner office. The executive committee of the alumni association comprises of present student and alumni as its members. These members play very important role of initiating, maintaining and renewing communication with the BSIOTR alumnus. One of the critical elements of relations is networking. As BSIOTR chart its upward climb rapidly, a strong and healthy relationship with the alumni and the industry helps in providing newer

avenue for growth across various sectors for the students. Placement Committee: At JSPM's BSIOTR Placement activity is run by training and placement officer along with students that is actively guided and supported by the training placement coordinator and the Faculty Council. The student coordinators and training placement coordinators of each department are motivated for developing and nurturing relationships with corporations for both recruitment and non-recruitment related activities. These include actively engaging companies on a regular basis, handling operations during the Placement week and acting as a conduit for Organizations and Industry Leaders to interact with students through Business Talks and sponsored corporate Projects. Department Level students Associations These associations are fully represented by the students guided by a faculty member. These associations take initiative for promotion of activities related to academics, skill enhancement programmes cocurricular and extra-curricular activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association Committee: The alumni association of institute is registered with the charity commissioner office. The executive Committee of the alumni association comprises of present student and alumni as its members. This committee has played very important role of initiating, maintaining and renewing communication with the BSIOTR alumnus. One of the critical elements of relations is networking. Efforts are consistent to have a strong and healthy relationship with the alumni and the industry for collaborative activities like guest lectures, sponsored projects, students and faculty internships etc.

5.4.2 – No. of enrolled Alumni:

152

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

75000

5.4.4 – Meetings/activities organized by Alumni Association :

Meeting and activities: Alumni meet is organized by institute/ Department every year to have interaction on their experience and feedback and suggestions for curricular and co-curricular activities. The executive committee of Alumina meets quarterly to choke out the activities of Alumini Association. 1.IQAC has alumni of the institution as member these members contribute to the improvement of teaching learning process. 2. Invited guest lecture on current developments in competitive global market. 3.Workshops, seminars on recent trends in technology. 4.Assistance in Placement and Counseling 5.Guidence for industrial sponsored project work and visits. 6. Participate faithfully and consistently in Alumni Council meetings and functions.

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)

The JSPM's BSIOTR practices decentralization and participative management by assigning different rights and responsibilities to faculty members' through various designations and committees at institute and departmental level. Institute level Committees and designations with rights and responsibilities assigned to them are listed below. The power to take decisions is decentralized by the management. Governing Body of the institute has framed the guidelines

and directions for the programs, policies and processes. Local Managing Committee (LMC) which is now College Development Committee (CDC) looks after the decision making at the institute level. For effective implementation of plans/activities, various committees are formed and responsibilities are decentralized. Faculty members are involved actively in decision making at different levels. Academic responsibilities are fairly divided among all the faculty members. The management including (Local Management Committee, Internal Quality Assurance Committee, governing body, local management Committee, Board of Directors), Principal and faculty focus on institutional objectives

Practices of decentralization and participative management

1) Decentralization and participative management in development/upgradation of laboratories. The power of up gradation of laboratories in the institute is completely decentralized. The in-charge faculty member of the concerned laboratory having the expertise in that domain is given complete rights to upgrade the existing systems including software/hardware/equipments to create research oriented infrastructure. He is given the free hand to prepare necessary technical quotation with specifications taking into consideration the technical aspects required for conduction of practical as well as research activities. He calls the quotation from the vendors as per the specifications, visits the plant for demonstrations of major equipments, if required. Prepares comparative statement considering all the quotations received from different vendors. He then recommends a vendor considering the cost, quality and service provided by the vendor. The proposal is sent to management through Head of the Department and Head of the institution for approval. Management initiates the process of procurement of the proposed equipments/systems/software/hardware etc after having discussion during the meeting of the purchase committee.

