Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**JAYAWANTRAO SAWANT COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr.Rajendra 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**

Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr.Sharmila Shinde**
Phone no/Alternate Phone no.	**02026970886**
Mobile no.	**8237464961**
Registered Email	**sharmilashinde@jspmjscoe.edu.in**
Alternate Email	**sharmilas.icoer@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	**https://jspmjscoe.edu.in/storage/NAAC/AQAR_18-19.pdf**
4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	**https://www.jspmjscoe.edu.in/Academics/AcademicCalendar**

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
Seminar on Quality Assessment and Evaluation	23-Sep-2019 1	60
Understanding Performance indicators and maaping with CO	06-Sep-2019 1	110
NBA Accreditation - Awareness ,Process & Challenges	28-Aug-2019 1	80
Writing research Proposals and Research Papers	03-Sep-2019 1	40
FDP on Copyrights, Plagiarism and EthicsFDP on Copyrights, Plagiarism and Ethics	12-Jul-2019 1	50
Curriculum Enrichment Program(CEP)	04-Jun-2019 7	150

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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.P.A.Patil	research fund	ASHRE	2019 365	370000

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9. Whether composition of IQAC as per	Yes

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	70000
Year	2019

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

1.Improvement in assessment process to improve quality of education.
2.NBA accreditation preparation
3.Conduction of various need based courses for students
4.Gearning up various activities under student clubs to maximize

participation in various national and international competitions

5.Encouraged use of ICT tools to improve teaching learning experience

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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
Training to faculty to use digital technology effectively in regular academics	Increase in use of modern digital techniques by all faculties
To encourage self learning by facilitating Eresourses	Students actively participating in online courses and remarkable improvement in access of MOODLE
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 Hackethon, KPIT, Quest ingenium, Sigma Conclave
To perform academic and administrative audit of all department	All department ready with preparedness report at the beginning of semester
To get NBA Accreditation of all department	SAR of all department has been submitted.

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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	16-Mar-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	1. ERP : Institute has in house ERP system prepared by faculty members in collaboration with faculties of JSPMs Jayawant Institute of Management known as E SAMANWAY. 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. 2. Moodle LMS optimizes instructional delivery and administration, empowering teachers to devote more time to quality student interaction, research and selfimprovement. It empowers students to learn better and faster as many academic processes become more efficient. 3.Streamlined management of timetables, classes, assignments, homework and projects 4.Streamlined management of assessment, grading, exams and discussions 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 due to on line digital availability of content.

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
words

As institute is affiliated to Savitribai Phule Pune University (SPP
follows scheme and syllabus provided by the University. In order to
vision, mission, Quality Policy and Objectives of the institute, inst:
policy to restructure curriculum every year to adopt technological cha
industry needs. At the beginning of every academic year DAB meeting i
where all representative participate and share the ideas to strengtl
curriculum. The input from IQAC and internal, external stakeholders :
into consideration .Initially curriculum gap at program level is ide
with the help of module and course coordinator. To fulfil gap var
activities are planned and discussed in DAB meeting. Curriculum Enr:
Program is arranged at JSPM level before commencement of each semeste
all course coordinators participate. All course coordinators prepare t
contents along with course objectives and course outcomes. The qual
course content is checked and approved by module coordinator and are
on the MOODLE and used for effective course delivery and engage st
effectively further. Additional resources like NPTEL, important web l
research paper links are also provided to enhance self-learning. For (
deployment of curriculum and activities, Principal addresses the facu
the start of semester .Various strategies are planned to integrate IC
and modern technology so that teaching learning process will be enric
Institute academic schedule is prepared in line with university aca
calendar which includes Curricular, co-curricular, extracurricular ac
like VC Lectures, industrial visits, workshop, seminars, training prog
Further each department prepares Department Academic calendar wh
incorporates all details and activities at department levels e.g. Pare
Unit Test Schedule(online and written), GFM Meeting, Workshops, Sem
Expert lectures, Industrial visits . Students are made aware with eva
process at the beginning of the semester so that they can plan their
activities. Attainment analysis is carried out by the course coordina
PAC members. Attainments are further analysed by DAB and IQAC, which
suggest an improvement and help redefine the curriculum developmen
deployment process.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Dev
Zensar ESD	–	01/07/2019	90	employability	Empl Dev
PLC SCADA Automation	–	21/07/2020	5	employability	Empl
Knowledge Solutions, India, Microsoft Certification	–	21/08/2019	30	employability	Cod: dev

[Data science using Python]					
Knowledge Solutions, India, Microsoft Certification [Cross Platform Mobile App Development]	Nil	06/08/2019	30	employability	

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	I
BE	Pogramming and problem solving	1
BE	Audit Course-I, Environmental Studies-I	1
BE	Project Based Learning	1
BE	Audit Course-II, Environmental studies-II, Democracy, Election and governance	1

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementa CBCS/Elective Course
BE	Computer	01/06/2019
BE	Electronics and Telecommunications Engineering	01/06/2019
BE	Electrical	01/06/2019
BE	Mechanical	01/06/2019
BE	Information technology	01/06/2019
MBA	MBA	01/06/2019
MCA	MCA	01/06/2019
ME	Computer	01/06/2019
ME	Electronics and Telecommunications Engineering	01/06/2019
ME	Mechanical	01/06/2019

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

	Certificate	Diploma Cour
Number of Students	250	Nil

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	Nu Stude
Zensar ESD	03/06/2019	
1 Day Workshop on 3D printing 3D printing Technology one day workshop on 3D printing	09/09/2019	
FACE Training	03/06/2019	
Python Training	19/07/2019	
Syntel Python Training	13/01/2020	
Workshop on Developers Thrust	13/01/2020	
PLC and Automation Training Program	13/01/2020	
CAD CAE Training Program	19/07/2019	
Software Testing Workshop	25/08/2019	
Solar Systems designing software	25/10/2019	

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of studer for Field P Interns
BE	Smart Stretcher cum wheelchair using IoT	4
BE	Elelctric Vehicle for Senior citizens and Physically challenged people's using IoT and ML	4
BE	Alexa Integrated Card for Driver guidance	4
BE	Intelligent E sprayer for agricultural field using IoT	4
BE	Intelligent Garbage collector for fertilizers and electricity generation using IoT	4
BE	IoT based weather monitoring system for smart agricultural using IoT	4
MBA	Markrting and finance	52
MCA	MCA internship	60
BE	KIRLOSKAR PNEUMATIC CO LTD, Hadapsar Industrial Estate, Hadapsar, Pune, Maharashtra 41 1013	6
BE	industry sponsered projects	37

