



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	JAYAWANTRAO SAWANT COLLEGE OF ENGINEERING, PUNE.
Name of the head of the Institution	Dr. R. D. Kanphade
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02026970886
Mobile no.	9657508936
Registered Email	jscoe@jspm.edu.in
Alternate Email	principal@jspmjscoe.edu.in
Address	S. No. 58, Handewadi Road, Hadapsar
City/Town	Pune
State/UT	Maharashtra
Pincode	411028

2. Institutional Status

Affiliated / Constituent	Affiliated
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Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. Sachin Todkari
Phone no/Alternate Phone no.	02026970886
Mobile no.	9922135900
Registered Email	jscoe@jspm.edu.in
Alternate Email	sachintodkari@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://jspmjscoe.edu.in/pdf/iqac/AQAR_17-18.pdf
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4. Whether Academic Calendar prepared during the year

Yes

if yes, whether it is uploaded in the institutional website: Weblink :

https://jspmjscoe.edu.in/pdf/iqac/Academic_Calendar_18-19.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.64	2017	30-Oct-2017	29-Oct-2022

6. Date of Establishment of IQAC

01-Feb-2016

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
Curriculum Enrichment Program(CEP)	09-Jun-2018 14	140
Skill Development : Robotics Process Automation Certification	28-Aug-2018 2	345
Skill development program by FACE for Placements	20-Jun-2018 15	356
Project Based Placement Through National level Project Competitions (KPIT,SIH,AICTE-Vishwakarme,Olympiad,Quest Ingenium)	20-Jun-2018 15	250
Academic monitoring system by AMC (Academic Monitoring Committee) for Semester wise Academic Audit	15-Oct-2018 02	50

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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
Dr.V.K.Bhojwani,Mech dept	UGC	SPPU, ISRO	2016 1095	2274000
Information Technology	QIP	SPPU	2018 365	100000
Prof.Malawade Ulhas, Mech dept	BCUD	SPPU	2018 730	194000

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9. Whether composition of

Yes

IQAC as per latest NAAC guidelines:	
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
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	145000
Year	2019
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
1.Skill Development Program to improve in Placements of students. 2. Innovation clubs to provide platform for students to boost creative ideas. 3.Implementation of assessment and evaluation as per OBE system. 4. Academic Audit of each department to monitor quality of teaching learning process. 5 Interactions with Industry to enhance engagement of industry expert in academia.	

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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
1 Training to faculty to use digital technology effectively in regular academics	Forty percent Increase in use of modern digital techniques by all faculties
2 To encourage self learning by facilitating Eresources	Students actively participating in online courses and remarkable improvement in access of MOODLE
3 To Prepare students to face industry challenges and changing technology	Innovation club activities are geared up .TE, BE students implementing project ideas .Won National Level Project Competitions Hackathon, KPIT, Quest ingenium, Sigma Conclave
4 Implementation of assessment and evaluation as per OBE	The learning outcomes are monitored regularly and corrective actions are taken as per requirement
5 To plan Academic audit of each department to monitor quality of teaching and learning	Learning material made available well in advance to students and all activities are carried to achieve stated objectives.
6 To increase involvement of all stakeholders in academic activities	More interaction with industry people, Alumni are contributing to train students, Parents are regularly visiting institute to express their expectations from institute,

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Savitribai Phule Pune University, Pune	15-Oct-2018

15. Whether NAAC/or any other accredited

No

body(s) visited IQAC or interacted with it to assess the functioning ?	
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	05-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>1. ERP : Institute has in house ERP system prepared by faculty members in collaboration with faculties of JSPMs Jayawant Institute of Management known as ESAMANWAY. ESAMANWAY controls different verticals of organisation like faculty, students, alumni etc. Through ESAMANWAY all the data have been recorded and utilized for various purposes. The benefit of ESAMANWAY has been clearly shown as there is more transparency, less time utilized for preparation of report, storage of data which is very much evident in our day today activities. There is always an option of improvement and addition of verticals. ESAMANWAY integrates all the modules and functionalities of the college system, which is handled by administrative head and access by students and faculties with valid user ID and password.</p> <p>2. Moodle LMS optimizes instructional delivery and administration, empowering teachers to devote more time to quality student interaction, research and self improvement. It empowers students to learn better and faster as many academic processes become more efficient. Effective Moodle LMS usage leads to better academic quality, discipline and economy: 1.Continuous availability to students of lectures, instructional content and other study material 2.Reusability and rapid updating of lectures, study material, assessment etc. 3.Streamlined management of timetables, classes, assignments, homework and projects 4.Streamlined</p>

management of assessment, grading, exams 5.Efficient, trackable communication and collaboration 6.Reports, analytics enable rapid corrective measures 7.Substantial savings from reduced expense on stationery, copiers / scanners and even transport and logistical facilities

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. Exp

As institute is affiliated to Savitribai Phule Pune University (SPPU) and syllabus provided by the University. In order to attain vision, Policy and Objectives of the institute, institute has policy to rest: every year to adopt technological changes and industry needs. At the academic year DAB meeting is called where all representative participi ideas to strengthen the curriculum. The input from IQAC and inte: stakeholders in taken into consideration .Initially curriculum gap a identified with the help of module and course coordinator. To ful: activities are planned and discussed in DAB meeting. Curriculum Enri arranged at JSPM level before commencement of each semester, whe coordinators participate. All course coordinators prepare the course (course objectives and course outcomes. The quality of course conten approved by module coordinator and are uploaded on the MOODLE and us course delivery and engage student effectively further. Additional res: important web links and research paper links are also provided to enh: For effective deployment of curriculum and activities, Principal addre at the start of semester .Various strategies are planned to integra modern technology so that teaching learning process will be enrich academic schedule is prepared in line with university academic calenc Curricular, co-curricular, extracurricular activities like VC Lectu visits, workshop, seminars, training programs etc. Further each dep Department Academic calendar which incorporates all details and activ: levels e.g. Parents Meet, Unit Test Schedule(online and written), GFM Seminars, Expert lectures, Industrial visits . Students are made awa: process at the beginning of the semester so that they can plan their l Attainment analysis is carried out by the course coordinator and PAC m are further analysed by DAB and IQAC, which in turn suggest an impr redefine the curriculum development and deployment proc

1.1.2 - Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneursh
No Data Entered/Not Applicable !!!				

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Date
No Data Entered/Not Applicable !!!		