2) Decentralization and participative management in design of curriculum based on University prescribed syllabus. Curriculum design and its implementation is decentralized and it is assigned to the Heads of the department and teachers of the respective departments. Before the commencement of each semester the Head of the respective departments assigns subjects to the faculty members taking into consideration the expertise of the faculty members. Curriculum for different subjects is planned taking into consideration the inputs given by Internal Quality Assurance Cell (IQAC), Academic Monitoring Committee (AMC) and other stakeholders like alumni, students, employers, industrialists. Faculty development program(FDP) is conducted before commencement of the semester in which subject experts, industry experts and faculty members participate to design the teaching and learning material which includes lecture notes, PPTs, video lectures etc.. Based on the curriculum designed with identified gaps, if any, guest lectures, workshops, industrial visits, add-on-courses, etc. are planned. The learning material designed through FDP and individual faculty member is uploaded on Modular Object Oriented Dynamic Learning Environment (MOODLE), wherein any student/faculty can access the study material for reference. Management

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Curriculum development based on the university prescribed syllabus involves the stages as listed below. Stages of curriculum development • Determine and agree the educational or professional context in which the curriculum is to

be developed. • Define the needs of the learners in line with the requirements of stockholders. • Determine the aims and broad learning outcomes of the curriculum. • Agree the broad structure and framework of the curriculum, the main areas of teaching and learning, the sequence of the main topics and the key assessments. • Allocate the detailed development of each topic or course in terms of defining objectives and learning outcomes. • Develop an appropriate and deliverable evaluation strategy. • Review and revise the course in line with feedback.

Teaching and Learning

The institution organizes special induction programme for the entry level students with the motive to familiarize them with the Institute's working policies, rules and regulations. Learning levels of the students are assessed and remedial measures are taken for slow as well as advanced learners to excel their academic performance. Student-centric teaching learning methods such as participative, experiential, self-learning, problem-solving methodologies are carried out for enhancing the learning experiences by adopting ICT facilities, E-Learning resources, MOODLE. Various creative and innovative teaching learning techniques such as the use of MOODLE, OFA, Video Conferencing Lectures, role-plays, debates, group discussions, etc. are opted. Students are constantly motivated to participate in various enrichment programs.

Examination and Evaluation

Internal examination and evaluation is carried out by institution which consists of Internal Class tests Re-test, and Mock Oral/practical examination Assignments MCQs Assignments'/tests through MOODLE External Examination and Evaluation conducted by affiliating university consists of In-semester exam End Semester Exam The evaluation so done is used to measure the outcome of the teaching-learning process. Attainment level of CO-PO-PSO are evaluated.

Research and Development

The laboratories in the institute are upgraded to support the research activities by students and teaching staff. Students are permitted to use the facilities to carry out their projects. The industry sponsored

students projects are being carried out using institute facilities. Faculty members have successfully completed research projects funded by the affiliating university. Efforts are on to enhance the research activities in institution. An incubation innovation and ED Cell is functional in the institute to support the research.

Library, ICT and Physical Infrastructure / Instrumentation

The central library of the institute is well stacked with recommended text books, reference books, CDs. It has the subscription of e-books and journals and Printed journals. In addition library has collection of rare books, manuscripts, special reports and other knowledge resource for library enrichment, accessible to the students and faculty as reference material for enrichment of their knowledge. These rare books include books on competitive exam, Encyclopedia, motivational books, novels, books on health care, politics, history, inventions, research, etc. All class room are ICT enabled with smart boards and LCD projector. In addition video conferencing hall is made available where the lecture delivered by experts at central studio of JSPM group of institutes is telecast for the students. Two language labs are available. Physical infrastructure namely instructional area, amenities area, library, Class rooms, laboratories, sport complex etc are as per the guidelines of AICTE.

Human Resource Management

The human resource in the institutes includes Teaching staff in various department of the institute Technical staff to support the laboratory activities Non-technical staff to perform other activities. Housekeeping personal and maintenance team headed campus director. Human resource management in the institute deals with issues related to employees such as hiring, training, development, compensation, motivation, communication, and administration.

Industry Interaction / Collaboration

Intuition has MoUs signed with core and IT industries for collaborative activities like industrial visits, summer internships, sponsored projects, invited lectures, students training etc. To name a few industry collaboration are Zensor, Barclays, GTT and many more. Training and Placement

	department is establishing a strong collaboration with industries. Core and IT industries have visited for campus drives.
Admission of Students	Admission of students is governed by State CET cell. 80 of sanctioned intake is administered through Central Admission Process and 20 of sanctioned seats are administered by institute adhering to the statutory body's guidelines. The criteria for admission is students must possess 50 in relevant subjects and non-zero score in MHTCET or JEE. The reservations are as per government rules.

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

E-governance area	Details
Planning and Development	MS Office, Tally
Administration	MS Office, Tally, Autolib
Finance and Accounts	MS Office, Tally
Student Admission and Support	DTE, Scholarship Web portal
Examination	Pune University portal

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration

No Data Entered/Not Applicable !!!