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The Department collects feedback for all the courses from all the regi students. A structured form is provided to the students where they exp their opinion and rating about overall academics. The feedback is coll twice in a semester. The first feedback is collected within 3-4 weeks commencement of the semester so that necessary changes can be accommod improve teaching-learning. The second feedback is collected at the end semester to evaluate its impact. The feedback form covers the question about faculty performance, teaching learning process and infrastructur facilities. These feedbacks are conveyed to HOD to take corrective mea The feedback of the course is also discussed with the students to assu that their suggestion has been taken seriously so that, they put good the evaluation process . Indicators for faculty performance and teachi learning process includes: 1. Subject is thoroughly prepared organized logical sequence 2. Punctuality, class control syllabus coverage 3. Qu to test knowledge generate interest 4. Illustration of concept using r examples and applications 5. Provides useful assignments to gain pract knowledge timely evaluation 6. Use of ICT and variety of teaching tech 7. Availability outside class room to clear difficulties/doubts 8. Dis on expected outcome and assessment strategy, its weightage. 9. Efforts enhance soft skills/employability skills of students Course End Survey purpose of course end survey is to encourage the students to reflect o skills and performance in a particular course and understand areas to their competency level. Following points are considered for the course survey: 1. Objective of the course 2. CO-PO attainment of the course T feedbacks are analyzed at the departmental level by the feedback analy committee. The committee prepares a report on important issues raised students. The feedback associated with the performance and teaching of faculty member is reviewed by HOD and senior faculty members. Appropri counseling is provided to the faculty member whose performance is belo expected level. The faculty member who receives a feedback above 80 is appreciated by the HOD and the Principal. The feedback taken on teachi learning helps to overcome the gap between the current and the desired performance. To improve the teaching learning process, an action plan prepared and implemented in due course. The report is sent to IQAC for corrective measures.

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
BE	Computer	120	119
BE	Electrical	60	36
BE	ETC	120	75
BE	IT	60	60
BE	Mechanical	180	67
ME	ETC	18	7
ME	Computer	24	10
MBA	MBA	60	60
MCA	MCA	60	60
BE	Mechanical	24	12

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	N tea U
2019	1999	321	117	29	

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems 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	Numberof smart classrooms	E-re tech
146	120	10	24	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 mentoring scheme in place. Institute provides mentoring for personal professional and social development of students. The goal of mentoring is to help them to maximiz develop the skills and to inculcate values in student. Each faculty acts as a mentor/GFM (Guardi Member). A batch of 15-20 students is allocated to each faculty in an academic year. Mentor keep

of the allocated students to know the academic and socio-economical background of the students consists of personal information, academic record, and overall progress in curricular and co-cu activities. The students interact with the faculty at least once in a week. In case of medical pr absentee, student communicate to his/her mentor. The Faculty even monitors their daily attenda found frequent absentee, the reasons is found out and proper counseling is provided to ensure progress. The progress and observations are conveyed to the parents through telephonic conver email and personal meeting regularly in order to resolve issues if any. The purpose of weekly me develop cordial relation and to build trust with students. The faculty takes review of academic pr mentees and discusses issues related to it during GFM meetings. As faculty is involved personal students on all fronts, these meeting are proving very beneficial to students. The major role of f encourage students to attend the classes regularly and stay focused to achieve their academic goa to participate in sports, cultural events to develop all round personality.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : M
2320	146	1:

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
139	146	Nill	Nill	

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at 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, rec Government or recognized bo
2019	Dr.Dattatray S.Waghole	Assistant Professor	Doctor of Science (DSc) specialization in Wireless networks from California Uni USA.
2019	Dr.S.B.Mohite	Professor	International Research

View File

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 during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of semester-end/ year- end c
MCA	614524110	2019–20	13/10/2020	11/11/2020
MBA	614510110	2019–20	13/10/2020	11/11/2020
BE	614561210	2019–20	13/10/2020	11/11/2020
BE	614524610	2019–20	13/10/2020	11/11/2020
BE	614529310	2019–20	13/10/2020	11/11/2020
BE	614537210	2019–20	13/10/2020	11/11/2020

BE	614524510	2019-20	13/10/2020	11/11/2020

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

Internal evaluation scheme includes written examination, MCQs test ,I open ended assignments. MCQs test conducted on Moodle, whereas perfo assessment in the labs is done through rubrics. The weekly assess activities help to monitor students progress and performance in va activities. Those who fail to achieve required skills, personal interve done to improve performance. The remedial classes are conducted and r organised to low performing students. Each of the questions is mapped and cognitive level. The proper weightage for each CO is ensured. Qu paper also includes questions from GATE and inputs from industry exp employability, projects etc. Performance rubrics are well defined fo Projects, assignments and students activities, The performance crite mapped with POs .The outcome of each activity is monitored by PAC and actions are taken to achieve set targets.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related mat words)

At the starting of each semester,Academic calender is prepared by univ .Based on university timeline,institute frame its academic calender.Fu department outline its calendar which includes all academic and extrac activities . This calender are strictly follwed by each department and monitored by IQAC.The course delivery and other academic activities ar within prescribed duration. All examination are conducted as per unive schedule and internal assessment is carried out as per institute guide Each faculty prepare their teaching plan rigorously to map academic ca and carry our regular assessment. Students are also made aware to acad activities on the first day of semester commencement. The training act are planned with the help of training and placement department so that academic activities will not hamper much.