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1.2.2 - Programmes in which Choice Based Credit System (CBCS)/Elective course system implement Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of System
BE	Computer	18/06/
BE	Electrical	18/06/
BE	E & TC	18/06/
BE	Information Tachnology	18/06/
BE	Mechanical	11/06/
ME	Computer	20/08/
ME	MECH (Design engineering)	20/08/
ME	EnTC (Digital System)	20/08/
MCA	MCA	01/07/
MBA	MBA	01/07/

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

	Certificate	Dip
Number of Students	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	Num
Zensar (SQL, Adv Java)	04/06/2018	
Android Workshop	08/07/2018	
PLC SCADA Automation	08/08/2018	
Different types of cabling by Ravin cable limited	22/02/2019	
Introduction to AI (IEEE Sponsored Workshop)	22/03/2019	
Workshop on PLC and Automation	12/02/2019	
3D printing Technology	22/09/2018	
Modelling software CREO	05/02/2018	
FACE campus placement training	04/06/2018	

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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
BE	Computer Engineering	42
BE	E &TC	105
BE	Electrical	17
BE	Mechanical	40
BE	IT	8
MCA	Android and python	16

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1.4 - Feedback System

1.4.1 - Whether structured feedback received from all the stakeholders.

Students	
Teachers	
Employers	
Alumni	
Parents	

1.4.2 - How the feedback obtained is being analyzed and utilized for overall development of the institute (in words)

Feedback Obtained

Institute has strong mechanism to collect feedback from all stakeholders on various occasions in formal and informal ways. These feedbacks are analysed and used for the overall growth of institute. Each Department collects feedback from all students. The feedback is collected twice in a semester. The structure to the student where they express their opinion and rating about overall feedback form covers the questionnaire about faculty performance, teaching process and infrastructure facilities. These feedbacks are conveyed to the faculty for improvement. Informal feedback is taken by principal and campus direct visit to the department. These feedbacks are analysed at department level analysis committee and send to department academic monitoring committee of feedback and prepare a report on important issues raised by students associated with Faculty performance and teaching learning is reviewed by faculty members and appropriate counselling is provided to the faculty if performance is below the expected level. The faculty who receives excellent feedback by HOD and Principal. To improve teaching learning process the action plan is implemented during the due course. The report is send to IQAC for measures. Feedback on student's performance is collected by Guardian Faculty and class coordinators.. In addition to this suggestion box is kept in the campus where students drop their suggestions on administrative and infrastructure. The valuable suggestions are taken into consideration and appropriate actions are implemented. The institute collects feedback from graduates on different aspects like academics like infrastructure, assessment methods, curricular activities and so forth. Feedback from alumnus is taken during alumni meeting. Feedback from parents is collected during departmental parents meeting. Suggestions are discussed in HOD meetings and corrective actions are initiated for improvement.

academic culture. Feedback is also collected from companies (who recruit campus placements). Annual HR meet also serves as a platform where feedback from the industry. This feedback is discussed in meetings of Training cell and shortcomings are addressed.

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 Applicants received
BE	Computer Engineering	120	134
BE	Electrical Engineering	60	60
BE	Electronics and telecommunication	120	110
BE	Information Technology	60	60
BE	Mechanical Engineering	180	150
MCA	Master of Computer Application	60	55
MBA	Master of Business Administration	60	75

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2.2 - Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in institution teaching other courses
2018	1999	321	109	22

2.3 - Teaching - Learning Process

2.3.1 - Percentage of teachers using ICT for effective teaching with Learning Management Systems 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
146	125	10	29	6

[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)

The institute has Strong Academic mentoring scheme in place. Each faculty acts as a mentor. A block is allocated to each faculty in an academic year. Mentor keeps all record of the allocated students to know the socio-economical background of the students. The record consists of personal information, academic progress in curricular and co-curricular activities. The students interact with the faculty at least once a month. In case of a medical problem or absentee, student communicate to his/her mentor. The Faculty even monitors the student and if found frequent absentee, the reasons are found out and proper counselling is provided to the student. The progress and observations are conveyed through telephonic conversation, SMS, email and personal meeting with the students regularly in order to resolve issues if any. The purpose of weekly meeting is to develop trust with students the faculty also discuss academic progress of all mentees and issues related to them personally to help students on all fronts, these meetings are proving very beneficial to students. The faculty is to encourage students to attend the classes regularly and stay focused to achieve the institute's goals. The Institute has also appointed professional counselor to address the personal, psycho-social and academic issues of students.

Number of students enrolled in the institution	Number of fulltime teachers
2320	146

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
139	146	0	8

2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at 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 recognized bodies
2018	Dr. Aarti Dandavate	Professor	BOS Member Goa State U
2018	Dr. D.S.Waghole	Assistant Professor	Best young faculty award International Research
2018	Dr. D.S.Waghole	Assistant Professor	International Best Researcher
2018	Prof. A.Y.Syed	Assistant Professor	Best Researchers Award in Data 26th Feb 2019 By "RULA Awards " Research Council and United
2018	Dr. Priya Nitin Gokhale	Professor	Best paper award
2018	Dr. Pradeep Patil	Professor	BOS member, SPPU, I
2018	Dr. Virendra Bhojwani	Professor	Reviewer, International Journal
2018	Prof. A.Y.Syed, Prof. Nikhil Kumar	Assistant Professor	Patent: One Touch Multitasking System using Biometric Authentication Number : 201821006
2018	Prof. A.Y.Syed	Assistant Professor	Patent : Smart System for cost Aggregation of Private hospital

learning approach Patent Numb
Published on : June

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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 c

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination
BE	614524510 (Computer Engineering)	SemesterII, IV,VI, VIII	27/05/2019
BE	614537210 (Electronics and telecommunication)	SemesterII, IV,VI, VIII	27/05/2019
BE	614529310 (Electrical Engineering)	SemesterII, IV,VI, VIII	27/05/2019
BE	614524610 (Information Technology)	SemesterII, IV,VI, VIII	27/05/2019
BE	614561210 (Mechanical Engineering)	SemesterII, IV,VI, VIII	27/05/2019
MBA	614510110 (Master of Business Administration)	SemesterII	15/05/2019
MCA	614524110 (Master of Computer Application)	SemesterII	15/05/2019

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2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (25