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
38	122	95	95

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Various welfare schemes are provided for the benefit of teaching staff in the institution which are as listed below :</p> <p>1.Sabbatical leave, Vacation leave, medical leave, maternity leave, study leave. 2.PF for all teaching faculty and non teaching staff members. 3.Free transport for non-teaching staff and subsidized rate for teaching staff. 4. Free accommodation for non-teaching staff in the campus. 5.Financial assistance to attend FDP, Conferences, Workshops, Seminars in their field of specialization 6.Loans for needy staff from Jayawant Multistate cooperate Bank</p> <p>7.Distribution of 100 of the revenue generated by staff by various activities like testing and consultancy and value-added courses. 8. All the teaching and non-teaching members are covered under accidental insurance which is made mandatory in the institution. 9. Institute has the YOGA club which is coordinated by trained and certified YOGA instructor under which different activities and stress management sessions are organized . 10.The Institute has provided RO Plant for safe drinking</p>	<p>Various welfare schemes are provided for the benefit of non-teaching staff in the institution which are as listed below :</p> <p>1.Sabbatical leave, Vacation leave, medical leave, maternity leave, study leave. 2.PF for all teaching faculty and non teaching staff members. 3.Free transport for non-teaching staff and subsidized rate for teaching staff. 4. Free accommodation for non-teaching staff in the campus. 5.Financial assistance to attend FDP, Conferences, Workshops, Seminars in their field of specialization 6.Loans for needy staff from Jayawant Multistate cooperate Bank</p> <p>7.Distribution of 100 of the revenue generated by staff by various activities like testing and consultancy and value-added courses. 8. All the teaching and non-teaching members are covered under accidental insurance which is made mandatory in the institution. 9. Institute has the YOGA club which is coordinated by trained and certified YOGA instructor under which different activities and stress management sessions are organized . 10.The Institute has provided RO Plant for safe drinking</p>	<p>Student welfare cell, Yoga club, bobby club, Cultural club, indoor out door sports,, well equipped gym, buses, medical check up, Group Insurance, Govt and Management Scholarships schemes, Earn and Learn Scheme,, Book Bank</p>

water in the college premises as well as in girl's hostel. 11.Canteen facilities with proper hygiene.

water in the college premises as well as in girl's hostel. 11.Canteen facilities with proper hygiene.

6.4 – Financial Management and Resource Mobilization

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

The institute has a well-defined mechanism to monitor effective and efficient utilization of available financial resources for the development of the academic processes and infrastructure development. Institutional budget is prepared every year taking into consideration of recurring and non-recurring expenditures. All the major financial decisions are taken by the Institute's Local Managing Committee (LMC) and Governing Body (GB). The institutional mechanisms for internal and external audit The institute has a mechanism for internal and external audit. We have our own internal audit mechanism where internal audit is an ongoing continuous process in addition to the external auditors to verify and certify the entire Income and Expenditure and the Capital Expenditure of the Institute each year. Qualified Internal Auditors from external resources have been permanently appointed and a team of staff under them do a thorough check and verification of all vouchers of the transactions that are carried out in each financial year. Likewise an external audit is also carried out on an elaborate way on quarterly basis. The institutional accounts are audited regularly by both Internal and statutory audits. So far there have been no major findings / objections. Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future. Internal and external financial audits carried out during last five years on 14.09.2019 by P C Patil and Associate, Chartered Accountants, Pune

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
JSPM Management	2018609	Faculty Development and Staff Welfare
No file uploaded.		

6.4.3 – Total corpus fund generated

5569918

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NAAC	Yes	JSPMs-ARQAC - Academic Research and Quality Assessment Cell
Administrative	Yes	NAAC	Yes	JSPMs-ARQAC - Academic Research and

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

Total Six Parent - Teacher Meets were conducted during academic year 2018-19 total 176 parents were attended the meetings and contributed in academic as well as students overall development. Few of their valuable suggestions have been considered and implemented for the growth of organisation and their wards as given below: 1. More industrial visits and field projects should be arranged to get students hand on experience. 2. Teacher must show some videos of current technologies with their implementation. 3. More industries should have Association to increase campus recruitment, training and internships for the students. 4. More sports and cultural activities should be there for students personality development. Institute has conducted all above activities as a part of action on the suggestions and designed curriculum inculcating the ideas of parents for overall growth of the students.