2.6 – Student Performance and Learning Outcomes

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

https://jspmjscoe.edu.in/storage/IQAC/PO,%20PSO%20&%20CO%20of%20all% 20.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
614524510	BE	Computer Engineering	148	148
614537210	BE	Electrical	68	68
614529310	BE	Electronics and	66	66

		telecommunication		
614524610	BE	Information Technology	61	61
614561210	BE	Mechanical Engineering	192	192
614510110	MBA	Master of Business Administration	58	58
614524110	MCA	Master of Computer Applications	32	32

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2.7 – Student Satisfaction Survey

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

https://jspmjscoe.edu.in/storage/IQAC/Student%20satisfaction%20surv(20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amou duri
Students Research Projects (Other than compulsory by the University)	180	IP LAB	0.7	
Industry sponsored Projects	180	IP LAB	0.7	
Major Projects	365	ASHRAE	3.7	

View File

3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	
How to make android App	Computer Engineering	1
Simulation of Digital trainer kit	Computer Engineering	2
Workshop on "Intellectual Property Rights" (IPR).	Electronics and Telecommunications Engineering	1

IPR seminar	Electrical	1
PLC automation workshop	Electrical	1
Conflux	Mechanical	1
"Unleash your potential" by Mr Prashant Ambulgekar- VP HR Shirke Group of Industries	MBA	0
"modern tools to define and distinguish today's leaders" By Mr. Abhijit Desai- Alumni of IIM Kolkata	MBA	0
Interdisciplinary Knowledge session on "Training and Development from the perspective of modern HR Management" by Dr. Manohar Karade	MBA	1
IPR Convention National IP Awards	Computer Department	0
IPR Awareness Workshop	Computer Department	0

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	
Nanogenrator – smart Electric vehicle	Sumit Bhamare Sainath Mali	College of Engineering Pune.	28/09/2020	N Le
Medical Drone	Team Cerebro- Spark	College of Engineering Pune.	17/02/2020	"Pl o Sma
Smart Helmet	Team Eureka	India Hackathon 2019 Software Edition August 2020 AICTE	05/08/2019	Sm
Nanogenrator – smart Electric vehicle	Team-tribo	India Hackathon 2019 Software Edition August 2020 AICTE- Smart City Vehicle	08/07/2019	
Design solution for storing solar Energy in the form of endothermic chemical reaction and release to generate Electric Energy	Manish Malgonde	Intech Olympiad 2019	13/04/2020	
Smart farming using IOT	Computer department	IEEE TDCS	17/02/2020	I

				Co
Thermal Stabilization of battery for Electrical vehicle	Dr. Mohite Sanjay	KPIT	02/03/2020	ir
Smart vehical	Dr.Datta Waghole	smart india hackathon	18/09/2019	
Ingenious Hand pump for smart agricultural using IoT	Pratik Ghodake 2. Bhunesh Argnoor 3. Siddhaya Mathpati 4. Swapnali Kharat	AICTE Chhatra Vishwakrma Award Organized By AICTE HQ. New Delhi	24/02/2020	Ag
Mobility Energy for the Future	Apoorva Pandey Ajay Dhundaye , Shubham Sonalkar,Mohit Munjal Shekhar Darandale Rajan Kumbhar Vrushali Vetal	KPIT SPARKLE	02/03/2020	M En th

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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	Com
1	Innovation, Incubation andEntrepreneurship	JSPM Trust	nil	nil	

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
5000	10000	10000

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

Name of the Department	Number of PhD's
Electronics and Telecommunications Engineering	2
Mechanical	1
IT	1
Computer	2

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

Type	Department	Number of	Average In

		Publication	(if
International	Computer Engineering	40	
International	Electronics and Telecommunications Engineering	6	N:
International	Electrical	8	N:
International	IT	8	
International	Mechanical	15	0
International	MCA	2	N:

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

Department	Number of Publication
Computer Engineering	2
Mechanical Engineering	1
Information Technology	8

No file uploaded.

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation 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	Institutiona affiliation a mentioned the publication
Design, manufacturing and Testing of single stage stirling cryocooler for cooling infrared sensor used in space application	Virendra Bhojwani	National Symposium on cryogenics and superconductivity 2019	2019	Nill	JSPM.JSCC
Automated generation of test cases for conducting	V.V. Kondhalkar	JARDCB	2019	Nill	JSPM.JSCC

pairwise plus testing					
Smart Ambulance using IoT	Dr.D.S.Waghole	Springer	2019	Nill	JSPM.JSCQ

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Ir a m
Feature Extraction of Brain Tumors with the help of MRI, Based on Symmetry and partitioning	Gumaste Pratima Purushottam	Periodicals of Engineering Natural Sciences	2019	Nill	Nill	Ja C En S

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

Number of Faculty	International	National	Stat
Presented papers	32	Nill	Nil
Attended/Seminars/Workshops	1	50	10
Resource persons	1	4	5

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number c participat acti
Special Camp at Pangare	NSS-JSCOE	17	5
Swattcha Pune	Sinhgad Fort Cleanliness Drive by NSS with SPPU	1	2
Sangli-Kolhapur Flood Relief	NSS-JSCOE	13	4
Traffic Duty	NSS with Wanowrie	7	7

	Police station		
Swachha aani Swasth Vaari by	NSS with SPPU	1	
Guinness World Record Tree plantation by NSS	SPPU	18	(

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3.4.2 – Awards and recognition received for extension activities from Government and other recogn during the year

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

No file uploaded.

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number participat acti
Swachh Bharat Abhiyan	NSS-JSCOE	Clean campus and surrounding	3	
Gender Issue	NGO	Save Girl child	2	
Aids Awareness	NGO	AIDS awareness	2	
Blood Donation	JSCOE	SaveLife	5	1

View File

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	
IOT club	35	IP lab,JSCOE	
AUTO CLUB	55	JSCOE	
POTENTIAL CLUB	50	JSCOE	
CODERS CLUB	35	JSCOE	
SPARKLE CLUB	30	JSCOE	

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, shari 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
Internship	student training	LAXMI STEEL FABRICATION, PUNE	01/06/2019	30/06/2019
Internship	student training	HINDUSTAN UNILEVER LTD., PUNE	21/06/2019	05/07/2019
Internship	Internship	KSB PUMPS LTD., PUNE	03/06/2019	02/07/2019
Internship for students	Kraft Powercon	Kraft Powercon, Pune	15/07/2019	29/05/2020
Internships and Projects	Student Exchange	Kalashree Engineering A-21, Lane 4, Gondhalenagar, Satavwadi, Hadapsar, Pune, Maharashtra 412308 020 6478 0686	04/01/2020	09/03/2020
Project work and Internship	Collaboration for projects and internship	IP Lab (9970133672)	08/07/2019	08/05/2020
on job training	Zensar ESD	zensar	19/12/2019	29/02/2020
Research, Internships and Projects	Faculty and Student Exchange	UTTEJANA TECHNOLOGIES 26 GNR SUN TOWERS, 2nd Cross, Ward No 55, Muniswamyappa Layout, Mahadevapura, Bengaluru, Karnataka 560048 093425 29324	26/12/2019	25/01/2020
Internships and Projects	Student Exchange	RATNA GEARS 69, Shiv Nagar, Hadapsar, Pune, Maharashtra 411028 099700 60016	12/12/2019	12/01/2020
Faculty Training , Internships and Projects	Faculty and Student Exchange	HOG Engineering Survey no. 27, 3C/2, Tukaram Nagar, Kharadi, Pune, Maharashtra 411014 08308806100	07/06/2019	14/06/2019