The institute strictly follows all major reforms initiated by SPPU. It takes care of all the examinations and evaluations as per university system has introduced- In semester, End Semester examinations [for TE and BE examinations, End Semester examinations [for FE and SE students], End semester examinations [for SE, TE, and BE students]. The credit system is followed for the evaluation of UG and PG program. Continuous Internal Apart from SPPU (Savitribai Phule University of Pune) examination, the department to conduct unit wise test. Taking that practice forward, schedule internal tests and prepare assignments to aware student with examination. As institute has adopted OBE, all internal assessment activities are mapped with course outcome ,program outcome and PS evaluation of student, following tools are used • Tutorials • Mock P online examination • Unit wise test and assignment • Quizzes The institute helps the teacher to know the performance of the students and attainment course. The achievement of course outcomes is evaluated by direct method assignments and seminars. The course teacher gauges the attainment o

which in turn contribute to the attainment of program outcomes. If over not good then corrective actions are taken to improvise it in next evaluation of laboratory assignment is done and performance is monitored on a regular basis. Seminar/assignment/mini projects are conducted for each course. Student participation in co-curricular activities like seminar, paper projects, case study solving helps the teacher to reach on conclusions. Students have got proficiency in applying mathematical and engineering concepts in real time application or system under engineering consideration. Effectiveness is analysed during seminar and presentation assures on the fulfilment of objectives and outcomes. The academic progress is closely monitored by GFM and is reported regularly.

2.5.3 - Academic calendar prepared and adhered for conduct of Examination and other related matters

Institution adheres to the academic calendar prescribed by the University. At the commencement of semester, conducting university exams and all external processes. Academic dean prepares the institute academic calendar by referring to the academic calendar provided by SPPU. The calendar is prepared for both UG and PG separately before the commencement of academics and communicate the same to the respective department. The departmental academic calendar is prepared by the respective departmental Coordinators which is in line with the institute calendar. All calendar details are posted on the institute website for ready reference to all. The dates of exam, mid-term, submission, sport, industrial visit, gathering, festival holidays and other activities are taken into consideration to finalize department calendar. Sometimes, activities are postponed due to some practical problems, these activities are planned in alternate slots or arranging extra session on Saturdays.

2.6 - Student Performance and Learning Outcomes

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

<https://jspmjscoe.edu.in/pdf/iqac/CO%20PO%20PSO.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
614524510	BE	Computer Engineering	116	116
614537210	BE	Electrical Engineering	64	58
614529310	BE	Electronics and telecommunication	95	82
614524610	BE	Information Technology	68	60
614561210	BE	Mechanical Engineering	199	168
614524110	MCA	Master of Computer Application	16	9
614510110	MBA	Master of Business Administration	44	38

Business Administration

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2.7 - Student Satisfaction Survey

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

<https://jspmjscoe.edu.in/pdf/iqac/Student%20Satisfaction%20S>

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 sanctioned
Major Projects	365	ASHRAE	3
Industry sponsored Projects	365	KPIT	
Students Research Projects (Other than compulsory by the University)	365	JSPM	0
Industry sponsored Projects	730	Techno Embedded Private Limited Pune	

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3.2 - Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.
Intellectual Property Right	Comp and IT
Copy right	EnTC and Electrical
Intellectual Property Right	MBA
Patent Filing	Mechanical

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	Year
Best young faculty award (National)	Dr.Dattatray Waghole	DK International Research foundation	28/
International Best Researchers Award in Data Science awarded in 26th Feb 2019 By "RULA	Dr.Dattatray Waghole	IACRD, USA	28/

Awards " powered by " World Research			
Best Researchers Award	A. Y. Syed	"RULA Awards " powered by " World Research	26,
Smart Gas Alert System using IOT	Madhuli Suvarnkar, Dimple Shimpi, Nivedita Shelake, Dr. Dattatray Waghole	AICTE, Delhi	23,
Most popular project Award	Prasanna Agnihotri, Hrishikesh Sagre, Jay Gaikwad, Aakash Surve, Manthan Shirsath	KPIT 2019	24,
Chhatra Vishwakarma Award	JSCOE	AICTE, Delhi	23,
Auto India Racing Champion	Shrikant Bale, Sakib Kazi,	SAE, India	24,
E Vehical	Prasanna Agnihotri, Hrishikesh Sagre, Jay Gaikwad, Aakash Surve, Manthan Shirsath	Indian engineering Project Competition Delhi	30,

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up
JSCOE, Comp	Innovation Practices	JSPM	ORBIT-4	Software, Hardw

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3.3 - Research Publications and Awards

3.3.1 - Incentive to the teachers who receive recognition/awards

State	National	Internati
5000	10000	15000

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

Name of the Department	Number c
Electronics and telecommunication	

Mechanical**MBA****3.3.3 - Research Publications in the Journals notified on UGC website during the year**

Type	Department	Number of Publication	Average Im
International	Comp Engg	21	
International	Electrical	3	
International	EnTC	7	
International	IT	1	
International	Mechanical	32	
International	MCA	1	

[View File](#)**3.3.4 - Books and Chapters in edited Volumes / Books published, and papers in National/International per Teacher during the year**

Department	Number of Publication
Computer	14
Mechanical	4
EnTC	5
IT	2
Electrical	2

[View File](#)**3.3.5 - Bibliometrics of the publications during the last Academic year based on average citation in Science or PubMed/ Indian Citation Index**

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional a mentioned in th
Smart Ambulance using IoT	Dr.D.S.Waghole	IEEE BID,2018	2018	3	JSPM. J
Performance analysis of QoS Against packet size in WSN	Dr.D.S.Waghole	Springer	2018	0	JSPM. J
Automated generation of test cases	V.V. Kondhalkar	JARDCB	2018	0	KLE

for conducting pairwise plus testing					
A critical review on automated test case generation for conducting combinatorial testing using Practice Swarm optimization	V.V. Kondhalkar	Scopus indexed	2018	1	KLE
A framework For decision making and quality improvement by data aggregation techniques on private hospitals data	Syed Ahmed Yasin	ARPN journal of Engineering and Applied sciences (Scopus indexed)	2018	0	KLE
Analysis of Single and hybrid data mining Techniques for prediction of heart disease using real time data set	Syed Ahmed Yasin	International Journal of Engineering and Technology	2018	0	KLE
Data loss prevention scheme using ADCN with effective tour strategy in wireless sensor network	Dr. Todkari Sachin Vishwanath	Advances in Intelligent Systems and Computing 2018	2018	0	KalingaUn
SIFT: A comprehensive Survey	Prof. Patil Jyoti Sudhakar	International Journal of	2018	0	KLE

		Ambient Energy			
40 K single-stage split-type Stirling cryocooler	Fayaz H. Kharadi	International Journal of Ambient Energy ISSN Online No. 2162-8246	2018	0	Satyabhama I: Scienc Technology
Performance analysis of Gland for Development of hydro test SPM	M.C.Shinde	Journal of Emerging Technologies and Innovative Research ISSN No. 2349-5162	2018	0	Jayawantra Collee EngineeringSI

