



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

1. Name of the Institution	SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING
Name of the head of the Institution	Kharat Govindrao Ukandrao
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02132-264925
Mobile no.	9860599677
Registered Email	principalspcoe09@gmail.com
Alternate Email	gukharat@gmail.com
Address	at- Dumbarwadi Po-Khamundi Tal- Junnar
City/Town	Pune
State/UT	Maharashtra
Pincode	410504

<b>2. Institutional Status</b>																			
Affiliated / Constituent			Affiliated																
Type of Institution			Co-education																
Location			Rural																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Prof. Rahul S. Bansode																
Phone no/Alternate Phone no.			02132239202																
Mobile no.			9970957573																
Registered Email			principalspcoe09@gmail.com																
Alternate Email			rahulbansodespcoe@gmail.com																
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)			<a href="https://www.spcoe.in">https://www.spcoe.in</a>																
<b>4. Whether Academic Calendar prepared during the year</b>			Yes																
if yes, whether it is uploaded in the institutional website: Weblink :			<a href="https://www.spcoe.in/syllabus/">https://www.spcoe.in/syllabus/</a>																
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.31</td> <td>2018</td> <td>30-Nov-2018</td> <td>29-Nov-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.31	2018	30-Nov-2018	29-Nov-2023
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B	2.31	2018	30-Nov-2018	29-Nov-2023														
<b>6. Date of Establishment of IQAC</b>			01-Jun-2017																
<b>7. Internal Quality Assurance System</b>																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td>practice of pranayama</td> <td>29-Aug-2018 1</td> <td>75</td> </tr> </tbody> </table>						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	practice of pranayama	29-Aug-2018 1	75					
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Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries																	
practice of pranayama	29-Aug-2018 1	75																	

Soft Skill Development	05-Jan-2019 1	63
Personality Development	19-Jan-2019 1	61
Group Discussion on Women Empowerment	12-Feb-2019 1	28
Placement activities	07-Mar-2019 2	200
No Files Uploaded !!!		

**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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

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?**

No

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

Establishment of Center of Excellence in Robotics Process Automation (SAKROBOTICS)

Daily practice of prana yama, by all staff and students.

Introduction of Unit test and remedial coaching.

Introduction of outcome based education.

No Files Uploaded !!!

**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
Skill assessment of the fresher students.	Partly achieved.
Strengthening of mentoring.	Being practised.
Imrpovement of library usage and reading habit.	Reading area is at easily accessible location.
Intensify placement training.	Aptitude training from 5 th semester onwards. It is included in time table.
No Files Uploaded !!!	

**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
College Governing Body	29-Feb-2020

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

Yes

Date of Visit

29-Oct-2018

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2020

Date of Submission

18-Jan-2020

**17. Does the Institution have Management Information System ?**

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

It is a system designed to systematically organize information related to the management of educational development. MIS is responsible for the promotion and use of information for policy planning and implementation, decision making, and the monitoring and evaluation of an education system. As we live in the age of information, the success in

organizing information systems for the development of education lies in the use of information for development. Not using accurate and timely educational information for monitoring development activities results in retarded development. MIS also substantially aids efforts made to assess the performance of an education system. It also closely monitors the equitable distribution of resources, and plays an active role in providing information to top management about the deployment of teachers, student performance assessment, internal efficiency of the education system, resource allocation, and the distribution of didactic materials to institute. On MIS various academic and admin level works are performed. In academics Attendance monitoring, Continuous assessments of students, e resources for students, time table, extra and cocurricular activity, library, examination etc are performed. At admin side faculty and students profile, Institute fees, scholarship record, college level certificates like LC, confide, fee receipt, admission etc.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