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

Organisation	Date of MoU signed	Purpose/Activities	Numb students/ participated
IP Lab	11/10/2019	Project sponsorship, workshops, seminars and conferences	2!
Ravin Cables Ltd. Mumbai	03/06/2019	Sponsored Lab, workshops	4
Jetking Hadapsar Learning Center, Pune	08/07/2019	trainings	2
Kraft Powercon, Pune	13/08/2019	Internship for students	4
Reliance Jio	16/09/2019	Workshops, Visit, Faculty FDP	4
MPTA education	10/07/2019	PLC designing,role of SCADA in industrial automation	2!
Automation Anywhere	01/11/2019	Training and Placement	4(
GTT	10/01/2020	GTT	6(
MSEDCL	03/06/2019	e-Vehicles ,Charging Infrastructure and Tariff 60	6(
Microsoft-AEP (Authorized Education Partner)	08/08/2019	Skills development, certification	10

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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 dev
3	2.74

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existi
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	New
Seminar halls with ICT facilities	New
Classrooms with LCD facilities	E:
Seminar Halls	E:
Laboratories	E:
Class rooms	E:

Campus Area		E:

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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 patially)	Version	Year of
AUTOLIB	Fully	1.0.0	2

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		To
Text Books	28464	8638000	Nill	28464	28464
Reference Books	2186	1557000	Nill	Nill	2186
e-Journals	27030	178000	Nill	182000	27030
Journals	111	324000	Nill	330000	111
e-Journals	6852	1114000	Nill	1135000	6852
Digital Database	Nill	Nill	Nill	Nill	Nill
CD & Video	1787	Nill	Nill	Nill	1787

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date e-con
All faculties	All subject	Moodle-http://117.206.159.20/jscoe/	03/0
Darshana Patil	Theory of computation	Moodle,you tube https://www.youtube.com/watch?vOCPpcdomyvg	10/0
Dr. Aarati Dandawate	DLDA	Moodle,you tube https://www.youtube.com/watch?vhwvLIGgDBXU	10/0
Dr P.A.Patil	Refrigerant Compressors	https://www.youtube.com/watch?vl42c5nIuOYk	27/0

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Availab Bandwi (MBPS/G

Existing	720	660	540	0	60	20	8	74
Added	0	0	10	0	0	0	0	0
Total	720	660	550	0	60	20	8	74

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 centre and facility
LMS-MOODLE	http://117.206.159.20/jscoe/
smart panel	https://youtu.be/QHF2l4brgqU
video conferencing	https://jspmjscoe.edu.in/campus-life/cc facilities
Digital /All common facilities	https://jspmjscoe.edu.in/campus-life/cc facilities
Institute you tube channel	https://www.youtube.com/channel/UCanlY83Gs 3ucsQ

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure inc maintenance of facilite
4.5	4.36	3.1	2.9

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

The institution has well established procedures for maintaining an gradation of academic and support facilities - laboratory, library, computerc,classrroms A separate Maintenance department is available in to look aftervarious facilities and infrastructure . The Campus Supe looks at a)civil maintenance and upkeep of civil infrastructure. b) Ma of garden c) General cleanliness of campus through separate House K department d)Electrical,carpentery,plumbing works All maintenance sta the muster institute, duly supervised by supervisors and guided and m by supervisor. Policies of Academic and Support Facilities: Classro Laboratory maintenance: 1.Each department maintain classroom and labo Laboratories and classrooms are allotted for theory and Practical ses per timetable. The maintenance of computer laboratories are taken car In-char administrators take care of the repairs and maintenance of all 3.As a precautionary measure laboratory- in- charge, along with labor ensures inspection and proper working of all equipment at the beginn semester. 4. Dead Stock register is maintained and updated for each Stock inspection has to be carried out by central committee at the end

> year. Utilization and Maintenance of Library: 1.Every department pr
> requirement as per curriculum requirement and send it to library for
> processing.All students and faculties are instructed to apply for libr
> to access the library and all reference books in a week. If book i
> returned in time, nominal fine is collected faculty can borrows 10 bc
> each semester. 4.All activities are carried out by automated softw

https://jspmjscoe.edu.in/campus-life/common-facilities

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	A
Financial Support from institution	JSPM Scheme	3	
Financial Support from Other Sources			
a) National	Freeship and scholarship	2160	1:
b) International	0	Nill	

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies inv
softskill training	27/01/2020	52	GTT - sy
Personal counselling and mentoring	24/06/2019	1500	JSCOE All de
Company specific training	02/03/2020	68	Seventh sens soluti
Soft skill development	01/07/2019	420	FACE
Employability Skill development	04/03/2019	450	Zensa
campus placement readiness	03/06/2019	225	FACE
Remedial sessions for SE TE Critical Backlog Students	08/10/2019	200	JSCOE All de
Yoga meditation	14/08/2019	80	UTKARSHA-18 Department Gi
Language Lab to develop communication	10/06/2019	250	JSCOE All de

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered 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 passedin the comp. exam
2019	Institute Social Responsibility Cell	150	100	10
2019	Project based Placement	Nill	250	Nill
2019	Training and placement cell	Nill	350	Nill

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievanc
20	20	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus	
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number student participat
Sankey Solution Fiserv Zensar Capgemini Atos Syntel pinclick Qspider TechMahindra Global Step Services pvt ltd Bitwise Huma Ruciea WhiteHat jr. Pvt Ltd Sapdra Talentio Wipro Infosys IBM Bilsam Technology Coditas Technologies kpit Amazon SQR Infotech	400	300	Angular Minds	50

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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	Depratment graduated from	Name of institution joined	pr ad
2020	3	computer	computer	vellore VIT	M.
2020	6	Mechanical	Mechanical	JSCOE	