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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
Speaker identification of whispering speech: an investigation on selected timbrel features and KNN distance measures	Prof. V. M. sardar	Asian research Publishing Network	2018	2
Speaker identification of whispering speech: an investigation on selected timbrel features and KNN distance measures	Prof. V. M. sardar	International Journal of Speech Technology	2018	2

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

Number of Faculty	International	Nation
Presented papers	15	1
Resource persons	6	3
Attended/Seminars/Workshops	8	2

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3.4 - Extension Activities

3.4.1 - Number of extension and outreach programmes conducted in collaboration with industry, cc 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
Pranayam Rahsya by N.K. Lokhande (Under NSS Department Level Activity)	JSCOE	4
NSS Special Camp at Belsar	SPPU	2
Blood Donation Camp by NSS with Mallikarjun Blood Bank	Mallikarjun Blood bank, PSI blood bank	3
Traffic Duty by NSS with Wanowrie Police station	Traffic Police	2
Kerala Flood Relief Fund by NSS with SPPU	Smile foundation	4
Tree plantation by NSS	Rotary club, SPPU, Forest department	5
Cybercrime awareness	Police department	4
Palkhi	SPPU	2

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3.4.2 - Awards and recognition received for extension activities from Government and other recogn

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

No file uploaded.

3.4.3 - Students participating in extension activities with Government Organisations, Non-Governm programmes such as Swacch 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 activites	par
Swaccha Bharat	MHRD	Clean campus	5	
Gender Issue	NGO	Beti Bachavo	3	
AIDS Awareness	NGO	AIDS Awareness Rally	4	
Environment Awareness	Rotary Club	Ban Plastic	2	

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3.5 - Collaborations

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

Nature of activity	Participant	Source of fin
Workshop	20	IP
Project club activity-Potential and flash club	118	J:

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From
Project Sponsorship	IP lab	IP lab	07/08/2018
Internship	Internship	Counsel Neowatt	04/06/2019
Internship	Internship	Kanchan Telecomm.	17/12/2018
Internship	Internship	BCORE Renewable Energy Private Ltd	16/03/2019
Internship	Internship	TIFR OOTY	15/03/2019
Industry	Internship	AUTO CLUSTER DEVELOPMENT AND RESEARCH INSTITUTE, PIMPRI CHICHWAD, PUNE.	24/12/2018
Industry	Internship	TATA MOTORS	21/01/2019
Industry	Internship	HITECH ENGINEERING SOLUTIONS	25/12/2018
Industry	Internship	KSB PUMPS LTD., PUNE	03/06/2019
Industry	Internship	BILT GRAPHIC PAPER PRODUCTS LTD., PUNE	06/06/2019

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3.5.3 - MoUs signed with institutions of national, international importance, other universities, indu etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Numbe part
Reliance Jio	07/03/2018	Training	
Meraki Computer Training Centre.	26/09/2018	Training	
Qspider	20/08/2018	Technical Training	
Kirloskar Engg	05/07/2018	Projects	
Shri Gajanan Industries MouldsUttejana Technology	05/03/2019	Placement	
HOG Engineering	10/08/2018	Internship	
Chetana Capacitors	10/07/2018	Project	
Ravin Cables Pvt.Ltd.Mumbai	20/07/2018	Training	

Zensar ESD	10/07/2018	Training for skill development	
Focus Academy for career enhancement	04/06/2018	Training for Aptitude	

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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 infrastr
26	25

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities
Campus Area
Class rooms
Seminar halls with ICT facilities
Classrooms with LCD facilities
Laboratories
Seminar Halls
Classrooms with Wi-Fi OR LAN
Number of important equipments purchased (Greater than 1-0 lakh) during the current year

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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
AUTOLIB	Fully	1.0.0

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		
Text Books	26336	8104000	2128	534000	2
Reference Books	2146	1478000	45	79000	
e-Books	27030	150000	0	28000	2
Journals	91	242000	20	82000	
e-Journals	6852	1066000	0	48000	
CD & Video	1774	0	13	0	

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4.2.3 - E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning M etc

Name of the Teacher	Name of the Module	Platform which developed
Prof. S.B.Chaudhari	OOP	Institutional MOODI
Prof.M.M.Bhajibhakare	Discrete Mathematics	Institutional MOODI
Prof. Chittaranjan Mane	Thermodynamics	Institutional MOODI
Prof.Nitin Nikhare	Strength of Materials	Institutional MOODI
Prof.D.R.Patil	Theory of computation	Institutional MOODI
Dr.C.A.Manjare	ESD	Institutional MOODI
Prof. Patil Jyoti Sudhakar	Rural Technologies community Development (RTCD)	Institutional MOODI
Dr. Lambhate Poonam Dayanand	Information Storage Retrieval (Information Storage Retrieval (ISR)	Institutional MOODI
Prof. Gupta Aruna Kailashnath	Cloud Computing CC	Institutional MOODI
Prof. Ayachit Sumedha Umakant	Foundation of Computer and Communication Networks (FCCN), Design and analysis of algorithms (DAA)	Institutional MOODI

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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
Existing	720	660	540	0	60	20	8
Added	0	0	10	0	0	0	0
Total	720	660	550	0	60	20	8

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

74 MBPS/ GBPS

4.3.3 - Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media cent
E content facility	http://117.206.159.20/jscoe/course

4.4 - Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Exp mainten
55	53	83	

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

The institution has well established procedures for maintaining and u academic and support facilities - laboratory, library, sports, compute. A separate Maintenance department is available in campus to look aft various facilities and infrastructure . The Campus Supervisor looks a civil maintenance and upkeep of civil infrastructure. b) Maintenance (garden c) General cleanliness of campus through separate House B d)Electrical,carpentry,plumbing works All maintenance staff is on t institute, duly supervised by supervisors and guided and monitored by Policies of Academic and Support Facilities: Classroom and Laboratory maintenance: 1.Each department maintain classroom and laboratory. I classrooms are allotted for theory and Practical session as per ti maintenance of computer laboratories are taken care by lab In-char administrators take care of the repairs and maintenance of all compute. 3.As a precautionary measure laboratory- in- charge, along with labo ensures inspection and proper working of all equipment at the beginnin 4. Dead Stock register is maintained and updated for each lab 4. Stoc inspection has to be carried out by central committee at the end of e Utilization and Maintenance of Library: 1. Every department prepare req as per curriculum requirement and send it to library for further proce are instructed to apply for library card to access the library and al books in a week. If book is not returned in time, nominal fine is c faculty can borrows 10 books for each semester. 4. All activities a automated library software.