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

6.5.3 Development programmes for support staff (at least three) Sr. No. Programms organised/ No. of Staff Benefited/ Date of conduction 1 Microsoft Certification on One Note /5 /22-12-2018 2 Training for lab asst by Prof. Pallavi Shejwal /4 /19/10/2018 3 Lecture by Dr. Yogesh Angal on INDUSTRY 4.0 /2 /03-12-2019 4 Training for Non Teaching Staff by Prof V R Mohite /40/ 08-12-2018 5 Workshop on "MAHADBT Online Portal Information" /15/ 10-11-2018 6 Training for On MS-Office, Powerpoint /22/ 15/11/2018 7 Training Excel Excel woking /18/ 13/12/2018 8 Seminar "Moral Ethics Values Awareness" /24/ 01-10-2019 9 Seminar Personality communication Skill Development Programme /26/ 14/02/2019 10 Workshop on Software Hardware Latest Technological Development Programme. /22/ 14/03/2019 11 Seminar on Taxsessions Slab Awareness Programme. 2018-19. /5/ 04-11-2019 12 Seminar on 'DTE Admission Process A.R.A.' /21/ 05-09-2019

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

: 1. Formation of cells/bodies with student and staff participation for administrative and academic purposes. 2. Teachers Training Programs ((FDPs). 3. Up gradation of laboratories with modern equipments and necessary software to facilitate research among faculty and students were initiated. 4. Feedback System: 5 . Up gradation of Class Rooms and Seminar Halls with ICT facility. 6. Establishment of Training Centers by Zensor, GTT and Barkeleys. 7. Efforts to establishment of industry sponsored laboratories.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International Womens Day Celebration	03/03/2019	03/03/2019	12	25
Engineers day Celebration & Oath Ceremony: Poster Presentation, Quiz	20/08/2018	20/08/2018	63	18
NSS Special camp donation of labour	30/12/2018	30/12/2018	4	3
International Yoga Day	21/06/2018	21/06/2018	28	46

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

Percentage of power requirement of the University met by the renewable energy sources

Solar panels of 8kw capacity installed at the rooftop of our buildings and connected to main grid to met the supply of the institute. Which will save the 10 percent of energy supplied by MSEB. Sewage water treatment for recycling of water. Maintenance of good greenery in campus. - Proper disposal of e waste. Rain Water Harvesting system. Ban on use of plastics.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	Yes	0
Rest Rooms	Yes	26
Scribes for examination	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	5	23	19/12/2019	60	Corporate social Responsibility	Awareness about carrier	5000

					ity activities for Jr. College Students.	options after twelfth	
2018	1	1	09/07/2019	1	Nirmalwari and Swachata Abhiyan	Environment and Sustainability	112
2018	1	1	01/08/2019	15	Swacha and Swastha Abhiyan P andharwada	Human Values	1190
2019	1	1	12/02/2019	1	Rasta Suraksha Abhiyan	Community Service and Social Responsibility	85
2019	1	1	01/01/2019	1	Sadbhavana Divas	Non Violence and National Integrity	27
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct for Students. Teachers, Governing Body, Principal. Officials and Supporting Staff .Handbook for Human Values and Professional Ethics	26/01/2018	Follow up : Handbooks of code of conduct, Human Values and Professional Ethics for stake holders like teachers, students ,governing body and other officials and supporting staff of the institute are published by the institute. These are published on the institute website for the reference of the stake holders. And the institute has different committees constituted to address the various issues which may arise because of the behavioural aspects of any stake holder. Appropriate actions are initiated in case of the recommended cases by these

committees. Suggestions boxes are placed in the institute at different locations to facilitate any stakeholder to drop in their suggestions/grievances which help the institute to resolve any dispute or address any implementable suggestion.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

<p>reen landscaping with trees and plants: Institute prefers to offer sapling instead of bouquets to the guest visiting the institute. And lush greenery is maintained in the campus with well grown up trees and plants and lawns which are maintained using recycled water. There are total 74 numbers of varieties of trees and plants numbering to a grand total of 4635 in the campus.</p>
<p>Plastic free campus: All canteens and stores in the campus follow the concept of plastic free business by not providing plastic carry bags.</p>
<p>Paperless office: Most of the circular, office orders are issued online and communication with the students and faculty is encourage through email, social media, MOODLE, etc.</p>
<p>Solar Water Heater and Solar Street Lights: Solar water heater are provided in the institute and in the hostel and the solar street lights are also provided for use of renewable energy source thus reducing the use of conventional energy. Paperless office</p>
<p>LED tubes: These are provided to reduce the consumption of electricity</p>
<p>Bicycles: Bicycles are used by few students who are staying in the vicinity of the campus</p>