2019	1	Mechanical	Mechanical	MIT, Pune	
2019	1	Mechanical	Mechanical	University of Dayton (USA)	
2020	1	IT	IT	University of Maryland, Baltimore County	
2019	1	ETC	ETC	SRH University Heidelberg	
2019	2	ETC	ETC	JSCOE	D comm
2020	4	Electrical	Electrical	SPPU	PG
2020	4	Electrical	Electrical	TSS BSCOER,	
2020	1	Electrical	Electrical	MIT pune	

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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
GRE	3
GATE	11
TOFEL	1
CAT	1

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

Activity	Level	Number of Participants
Anternaad	National	2000

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number
2019	8Th Rank in National Yogasana Championship	National	1	Nill	41
2019	economic times campus star award	National	Nill	1	Nill

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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)

Institute has a student council formed as per the guidelines of SPPU S
Phule Pune University (University act 1994) which is headed by Gen
secretary. Student council representative are selected from each depar
it provides platform to the student to participate in administrative w
functions of student council are: • To organize the institute level
cultural activities. Celebration of National days like Independence
Republic day etc.of nationalism and tribute to the nation. • To organi
donation camp as well as tree plantation, free eye check-up, road safe
NSS camp etc. to increase social awareness. • To publish institute mag
Student council provide procedural support to organize all events at i
level and also gives wide publicity to all events in the neighbou
institutes. Student's Association at department level: • Each depar
constitutes student association by selecting representatives from all
The representatives are selected through interviews . Further it helps
enhance leadership qualities and decision making. The association ac
organise various events at department level like Engineers Day, Scie
etc., to keep friendly and energetic environment. Student's associat
department level : • CESA (Computer Engine Association) • MESA (Mech
Engineering Student's Association) • and Telecommunication Enginee
Student's Association) • EESA (Elec Student's Association) • ITSA(Inf
Technology Student's Association

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institute has a registered Alumni association The Alumni associati
actively for the welfare of the institute. The institute website also
communicate activities with alumni. Activities: Alumni meet is organiz
in a year for maintaining harmony among the alumni and the institute.
are invited for many events in the institute to witness the progress a
to share their experiences. Contributions The contributions of the Alu
Association for institutional, academic and infrastructure development
Many alumni assist the students of the Institute in various academic a
by guest lectures, motivating the students by sharing their practical
knowledge. Alumni meet provide a common platform for exchange of ideas
disseminating knowledge in professional areas. They assist the student
institute to pursue higher studies. Few alumni extended assistance and
cooperation to the Institute in its endeavors for the growth and devel
institute. Alumni association provided the donation and consultancies
infrastructural development of institute. Representation of alumni in
academic committees provides valuable inputs in curriculum enrichment
student development.

5.4.2 – No. of enrolled Alumni:

5200

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

213000

5.4.4 – Meetings/activities organized by Alumni Association :

One meetings of Alumni members were conducted. 11/1/2020 The meeti
scheduled on 11 the January where 350 alumnis have participated. The
visited their respective department where HOD has given presentati
progress of the department and gave information on newly added infras
and laboratories. During this session alumni have interacted with jur
share their thoughts. After department visit, there was a common func
all institute alumnus. This program was headed by principal and mana
representative were also participated.

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 yea
500 words)

Yes, the college has always promoted decentralization and particip
management which is conducive for overall growth of the institution. •
is the head of academic and administrative affairs. All policy chang
academic activities are planned through a process of dialogue with sta
at various levels of the management system. • There are many practi
decentralization and participative management are followed at the in
level, amongst them the two practices are as follows 1. Academic A
(Academic Monitoring Committee): • The administrative system for imple
of Assessment consists of coordinators and committees. There are va
committees responsible for effective implementation which helps in ens
quality of education. 2. Academic monitoring committee assesses the
content of course material prepared by individual faculty, punctuali
regularity of lecture and practical conduction, lecture observatio
Academic monitoring committee assesses the quality content of course
prepared by individual faculty, punctuality and regularity of lectu
practical conduction, lecture observation. 4. AMC reviews the subjec
performance of each faculty along with all the necessary aspects of
learning process like syllabus completion status, test performance,
material etc. twice in a semester. 5. Department advisory board is re
for Drafting of Vision, Mission of department. It also, formulate POs,
defines current and future issues related to programme. This commi
recommends the proposals/requirements for effective implementation o
Program assessment committee at each department level is responsibl
preparation of periodic reports on programme related activities, statu
for management and key stakeholders. It conducts surveys, interactio
faculty, coordinators and other stakeholders 7. Module Coordinator co
and supervise the faculty teaching the courses in the module , Recomm
facilitates workshop/guest lectures/seminar/FDP to meet the COs.
Decentralization at administrative level: By taking into account the
expertise at different levels for overall improvement of the institut
developed based on stakeholder feedback and internal committees. Va
positions were created like Dean Planning and development, Dean III (

Institute Interaction), Dean of student affairs, Dean Academics, Dean
and development, Dean administration. These positions were created in
improve overall administration at institute level.

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
each):

Strategy Type	Details
Research and Development	Faculty members actively participate in RD (Resea Development) activities, which play a very important ro success of an Academician. RD activity helps faculty me students to upgrade with recent trends and technolo competitive edge over its competitors. The outcome research environment is, 4 faculty members of the dep have completed a Ph.D in the last 3 years and curre faculty members pursuing their Ph.D. Faculty members i paper publications, patents and consulting with industry.Academic research includes research paper publ Ph.D guidance and faculty members receiving Ph.D dur assessment period.Department faculty members have nu Journal/Conference publications in their specializati department senior faculty members encourage staff and to publish their research work in international and m journal/conferences.
Library, ICT and Physical Infrastructure / Instrumentation	The college has developed "MOODLE" a platform for quic and 24x7 digital supports. "MOODLE", is software desi help educators create quality online course materials. the students to learn the concepts in their convenient pace. Using Moodle, faculty members share all the cours video lessons, gate questions, textbooks and reference all subjects in a semester. At the same time, the st performance is also evaluated by conducting game pedag college Moodle website is very user-friendly. All the material is made available to the students via their Provisions are also given to the peer group to provid suggestions as well as improve the contents of the w MOOCS: MOOCS or Massive open online courses are a relat entry in the academic sector throughout the worl
Industry Interaction / Collaboration	At the start of every semester, III cell executes fo process for internship/ summer training Internship identification: Faculty members prepare their course according to SPPU syllabus and identify gap, which th observed in the theory course. To full fill this, fa members proposes different activities for course exe Internship encouragement: The students are encouraged internship program in winter or summer vacation. D