<https://jspmjscoe.edu.in/pdf/iqac/Procedures%20and%20policies.pdf>

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Scholarships and Financial Support

	Name/Title of the scheme
Financial Support from	Freeship

institution	
Financial Support from Other Sources	
a) National	Govt of MH/India PostMatric Scholarship (SC Scholarship)All Government Schemes for category student PostMatric Tuition Fee and Examination Fee (SC Freeship)PostMatric Tuition Fee and Examination Fee (S Freeship) , Post Matric Scholarship Scheme
b) International	0

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5.1.2 - Number of capability enhancement and development schemes such as Soft skill development Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	A
Soft skill development	02/07/2018	300	
Employability Skill development	15/06/2018	250	
Yoga, Meditation	24/09/2018	50	UTI Depa
Remedial sessions for SE TE Critical Backlog Students	08/10/2018	50	
Language Lab	10/09/2018	60	
Personal Counselling and Mentoring	18/06/2018	235	
Python	28/12/2018	45	
Android	15/08/2018	30	I

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5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered 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 competitive
2018	Institute Social Responsibility Cell	106	106	
2018	Training and Placement	90	20	
2019	Career Counselling	0	50	

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

Total grievances received	Number of grievances redressed	Avg. number of days for redressal
25	25	1

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 organization visited
Amazon, Next Path, Daniel Associates, Brainstorm, Eleation, Excelsior Research, Hudl, Mphasis, Piaggio, Qspider, SGI, Systool, Technogrowth, Global Step Services, Zensar, Zensar ESD, GTT Barclays, Haier, Axiom Tech Guru, Flash Electronics, TCS Digital, Wi	580	529	Ethernus, Macile Tech, Reva Software, 3D PLM Musafir.com, Angular Minds, Pubmatic Pvt, FACE, VDA Infosolution Pvt Ltd, Virtusa, Knoldus, Bitwise Virtul Simutech

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined
2018	1	BE	EnTC	P.V.Gs Late G.K. Pate Institute of Management
2018	2	BE	EnTC	MIT Loni
2018	3	BE	EnTC	SRH University Heidelberg
2018	1	BE	Computer	Sinhgad Institutes
2018	1	BE	Computer	VIT, Vellore
2018	1	BE	Computer	JSPM
2018	1	BE	IT	MIT World Peace University, Pune
2018	8	BE	Mechanical	MIT, Pune, University Dayton (USA)

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

Items	Number of students selected/ qualifying
GATE	3
GRE	2

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

Activity	Level	Number of students
Antarnad	institute	18
Annual Sports	institute	60

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5.3 - Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number
2018	Third Prize	National	1	0	4230,2224,4106
2018	First Prize	National	1	0	4230,2224,4106
2018	Second Prize	National	1	0	4274
2018	Third Prize	National	1	0	4274
2018	Second Prize	National	1	0	4377
2018	Winner	National	1	0	4230,2224,4106

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5.3.2 - Activity of Student Council & representation of students on academic & administrative bodies at the institution (maximum 500 words)

Student Council. Institute has a student council formed as per the guidelines of Savitribai Phule Pune University (University act 1994) which is headed by a secretary. Student council representatives are selected from each department and provides platform to the student to participate in administrative work. The student council is:

- To organize the institute level annual cultural celebration of National days like Independence day, Republic day etc. to create awareness of nationalism and tribute to the nation.
- To organize blood donation drive, plantation, free eye check-up, road safety show, NSS camp etc. to increase awareness.
- To publish institute magazine.
- Student council provide procedural support to organize all events at institute level and also provide wide publicity to all events in the neighbouring institutes.

Student council at department level:

- Each department constitutes student association by electing representatives from all classes. The representatives are selected from the students. Further it helps them to enhance leadership qualities and decision making skills. These association actively organise various events at department level like Engineers Day, Science day etc., to keep friendly and energetic environment.

Student's associations at department level:

- CESA (Computer Engineering Student's Association)
- MESA (Mechanical Engineering Student's Association)
- EESA (Electrical Engineering Student's Association)
- ITSA (Information Technology Student's Association)

Student representatives are in almost all academic and administrative bodies such as departmental associations, Student council, Anti Ragging Cell, Grievance Cell, Placement and Career Guidance Cell, NSS, Gymkhana Cell, Discipline committee, IQAC, R D, III, Student welfare etc. Academic Student Bodies are a part of Departmental Advisory Board and Focus Group. With the help of these bodies, student can place their feedback related to teaching-learning process, identification in the syllabus, feedback about academics and infrastructure. Professional student bodies ISTE students" chapter, CSI students" chapter, Department Associations these are the few bodies in which student representative. Under various activities, students organize different TDCS, seminars or guest lecture for other students. Students social clubs like these, there is one student representative on various institute committees like Discipline committee, NSS (National Service Scheme), Cultural committee, Ladies Anti-ragging committee. Student representative participate in meetings and provide suggestions during discussions.

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

Yes

The institute has a registered Alumni association. The Alumni association works actively for the welfare of the institute. The institute website also communicates with alumni. Activities: Alumni meet is organized once in a year for maintaining harmony among the alumni and the institute. Alumni are invited to attend events in the institute to witness the progress and also to share their experiences. Contributions: The contributions of the Alumni Association for the institute are as follows:

1. Many alumni assist the students of the Institute in various academic activities like guest lectures, motivating the students by sharing their practical knowledge.
2. They meet and provide a common platform for exchange of ideas and disseminating information in various professional areas.
3. They assist the students of the institute to pursue higher education.

4. Few alumni extended assistance and cooperation to the Institute in its growth and development of institute. 5. Alumni association has provided consultancies to extend infrastructural development of institute. Representation of alumni in various academic committees provides valuable curriculum enrichment and student development.

5.4.2 - No. of enrolled Alumni:

350

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

185000

5.4.4 - Meetings/activities organized by Alumni Association :

Annually two meetings of Alumni members were conducted. 15/7/2018, 15/7/2019, 15/7/2020. Alumni of institute are helping juniors in various academic activities by sharing their ideas and experience during alumni meet. The Alumni association contributes to the welfare of the institute. The institute website also has provisions for interaction with alumni. They assist the students of institute to pursue higher studies. Alumni provided extended assistance and cooperation to the Institute in its endeavours for the development of institute. 2. Alumni association provided the donation of books to Central Library.