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

<p>Best Practices No 1 Empowerment of Faculty through FDPs 1. Goal: To enhance professional education and competence. 2. Objectives of the Practice: Enriching the faculty vitality in key domains of teaching, assessing, research, professionalism, and administration 3. The Context: Engineering education aims at providing students with sufficient disciplinary knowledge of science and engineering principles in order for them to become successful engineers. However, to fulfill their roles as professional engineers, students also need to develop personal and interpersonal skills, as well as professional skills, in order to implement and apply their theoretical and technical knowledge in a real context. The FDPs are intended to adress the various student centric effective teaching-learning pedagogy among the participants. These FDPs were aimed to achieve the following objectives 1. To make faculty skilled in latest technologies: A lot of new technologies emerged in the recent past. Percolation of these emerging technologies in to the teaching fraternity through FDPs will help the institution to give a reasonably good exposure to the students. 2. To make teachers integrate more technology onto their teaching: A recent survey</p>

states that more the technology used in teaching more the innovative creative the student becomes. But it is not very easy to integrate technology onto our traditional teaching methodology. And with the emergence of interdisciplinary field like robotics, internet of things automation technologies, it will be extremely difficult to teach them through conventional teaching methodologies. More than the physical change, faculties should have a mental shift to usage of latest technologies in their teaching. Attending faculty development programs will introduce them to a newer way of learning, innovative methodology of teaching and will make them realise the importance of having technology backed learning.

3. To orient faculty to institution's objective vision: Now and then faculties need to refresh their minds by going back to their learning days. Every institution has their own objective vision on innovation, integration of technology, collaboration of minds establishing a centre of excellence. And faculties should be reminded about these more often to make them align and achieve the management goals with a collaborative effort. Attending faculty development programs will provide them a common platform to interact with other faculties higher management officials and collaborate. This will definitely bring a change in their mind-set and approach towards the organizational goals and objectives.

4. To expand faculty roles: A faculty member's contribution is needed more than just teaching and delivering knowledge. They need to contribute towards the innovation and RD happening within their department also to increase the standards. But they need the motivation to take up these roles. The experience that the faculties attending faculty development programs will motivate them to learn new technologies and do more research. With such motivation, faculty members will start taking new responsibilities and assist in activities that are not part of their assigned tasks and contribute more towards the growth.

5. To help faculty find work balance: With the squeezing of academic schedules between lectures, laboratory practical, examinations internal activities, faculties find it very difficult to balance all of them. Faculty development programs provide faculties a chance to interact with the industrial experts who come with a lot of experience. By interacting with the expert they will understand how impactful a person can be, if he/ she works on improving their efficiency. This experience will definitely help them work on their efficiency and do more with their time.

4. The Practice: In-house FDPs by ARQAC of JSPM. FDPs are arranged during vacation for duration 2-10days. In-house faculty and also invited experts conduct the sessions in FDPs. It are free of cost to the participant teaching staff. The FDPs are organized to achieve above mentioned objectives. FDPs include theoretical and hands on sessions wherever required. Faculty members are also deputed to FDPs conducted by other institutes.

5. Evidence of Success: The FDPs of helped the faculty to use different teaching mythologies benefitting the students. Observable evidences of success are, • Improvement in teaching efficiency. • Teaching with different tools/teaching aids. • Adoption of different teaching methodologies. • Improvement in students' performance. • Satisfactory feedback from students on teaching methods.

6. Constraints and limitations: Time is the only constraint and limitations due to tight academic schedule which includes teaching, in-sem exam conducted by university on part of the syllabus, practical/oral examination and then end-sem exams.