information: III Cell and Faculty members give guide
suggestions and introduction of the scope of the inter
the students in respective domain. Industry informati
companies for the internship are identified by taking
from contact details received from faculty, parents,
interaction with the nearby industries. Student sele
criteria: The students are short listed based on their
performance, willingness, curiosity and their involveme
practical sessions. Industry communication : III Cell a
faculty members, alumni coordinator constantly interac
the friends, alumni working in the industry and reques
provide necessary guidelines and support for intern
Students undergo training: The students undergo inter
the shortlisted company for a specified period of
Different domains for internship are power electron
electronics design, embedded system design
communicationIndustrial visits offer a great source
practical knowledge. Students observe and learn ind
approach. Students are exposed to the working environ
demonstrated to the actual working in an organizatio
following table gives the details of industrial visits
during academic year 2018-19 Table 2.2.5a: Summary of I
Visits Sr. No. Year No of students Name of Company Date
Outcome 1 BE 47 Tata Institute of Fundamental Resear
Hindustan Aeronautics Limited, Bangalore 15th March 201
March 2019 1) Students got knowledge about research p
waveguides and wireless communication. 2) Students obs
technique developed at Ooty to study the interplan
scintillation observations. It provides valuable info
about the solar wind and solar-wind magnetic storms th
the near-Earth environment. 2 TE 46 Consul Neowatt, Ha
Pune 6th and 7th September 2018 1) Students came to kn
SMPS and invertors board and assembly of components. 2)
studied actual SMPS boards. 3) Theoretical and prac
knowledge sharing took

Examination and Evaluation	In the program, the courses are carefully formulated t continuous improvement from introduction to proficienc leads to achievement of the intended POs. For the effe of the program, the achievement of POs is crucial which be proven through accurate and reliable assessment pr The department defines the evaluation scheme to gath assessment data in consultation with Department Adviso (DAB) and Focus Group (FG) along with the guidelines p by regulatory bodies. The entire evaluation proces transparent for stakeholders.As per the blooms taxonomy mentioned in course outcome, the assessment tool is pro respective CO by faculty along with target level. The evaluation tools and target set by faculty are revie module coordinator and updated if it is suggested. PAC the detailed evaluation plan of the program and sets ta CO- PO attainment. The approval is sought from DAB.

	3.2.1b describes the target setting for a course C208 I Circuits as a sample. Also it describes basket setti attainment of POs and PSOs. Academic calendar for eva scheme is prepared and published for information stakeholders.
Curriculum Development	The courses mentioned in SPPU syllabus are mapped with and the gap is identified to which the PI is not add through SPPU syllabus. 3. These identified gaps are cl into course level and program level . Certain gaps are in curriculum design to enhance PI mapping. The activi planned as Content beyond Syllabus (CBS). 4. The m committee and focus group will review and approve the design and assessment tool to be employed for each of course level gap. The course outcomes are enhanced by course level curriculum gaps . 5. Program level curricu are reviewed and approved by Department advisory board Program assessment committee (PAC). Stakeholders' surv important role to design content for program level
Teaching and Learning	To maintain quality of teaching and learning each dep follow strict descipline .Subject allotment for the semester is completed immediately after the end of p semester, this process helps faculty to understand sub get sufficient time to prepare soft and hard copies lectures, solutions of previous question papers alon marking schemes. Solving question papers helps as a m writing answers in exam. One week before the start of schedule, Faculty members undergo rigorous Curriculum E Program called as CEP. In the beginning of the semest copies of syllabi of SPPU uploaded on the Moodle along materials Subject teachers and Module coordinator, to brainstorm on the fulfillment of students requiremen context with subject/syllabus. Faculty prepares teachi and course material as per the syllabus, the course m includes Course outcomes, CO-PO-PSO mapping , teachin teaching tools, hand written notes, assignments, quest for students , Solved university question paper used answers. and the same is uploaded on the Moodle. The material also includes Power point presentations, anim simulations , learning videos for student activities e with conventional chalk and talk teaching methods IC teaching is also inculcated . Analogy, role play et included into teaching techniques. To keep up to date recent trends and technologies ,experts and research invited to motivate students and to give exposure tow trends . Students are motivated to attend workshops, and industry visits . Research activities help stude enhance problem solving capacity by doing rigour investigation and drawing new conclusions Students encouraged for online training and certification whi globally recognized. Department has exclusive Depart

library which allows students to barrow additional b
Department gives freedom to students to select ele
subjects. Before elective subjects are selected by st
insights of elective subject are given to students , wh
to understand the significance.

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

E-governace area	Details
Planning and Development	Planning and Development The Institute has establish Internal Quality Assurance Cell (IQAC) to develop sys consistent, catalytic action to improve upon the acade administrative performance of the institution. IQAC en quality in teaching learning and administrative process critical analysis and feedback response. The institu developed student centric environment for quality educa per institute's quality policy. Enhance the research qua motivational support institute always invite the rese Institute is in plan to start few Centre of Excellence development This in turn again assures the quality imp for the betterment of institute as well as the soci
Administration	For better administration decentralised work patter implemented where office superintended has rights to decision under the control of head of institute
Student Admission and Support	Career Guidance Program conducted in rural area to att students in technical education Free facilitation centr during admission process Support provided to Parents S through digital media during admission process Financia provided to needy students by Management
Examination	24X7 Library facility during internal external examinat Online assessment process for internal exam CO based q paper during internal examination Course in-charge are in library till midnight to clear the students doubt du period

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards me 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 f which membership fee is provided
2019	Suneeta Phadkule	Nill	ASHARE
2019	Ulhas Arun Malwade	Material Research and Technology	--
2019	Aditya Bawane	International conference on Energy city of the futureand	–
2019	Priya	Electrical vehical workshop	–

Year				
	Gokhale			
2019	Aarati dandawate	Teaching and learning methods		–
2019	Dr P. A. Patil	–		ASHARE
2019	Prof. L. N. Mane	–		ASHARE
2019	Prof. A. S Bawane	–		ISHARE
2019	Anjali Pujari	–		ISTE
2019	Mrunali Bhajibhakare	–		ISTE