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.

There are many practices of decentralization and participative management at the Institute level. Principal is the member secretary of the governing body of the IQAC. Principal is also head of academic and administrative affairs. Faculty members are given autonomy to plan academic activities and participate at various levels in the decision-making system. The Principal in consultation with HOD nominates different committees for the planning and implementation of different academic, student administrative and other policies. Faculty members are given representation in various committees by the Principal. Faculties are members of different academic committees like IQAC, industry institute interaction, entrepreneurship cell, counselling committee. These committees play a vital role in the planning and implementation of activities in different spheres to fulfill the institute mission. The Principal provides support provided to Faculty members for managing and contributing in all academic and administrative operational flow of academic functions is IQAC - DAB - FG - PAC. The structure reaches to the module coordinator and faculty. This structure helps faculty to adopt their own teaching learning methodology. The participative management encourages members of institute to participate actively in decision making process for allocated task. It also contributes to achieve goals and objectives.

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

Yes

6.2 - Strategy Development and Deployment

6.2.1 - Quality improvement strategies adopted by the institution for each of the following (with in

Strategy Type	Details
Human Resource Management	<p>- The institution has well defined HR policies. Main roster, Service Registers Personal files of staff. This faculty leave record, attendance record pay scale record, medical facility record. - The institute has well established for appointment, appraisal and promotion of staff and these are effectively implemented. - Appropriate support provided to staff to perform more effectively. Main faculties and supporting staff are encouraged to go through programs to update the skills for career enhancement.</p>
Industry Interaction / Collaboration	<p>- Formation of I-I-I cell at department level - Conducive Collaboration with ICT Academy, Co Cubes, AMACT, FAI visits - 10 Projects are industry sponsored - Research collaboration with industry</p>
Admission of Students	<p>- Free facilitation centre is run during admission process provided to Parents Students through digital media (process)</p>
Curriculum Development	<p>- The aims and objectives of Curriculum are and known to students - Curricula accurately aligned with vision objectives of the institute. - Curriculum provide an array of course content, conceptual skills and personal, transferable Curriculum is periodically reviewed to assess suitability of program outcome. - There is an established mechanism from industry, professional agencies, alumni and other to meet the requirement of students. Institute conduct Curriculum Program (CEP) before commencement of every semester with plan and develop the course material which is uploaded (Learning Management System), these content available for reference purpose.</p>
Teaching and Learning	<p>- The conducive environment is created to make teaching efficient. Adequate and well qualified faculties implemented. - Teaching and learning are based on curriculum mapped with program outcomes. - Innovative teaching method use of available facilities, equipment, materials and Assessments, LMS, Smart Class rooms - Remedial lectures for students after regular academics - E-books, e-Journals, notes, video lectures is made available online for each lectures through virtual classroom - Mini Project based lab sessions - Industrial visits to get the real-time industry model.</p>
Examination and Evaluation	<p>As Institute has adopted OBE system, attainment of CO through different assessment tools. To assess the performance systematic approach to conduct assessment and evaluation assessment :It includes Unit wise assignments, inter-discussion. Attendance of theory and practical sessions monitored by faculty members. - Seminars/Presentation assess presentation/communication as well as technical skills of students - Term work marks are allocated based on performance throughout the semester - Mock theory and practical's</p>

	conducted periodically. - Online Examinations and examinations are conducted. The overall performance is direct and indirect assessment tools and final program calculated.
Research and Development	- Regular programs are conducted for enhance the research. Students research clubs are formed to develop innovative. Research lab made available to the students for experiments. holidays as per need - Plagiarism checking cell is formed. papers before submission for publications in Conferences. Regular IPR sessions are conducted by research community students. Research projects from ISRO, DST
Library, ICT and Physical Infrastructure / Instrumentation	- Barcode / RF Enabled Circulation and Surveillance - OPAC facility is made available - AutoLib software facility group members can easily access the e-resources. library information all over the campus - e-books, available online through MOODLE (LMS)

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

E-governance area	Details
Administration	1. ERP Institute has in house ERP system prepared by faculty collaboration with faculties of JSPMs Jayawant Institute known as ESAMANWAY. ESAMANWAY controls different verticals like faculty, students, alumni etc. Through ESAMANWAY data has been recorded and utilized for various purposes. The benefits has been clearly shown as there is more transparency, ease for preparation of report, storage of data which is very useful for our day today activities. There is always an option of addition of verticals. ESAMANWAY integrates all the functionalities of the college system, which is handled centrally head and access by students and faculties with valid user

6.3 - Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body which membership fee
2018	Prof. Darshana Patil	Syllabus revision	SPPU
2018	Prof. Swati Patil	ICETSET Conference	ICETSET, PC
2018	Prof. Phadkule Suneeta	Latest trends in RSE	ISHRAI - P
2018	Dr. Dattatray Waghole	AI application workshop	IEEE branch VIT Section
2018	Prof. Suhas Shinde	Research Methodology	RSCOE

2018	Prof. A. Y. Syed	ICT Workshop	Dell EM
2018	Prof Khedekar Vilas	ICT Workshop	Dell EM
2019	Dr. Salunke Dharmraj Bhimrao	ICASETMP-2019	SPPU
2019	Prof. Mote Tushar Suresh	ICKDST-19	SPPU
2019	Dr. Priya Gokhale	ICKDST-19	IEEE, BCU

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6.3.2 - Number of professional development / administrative training programmes organized by the 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
2018	FDP on "Teaching learning Resources"	-	10/12/2018	17/12/2018
2018	Administrative Training to HOD	-	02/12/2018	05/12/2018
2018	-	Skill enhancement:MSoffice	05/04/2018	06/04/2018
2018	Effective use of ICT tools and E-content Development	-	10/08/2018	10/08/2018

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

Title of the professional development programme	Number of teachers who attended	From Date
Curriculum Enrichment Program 2018-19 Sem-1	120	09/06/201
Curriculum Enrichment Program 2018-19 Sem-2	115	10/12/201
FDP on Research Methodology and Data Analysis	7	28/09/201
Faculty development program on python	50	28/12/201
Faculty Orientation workshop on BE (ETC) revised syllabus 2015 courses	10	10/07/201
Introduction to IOT, NPTEL	1	02/07/201