Best Practices No 2 Course notes and its Evaluation and Rating Goal: To ensure Teaching-learning process in the institution outcome based. Objectives of the Practice: To achieve ? Course outcomes ? Programm Specific Out comes ? Program outcomes

The Context: Engineering Education is a process involving two sets of participants who supposedly play different roles: teachers who impart knowledge to students, and students who absorb knowledge from teachers. In fact, as every open-minded teacher discovers, education is also about students imparting knowledge to their teachers, by challenging the teachers' assumptions and by asking questions the teachers hadn't previously thought of. The objective of this practice is to ensure required attainment of the following program outcomes a) An ability to apply knowledge of mathematics,

science, and engineering b) An ability to design and conduct experiments, as well as to analyze and interpret data. c) An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability. d) An ability to function on multidisciplinary teams. e) An ability to identify, formulate, and solve engineering problems. f) An understanding of professional and ethical responsibility. g) An ability to communicate effectively. h) The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context. i) A recognition of the need for, and an ability to engage in life-long learning. j) A knowledge of contemporary issues and k) An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. And the course outcomes and programme specific outcomes needs to be attained to a satisfactory level to an extent that the graduating engineers are employable. Here the course notes prepared by the course teacher considering all quality parameters, plays a very important role, to make the teaching-learning process outcome based. The Practice: Course notes of the subject taught by teachers need to be prepared keeping in mind all the quality parameters in mind. While preparing the course notes, the teacher should consider the curriculum gaps identified which need to be addressed at appropriate situations. To ensure that the teachers prepare their course notes considering all quality parameters decided, multi-level verification and evaluation process is carried out by Principal, HOD, module coordinators and member of ARQAC of JSPM. Depth and content of course notes, references made, diagrams drawn, graphs drawn, PPTs, Video, teaching methodologies etc are verified with reference to the pre-decided quality parameters. Suggestions are given for improvement and again the evaluation process is repeated. Based on the extent of quality parameters fulfilled the course notes are rated on the basis of 10 points. The process of verification, evaluation and rating is carried out repeatedly till the required quality parameter is achieved by the staff member. At the end each teacher shall be with an elaborate course notes to deliver the curriculum in an effective manner such as to attain the PO/PSO/COs to a satisfactory level. Evidence of Success: The teachers are delivering the curriculum with the help of teaching tools and methodologies. Good feedback is being received by the students about the teaching of the teacher in the classroom. And this is also reflected in the form of improved internal and external examination results. Constraints and limitations: As such there are no constraints for this practice. However the student's attitude towards their future career matters a lot in implementing this practice to a certain extent.

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

<https://jspmbsiotr.edu.in/pdf/naac/C7/7.2.pdf>

7.3 – Institutional Distinctiveness

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

3-Performance of the institution in one area distinctive to its vision, priority and thrust Out-reach programmes. Though there is no clear-cut definition of what social responsibility is, it can be defined as "the duty of each individual to act for the benefit of the society as a whole" or simply, "the act of giving to the less fortunate". Studies have shown that giving and participating in outreach programs increases the chances of living longer. Why is that? Through giving and volunteering, the act alleviates stress and helps manage stress levels. This also makes the person more socially active, which beats lying on your bed or sitting at your couch the whole day. Not only are there emotional benefits, but the physical benefits are worth the effort.

Relief from chronic pain, freedom from depression, and positive behavior are also associated as benefits of volunteerism and outreach programs. Therefore outreach programs for students are conducted frequently for the students to imbibe in them the sense of responsibility towards the society. These programs are conducted under the banner of NSS and department students associations. The community outreach programmes conducted by students include, ? Visit to orphanage for cleanliness drive, educational activities and serving by providing food/clothes/educational books ? Cleanliness drive in slum areas ? Voter awareness drive ? Child care drive ? Tree plantation drive ? Camping at a village for various activities. ? Blood donation camps

Provide the weblink of the institution

<https://jspmbsiotr.edu.in/pdf/naac/C7/7.3.pdf>

8.Future Plans of Actions for Next Academic Year

As a resolution of IQAC, CDC and GB following future plans have been decided.:

1. To go for NBA Accreditation by 2019-20.
2. In view of enhance Industry Institute Interaction for the overall technical growth of the students more MOUs to be signed. This activity will help to enhance:
 - a. Students employability skills through industrial expert lectures, Seminars, Workshops, Certificate and value added courses.
 - b. Student will get more acquainted with hands on practices through real life sponsored projects, industrial visits and internships.
 - c. To start center of excellence in the institute to develop research culture and consultancy through increase in teachers technical confidence.
 - d. To improve placement of students at higher grade packages.
3. To motivate students to participate in Co- Curricular activities like National and International participation in sports and cultural competitions.
4. To go for patents, more research publication of faculty members at National and International levels.
5. To go for Institutional Autonomy.
6. To start few courses through collaboration with International Universities.