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6.3.2 – Number of professional development / administrative training programmes organized by the 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)
2020	One Week Online Faculty Development Program on Python 3.4.3	English communication	20/04/2020	24/04/2020	20
2019	Curriculum enrichment programme	Skill enhancement in Office	09/06/2019	15/06/2019	29
2020	Outcome based teaching-learning in engineering	Professional ethics	20/04/2020	02/05/2020	80
2019	Professional ethics and sustainability-IQAC	----	04/05/2020	Nill	35

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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	From Date	To date

	who attended		
FDP on Ardunio IIT Bombay Spoken Tutorial	12	28/04/2020	02/05/20
FDP on LaTex IIT Bombay Spoken Tutorial	10	27/04/2020	02/05/20
Three weeks 8 Credit Course on WhatsApp Outcome Based Education Faculty Development Program organized by DYPCOE, Akurdi	5	24/03/2020	14/04/20
Examination Reforms	25	02/04/2020	06/12/20
Outcome based education	10	04/11/2019	16/11/20
Reactive Power Management, at LT training centre	2	12/03/2020	12/03/20
Curriculum enrichment program	50	09/12/2019	14/12/20
Windows Server 2016 and AWS Cloud	2	18/05/2020	20/05/20
AICTE Training and Learning Academy (ATAL) Faculty Development Program (FDP) on Artificial Intelligence organized by IIIT Nagpur.	2	24/04/2020	28/04/20
CONFLUX International Faculty Awareness Program In Association with Uttejna Technologies	1	11/05/2020	15/05/20

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

Teaching		Non-teaching	
Permanent	**Full Time**	**Permanent**	**Full**
Nill	146	Nill	1

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Studen
Seed money for minor research projects.Group insurance ,gratuity,PPF schemes	Housing loan from multistate bank,free education to children studying in JSPM schools	Group insurance,Sch

6.4 – Financial Management and Resource Mobilization

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

The Management has appointed internal and external auditor. Books of
are maintained under the supervision of Office Superintendent as per
External auditor conducts audit is carried out throughout the year. /
study the activities of the Institution in detail and review the ide
area of operations They check statutory payments –TDS, Professional T;
remittance, Fees Receipts etc. Statutory Audit: Auditor examines the

audit observation. He also review the documents, vouchers and bill finalizes financial statement

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
JSPM management	500000	cultural,social and activities

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6.4.3 – Total corpus fund generated

37366000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Inte
	Yes/No	Agency	Yes/No
Academic	Yes	Appointed by Principal	Yes
Administrative	Yes	Appointed by Principal	Yes

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

1 Meeting of Class teacher with parents at end of first month of each 2. Principal's address to First Year Students' Parent. 3.Many parents organizing social events. 4.Parents working in software industries support in recruitment.

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

1.Training for skill enhancement. 2.English speaking course 3.Involv supporting staff in various committees.

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

.Preparation for NBA accreditation .Innovation in pedagogical initiati develop E content .Upskilling of faculties and students through va certification programs, workshops FDPs.

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	Duration From	Duration To

		IQAC		
2019	Curriculum Enrichment Program(CEP	04/06/2019	04/06/2019	08/06/2019
2019	FDP on Copyrights, Plagiarism and Ethics	12/07/2019	12/07/2019	12/07/2019
2019	Writing research Proposals and Research Papers	03/09/2019	03/09/2019	03/09/2019
2019	NBA Accreditation - Awareness ,Process Challenges	20/08/2019	20/08/2019	20/08/2019
2019	Understanding Performance indicators and maaping with CO	07/09/2020	07/09/2019	07/09/2019
2019	Seminar on Quality Assessment and Evaluation	23/09/2019	23/09/2019	23/09/2019

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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 year)

Title of the programme	Period from	Period To	Number of Part
			Female
Gender Sensitization	27/12/2019	27/12/2019	135
Save Girl Child	04/02/2020	04/02/2020	125

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

Percentage of power requirement of the University met by the renewable energy sour
Institute has installed solar electric system panel of capacity 3KW or of building .The present solar panels generate energy equivalent to 8 power plant. This energy is utilized to run electrical equipment and classrooms.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficia
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Rest Rooms	Yes	Nill
Scribes for examination	Yes	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address	Number of initiatives taken to	Date	Duration	Name of initiative	Issues addressed	

	locational advantages and disadvantages	engage with and contribute to local community						
2020	1	1	31/01/2020	1	Pollution free campus	Plastic ban		
2020	1	1	04/02/2020	1	Eco friendly campus	USe of solar energy		
2019	1	1	17/07/2019	1	Save each drop	Water harvesting		
2019	1	1	03/09/2020	1	Ganpati Immersion	Social responsibility		

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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	01/07/2019	All students will be monitored by faculties department
Faculty handbook	01/07/2019	Faculty members are responsible for their behav management and principal are monitoring the pur amongst faculties.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of p
Yoga day	21/06/2019	21/06/2019	100
Workshop on Plagiarism	14/08/2019	14/08/2019	25
Independence Day Celebration	15/08/2019	15/08/2019	50
Teachers Day Celebration	05/09/2019	05/09/2019	40
Visit to Old Age Home	03/01/2020	03/01/2020	45
Celebration of constitution day	26/12/2019	26/12/2019	15