[View File](#)**6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):**

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Part-time
146	146	119	

6.3.5 - Welfare schemes for

Teaching	Non-teaching	
.Effective welfare measures policies are implemented for staff like PF facility, employee group insurance, financial support to attend seminar/FDP/PhD research work, subsidised bus facility. The performance appraisal of staff is done annually.	Loan through JMCC bank, support for loans from financial institutions.accommodation for non-teaching staff etc. The college has organised Seminar/workshop/FDP/Orientation program etc. for training of non teaching staff.Subsidised bus facility is also provided	Insurance, Travel to participate competition, Financially bank

6.4 - Financial Management and Resource Mobilization**6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each)**

Institute has accounts and finance department to take care of efficient funds for each academic year. The college has a well formulated financial ensures effective and optimal utilization of finances for academic, development purposes. Towards this end, every year, the budget is prepared in advance after taking into consideration the requirements of every with the strategic objectives of the institution. The budget is reviewed management and approved after necessary changes. As and when requirement makes a provision for advance/additional funds. The Management app: expenditure, scrutinizes the balance sheet and provides feedback for : of financial resources. Financial audits are conducted by a certified financial year to verify the compliance with established financial

6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthrop covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grants received in Rs.	
JSPM Management	700000	Cultural

[View File](#)**6.4.3 - Total corpus fund generated**

6750000

6.5 - Internal Quality Assurance System**6.5.1 - Whether Academic and Administrative Audit (AAA) has been done?**

Audit Type	External	
	Yes/No	Agency
Academic	Yes	JSPM Academic and Administrative Audit Agency
Administrative	Yes	JSPM Academic and Administrative Audit Agency

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

Many parents are part of various committees of the institute. They are involved in various decision making process for overall growth of institute. With their support T and P department to improve placement ratio. Some parents are resource person for conduction cocurricular activities. Some of the suggestions from the parents and the remedial actions taken are discussed below

1. Suggestion: Need of value added courses. Action Taken: Various value added courses planned and executed.
2. Suggestion: Need of enriched learning atmosphere. Remedial Action: Use of ICT increased.
3. Suggestion: Extra Classes for year students. Remedial Action: Designed the timetable as per demand and provided a course in the end of sem.
4. Suggestion: Need of classes for competitive exams. Remedial Action: Started classes for GATE students.

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

1. Internal promotion to higher post after acquiring qualification and availability of higher post.
2. Arranging computer training programs to improve computer literacy among supporting program.
3. To provide available housing loan and provide financial support to their children by enrolling them to various schools and institutions in their group.

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

Academic audit for quality improvement. The Institute has systematic approach towards monitoring and enhancing quality of teaching learning process. The focus of academic audit is to bring quality in major academic process through a structured approach. The academic audit process assesses how department members organize their activities, utilize the available resources and work in teamwork to provide best learning experience to the students for effective implementation of Outcome Based Education. Full integration of OBE and Continuous Assessment with corrective measures. For each course, subject teacher formulate the course objectives, assign appropriate blooms level and map it with program outcome. All activities are decided for each CO. The course coordinator prepare assessment plan for each course with the help of module coordinator. The assessment tools are selected to achieve cognitive learning level (Blooms level). All assessment is aligned with stated course outcomes. Performance based internal assessment of students is conducted on each assignment during the regular Practical Session, lab reports, assignments and evaluated on regular basis. Infrastructure enhancement to facilitate learning: To support quality education, infrastructure play important role. Along with traditional methods, faculties are using modern tools to enhance the learning. Use of LCD, smart panels, portable devices makes it easy to add audio

the classroom teaching process. Institute has updated facilities aligned with the learning process.

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal

b) Participation in NIRF

c) ISO certification

d) NBA or any other quality audit

6.5.6 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From
2018	Curriculum Enrichment Program (CEP)	04/06/2018	09/06/2018
2018	Feedback from various Stakeholders (Faculty, Students Alumni)	04/06/2018	04/06/2018
2018	Skill Development : Robotics Process Automation Certification	28/08/2018	28/08/2018
2018	Skill development program by FACE for Placements	05/06/2018	20/06/2018
2018	Academic monitoring system by AMC (Academic Monitoring Committee) for Semester wise Academic Audit	02/07/2018	16/07/2018

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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)

Title of the programme	Period from	Period To	Number of Females
Beti Bachavo	08/03/2018	08/03/2018	15
Nirbhaya Abhiyaan	31/01/2019	31/01/2019	25

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

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

Institute has installed solar electric system panel of capacity 3KW building. The present solar panels generate energy equivalent to 81 solar power plant. This energy is utilized to run electrical equipment in classrooms.

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No
Provision for lift	Yes

Ramp/Rails	Yes
Rest Rooms	Yes
Physical facilities	Yes
Scribes for examination	Yes
Special skill development for differently abled students	Yes

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
2019	1	0	20/02/2019	1	CRPF Fund generation ⁹
2019	1	0	26/05/2019	1	MPSC exam ¹
2018	1	0	11/09/2018	1	Kerala flood fund

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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 student	18/06/2018	All students will be monitored by faculty department
Professional code of ethics	04/06/2018	https://ugccare.unipune.ac.in/apps/
Code of conduct for Faculty	06/08/2018	Followup is done whether faculty follow discipline while performing their

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Num
Cultural Program	31/01/2018	31/01/2018	
Yoga day	21/06/2018	21/06/2018	
Independence day	15/08/2018	15/08/2019	
Constitution Day	26/12/2018	26/12/2018	
Guru Pournima	16/07/2018	16/07/2018	
Republic day	26/01/2019	26/01/2019	

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

1. Energy Conservation: Use of LEDs and solar panels are installed to conserve energy. 2. Water harvesting : The campus generates liquid waste from various sources on the campus like the buildings of the institute, hostels and canteens. This waste is collected in a dedicated sewage treatment plant installed in the campus. Later this treated water is used for non-drinking applications like gardening and watering the pathways etc., in the campus. 3. Efforts taken for carbon neutrality: To keep the campus green and healthy, trees are planted on a regular basis and lawns are maintained. 4. Waste Management : E-wastes such as computers, scanner, printer etc. are collected and disposed over to traders through the purchase section of JSPM. 5. Tree plantation : The institution has worked in collaboration with the forest department and SPPU, Pune and has planted trees around the campus and around the city.

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

1. Mentoring and counseling : The Institute has a strong mentoring and counseling system for its students. It mentors them in their personal, professional and academic development. The goal of mentoring is to help them maximize their potential, develop their skills and to inculcate values. Each faculty acts as a mentor (Group Faculty Member). He is allocated a batch of 15-20 students in an academic year. He maintains all the records of the allocated students to know their academic and personal background. He also maintains a record of their overall progress in curricular and co-curricular activities. The students interact with the faculty at least once a week. In case of a medical problem or absenteeism, the student communicates with the faculty. The faculty even monitors their daily attendance and if it is found that a student is absent, the reason is found out and proper counseling is provided to help them resume their progress. The progress and observations are conveyed regularly to the students through telephonic conversation, SMS, email and personal meeting in order to resolve their issues. The purpose of the weekly meeting is to develop a cordial relationship and to discuss the progress within the students. The faculty takes a review of academic progress and discusses issues related to it during the GFM meetings. As the faculty is committed to help the students on all fronts, these meetings are proving very beneficial for the students. The major role of the faculty is to encourage the students to attend classes regularly and stay focused to achieve their academic goals. They are encouraged to participate in sports and cultural events to develop an all-round personality. The Institute has also appointed a professional counselor to address the psychological, social, emotional and other problems of the students. A system of academic guidance is in place where Class coordinators and GFM are involved in academic counseling as mentors. They provide guidance in a specific area related to their studies. Academic counselors help students decide learning strategy and deal with it effectively. Academic counselors help slow learners so that they can cope up with academic challenges and succeed in the examination. The Mentor (GFM) plays an important role to boost their confidence and consistently motivates them to achieve their academic goals. Advanced students are encouraged to participate in technical competitions, paper presentations and to pursue courses for online certification available on MOOC, MOODLE and various other institutes to enhance their domain skills based on their interest. The Institute's academic counseling system is arranged to assist the students to develop an all-round personality consistent with their goals, interests and abilities. It also involves regular communication with the students aware regarding the academic policies, procedures and requirements. Career counseling: Career counseling is provided by HOD, a few senior faculty members and the Institute's career counselor.

which includes: To make them aware about the various career options strength and weakness. To assess their skills, needs, and interests : career To help the students explore opportunities in multidisciplinary them about the various TP activities within and outside the campus. (specific The student who faces difficulties regarding a specific cou work is provided extra support by course/Lab coordinator. Theses stud by the course coordinator to understand their learning needs and diff: the course. The Course coordinator frames assignments and also provid to them. Extra classes practicals are also arranged to clear their de difficulties. These activities help the students to clear their backlo percentage in the university exams. The Institute has also appointe counselor to address the personal, psychological, social, emotional an the students. The impact of the overall mentoring is observed in many confident to share their problems without hesitation. Many students im and their engagement in curricular and extra co-curricular activit: noticeably. Apart from these changes, there has been quality improve placement during the last two years. 2. Curriculum Enrichment Program adopted the outcome based education policy. In order to meet the rec curriculum plays vital role to enrich skills and outcome of students established a mechanism to conduct curriculum enrichment program at every semester. The course is allocated to each faculty based on his (and experience by the department. The allocation of all module coord: respective HOD. The institute organizes the Curriculum enrichme collaboration with other institute which works under JSPM group of in program, all module and course coordinators participate to discuss a content. All course coordinators rigorously go through the syllabus .! are identified with the help of module coordinators, also input from : are taken to design content beyond syllabus. All course coordinators b content and frame the course outcomes for their allotted subjects. The levels and program outcomes are mapped with each course outcome. The prepared and care is taken to include all teaching methodologies to i delivery of content. During this program, Assessment and evaluation p achieve stated outcome of each course. All course coordinators prepa internal assessment papers, assignments, MCQS and unit wise notes and to these, the various activities like mini projects, expert talk, a planned to enrich the learning experience of students. The quality of and approved by module coordinator. All these contents are included : and uploaded on MOODLE before the commencement of semes

Upload details of two best practices successfully implemented by the institution as per NAAC 1 website, provide the link

https://jspmjscoe.edu.in/pdf/iqac/BestPractices_JSCOE

7.3 - Institutional Distinctiveness

7.3.1 - Provide the details of the performance of the institution in one area distinctive to its vision, more than 500 words

Innovation clubs: Institute has started innovation clubs in each d provides opportunity for student to showcase their talent and trigger and implement innovative project ideas. The motive behind this is to learning and allow student to become more independent and take respon:

learning. Through these clubs, students are taking initiatives to : statement and finding solutions. Students are taking advantage to enhance beyond classrooms and staying after college hours to continue their following are various clubs which are operative in various departments administered by students. Expert faculties monitor their progress and technical expertise. • IOT club: • Data science Club • Auto Club • Pe students are coming forward to participate in National and International like SAEINDIA BAJA, ROBOCON, GO KART, SUPRA , AICTE hackathons. The student participation in the hackathons which are organized by the various project competitions organized by the various industries is increased. many innovative ideas and participated in various competitions which were smart India hackthon ,Quest ingenium, IEEE TDCS, intech OLYMPIAD, A Chhatra award. Through this initiative, total 11 students placed in placed in Quest global private limited and also received many awards Students along with faculty filed patent of their innovative

Provide the weblink of the institution

<https://jspmjscoe.edu.in/pdf/iqac/Institutional%20Distinctiv>

8.Future Plans of Actions for Next Academic Year

Institute is committed to quality education, so it takes consistent efforts conducive learning environment. Institute has prepared action plan for 2019-20. In which it has taken following initiatives. Peer Learning Group learning more effective, all departments has formed strategy for Peer Learning these, groups of 10 to 12 students are formed which includes learners and learning pace. The activities carried are they can revise lessons after weekends. and undertake group projects also. Academically bright students learners in tutorials and clear their difficulties. Sometimes senior students the juniors in mini projects. Implementation of digital technologies: Institute the potential of digital technologies to enhance teaching, learning and help students become engaged thinkers, active learners, and knowledge seekers make effective implementation institute has plan to allocate more funds infrastructure facilities like installation of digital panels and smart classrooms. Also plan to train faculties to use modern tools. Skill development Industry requirement: To develop critical skills, knowledge and competencies cope up with changing technology and industry demand, institute has plan students in different skill sets. For soft skill development institute professional trainings for all needy students. For English language course has plan to setup well equipped language laboratory and recruit English improve writing, listening and speaking skills. To improve technical course institute is planning to increase tie up with industries so that there knowledge exchange between industry and academia. Through this, students new trends of industry and will get opportunities for internship and skill To strengthen Research Culture: Institute is focussing on research activities has plan to allocate more funds to improve research facilities and give faculties to publish their research work in reputed journal. Institute provision to give financial support to promote Student to bring new ideas in national level project competitions To enhance incubation facilities planned to enhance facilities to accommodate more aspirants' .To improve of incubation centre ,institute is integrating activities of III and E

cell .ED cell has plan to register more members and generate more funds at center.