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

1 Waste water Management/Rainwater harvesting 2.Plantic ban in the 3.Digitization of documents 4.Green campus initiatives 5.Recycle bin campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices Practice 1 1.Title of the Practice: Effective integrati
in Teaching- learning: 2. Goal-To provide personal, academic and caree
 to the students. 3. Context As the world is changing rapidly, ICT is
  crucial role in teaching and learning. Also today's generation dema
   technology use in learning process. Keeping this in mind, facultie
    structuring their courses which are suitable for ICT integration.
    practice: Many faculties are developing their own sites and using l
    management platform like MOODLE, Genomio to disseminate content an
effectively using it for assessment purpose. Its helping the faculty t
 performance of each learner and also the response of learner.IT also
    opportunity to provide quick feedback to learner about their perfo
 Lerner get immediate response where they can improve further. Some f
 have prepared video lectures so that learners can access it from anyw
anytime. It is also helping to those who missed the classes. Some Facu
    integrating mobile devices as they are easily available with most
learners. The faculties are collaborating some activities through soci
Blogs are also important media to collaborate group activities. Digita
 used to give presentations. Google class are also effective tool to
classroom activities and to conduct assessment. All these tools are im
 by faculties whenever required. Many classrooms have smart panels wh
    very helpful to present digital content. Also it is easily used to
    simulation and animation to understand complex processes and engin
  concepts. Institute also promote use of virtual lab and online cours
training purpose. Many learners are collaborating their project work u
Online discussion forums are providing platform for students for peer
    5. Evidence of Success ICT tool Effectiveness LMS Well organized c
     available to students for easy access from anywhere Projector Be
 understanding of concept through visuals You tube video Wide reach of
 Social media Peer learning and learning with ease. Practice 2 1. Titl
 Practice – Mentoring and counselling 2. Goal-To provide personal, aca
 career support to the students. 3. Context- Due to changing technolog
 social scenario, students are finding difficulties to cope up with de
pressures of daily life.IT is necessary to provide them timely help an
to improve their performance and skills in all aspects of life. 4. The
– The Institute has a strong mentoring scheme for the students. It men
 in their personal, professional and also in their social development.
of mentoring is to help them maximize their potential, develop their s
    to inculcate values. Each faculty acts as a mentor/GFM (Guardian F
 Member). He/ She is allocated a batch of 15-20 students in an academi
    The Mentor keeps all the records of the allocated students to know
 academic and socio-economical background He also maintains record o
  overall progress in curricular and co-curricular activities. The st
interact with the faculty at least once in a week. In case of a medica
 or absentee, the student communicates with his/her mentor. The Facul
 monitors their daily attendance and if it is found that they are fre
  absent, the reason is found out and proper counselling is provided t
 academic progress. The progress and observations are conveyed regular
parents through telephonic conversion, SMS, email and personal meeting
    to resolve issues if any. The purpose of the weekly meeting is to d

cordial relation and to build trust within the students. The faculty
review of academic progress of all mentees and discusses issues relat
during the GFM meetings. As faculty is involved personally to help the
on all fronts, these meetings are proving very beneficial to the stude
major role of the faculty is to encourage the students to attend the
regularly and stay focused to achieve their academic goals as well
participate in sports and cultural events to develop an all-round per
The Institute has also appointed a professional counselor to addres
personal, psychological, social, emotional and other problems of the
Academic counseling: Class coordinators and GFM are involved in ac
counseling as many students need guidance in a specific area related
studies. Academic counseling helps them to decide learning strategy
with it effectively. Academic counseling is provided to slow learners
they can cope up with academic challenges and the university examinat
Mentor (GFM) plays an important role to boost their confidence and con
motivates them to achieve their academic goals. Advanced learners
encouraged to participate in technical competition, paper presentatic
also enroll for online certification courses available on MOOC, MOO
various renowned institutes to enhance their domain skill based on
interest. The expert talk of academic counselors is arranged to ass
students to develop an academic strategy consistent with their goals,
and abilities. It also involves making the students aware regardin
academic policies, procedures and requirements. Career counseling:
counseling is provided by HOD, a few senior faculties and the TPC
includes: 1. To make them aware about the various career options with
to strength and weakness. 2. To assess their skills, needs, and inte
order to find a career 3. To help the students explore opportuniti
multidisciplinary fields. 4. To update them about the various TP act
within and outside the campus. The Institute has also appointed a pro
counselor to address the personal, psychological, social, emotional a
problems of the students. The impact of the overall mentoring is obse
many ways. Students feel confident to share their problems without he
Many students improved academically and their engagement in curricu
extra co-curricular activities was enhanced noticeably. Apart from
changes, there has been quality improvement in the campus placement d
last two years. 5. Evidence of Success S.No Type of Mentoring Effecti
Personal High self-esteem, attendance improvement 2 Course specifi
anxiety reduced 3 Academic Drop out ratio decreased, grade improvement
Higher studies and placement is improved

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

https://jspmjscoe.edu.in/storage/NAAC/best%20practice%202019-20.

7.3 – Institutional Distinctiveness

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

Industry perspective curriculum mapping: Project work is one of th
important activity of the curriculum for an Engineering Graduate. Ri
selecting the topic to report preparation , is a journey that has

completed systematically by following standard procedure. Keeping this
,institute is taking special effort to make student aware of project a
right from second year. Under each module, team of subject expert fram
statements and distribute it to the group of interested students . '
comprised of SE to BE students. Based on skill and expertise ,work is
by project mentor to the students. All students are carrying these ac
under different student clubs.The club coordinator monitor the activi
provide infrastructure and resources. These activities provide plat:
students to explore their team work,creativity and management skills.
help them to learn with peer group. The project mentor encourage stud
participate in national and industry sponsored competitions. The men-
the project group to enroll for reputed competitions and prepare doc
These initiative proved very successful in last three years. Many c
participated in AICTE hackathon, KPIT sparkle and many other presti
competitions, Many groups have brought prizes for institute . The tale
student is acknowledged by many companies and they offered jobs to th
imitative created a very competitive atmosphere in every departmen
motivated many student to participate in technical club activities.
gave student confidence to face the job interviews and enhance require
The impact of this there is significant growth in placement for las-
years

Provide the weblink of the institution

https://jspmjscoe.edu.in/

8.Future Plans of Actions for Next Academic Year

The plan of action for the academic year 2020 - 21 includes the follow:
obtain full accreditation for all UG program.: As institute has submit
for all UG programs .Due to pandemic ,the visit was postponed. The inst
aiming to call NBA committee as early as possible,once pandemic is over
provide trained and skilled engineers to meet the current industry dema
the industry expects that graduate should equiped with all necessary s
institute always strive to provide new age technology skills to the stu
achieve this goal ,institute has made many tie ups with well reputed i
and industries. • To provide blended learning experience and use of IC
improve quality of teaching and learning process. :Institute has alrea
adopted all modern techniques to impart knowledge to the learners. It
integrated ICT and other learning tools to enhance experience of the s
To enhance the research culture and entrepreneurship among students. :
Institute has strong Entrepreneurship cell which arranges many worksho
expert talk to inculcate entrepreneurship culture amongst students. • '
enhance collaborative activities with other reputed institute and shar
resources with mutual tie ups. • To extend academic help to assist aca
weaker students. • To improve competency of newly joined Faculties thr
faculty Development Programmes and skills of Technical Staff through r
training program. • To Strengthen Industry/ Institute / Alumni Interac
better placement and internship opportunities. • To engage in more soc
eco-friendly project.