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

Institute is affiliated to Savitribai Phule Pune University, Pune and follows the curriculum of SPPU. For effective implementation and execution of curriculum, institute prepares the academic calendar for various activities as per university academic calendar in every semester. To achieve educational goals, principal conducts meetings with all HODs to review academics and curriculum before the start of the semester. The HOD conducts departmental meetings to review the syllabus prescribed by University and to identify the interest area of faculty members for effective curriculum implementation. He assign the workload as per the choice given by faculties, area of specialization, skills and experience. In Departmental meetings, workshops, seminars, guest lectures and other events are planned for the semester according to new trends and industrial demand. The department academic calendar in-line with institute academic calendar is prepared in every semester for effective implementation of curriculum. Portfolios such as Class Coordinator, Examination , Time table, T&P and other coordinators are assigned to the faculty members for academic monitoring purpose. According to the workload distribution, class and laboratory time tables are prepared and displayed on notice board. Faculties are deputed for faculty development programs and various workshops/STTP. Faculty maintains a detailed course file which includes all subject related details for the effective implementation of the curriculum

which are evaluated by Academic Monitoring Committee (AMC) and concerned HoD as per the instruction received by IQAC before commencement of semester. At the beginning of the semester, an introductory session is arranged for students in which they are made aware of the curriculum structure & code of conduct. Along with that, students are encouraged to actively participate in different events during the semester. Faculties are encouraged to impart the curriculum through teaching methods such as Project based Learning, concept attainment, outcome based education strategy etc. Student's attendance and academic progress for individual course is continuously monitored. Internal theory examinations are conducted for theory subjects and mock examination for practical's. The slow and advance learners are identified based on their test performance and class room interactions. Customized support is provided to them through additional inputs like extra lectures, individual counseling, with proper assessment in practical session. Students and faculties are encouraged to take advantage of online courses like NPTEL, SWAYAM etc. College is having the authorized NPTEL Local chapter approved by IIT Bombay. To meet the need of industries and for research exposure, the institute continuously organizes Conferences, Technical Workshops, Seminars, Soft Skill program and Guest Lectures in the field by well-known personalities from industries, research sectors and respective domain. Faculties are also conducting the training courses for students on different subjects. Industrial visits are also arranged for the students. Opinions of experts from industry, academia, alumni and parents are taken into consideration for improving overall curriculum. AMC conducts internal academic assessment in a semester, ensuring achievement of academic outcome. IQAC also conducts Academic and Administrative assessment at the end of every semester to evaluate and ensure quality requirements and provides guidelines to AMC and departments for further improvement.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
No Data Entered/Not Applicable !!!					

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Mechanical Engineering	15/06/2018
BE	Computer Engineering	15/06/2018
BE	Electronics and Telecommunication Engineering	15/06/2018
<a href="#">View File</a>		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Electronics and Telecommunication Engineering	15/06/2018
BE	Mechanical Engineering	15/06/2018
BE	Computer Engineering	15/06/2018

ME	VLSI & Embedded System	02/07/2018
ME	Computer Engineering	02/07/2018

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

Certificate	Diploma Course
No Data Entered/Not Applicable !!!	

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Earn Learn Scheme	01/07/2018	36
Workshop on Mechatronics Automation	06/07/2018	22
Aptitude Training Program	27/12/2018	12
Soft Skill Development	05/01/2019	63
Workshop on Disaster Management	17/01/2019	63
Personality Development	19/01/2019	61
Nirbhay Kanya Abhiyan	21/01/2019	185
Workshop on Data science in R	29/01/2019	47
Workshop on Battle of Backend (Mongo DB)	14/02/2019	39
Workshop on parametric modeling by using creo 3.0 software	16/02/2019	30
<a href="#">View File</a>		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Electronics and Telecommunication Engineering	13
<a href="#">View File</a>		

### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
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The institute is affiliated to Savitribai Phule Pune University and follows all the rules, regulations and syllabus laid down by the university. Institute collects the feedback on curriculum aspects and courses from different stakeholders such as the students, teachers, parents, employers, and alumni to evaluate and enhanced the quality of teaching-learning and other academic and administrative processes. Feedback regarding teaching learning process is shared and discussed to the respective faculty members for the improvement and self-analysis. As per need faculties are deputed for various workshops, training Programmes and FDP's. They are motivated to undergo for various online courses. For excellent feedback for teaching and results for the subjects institute appreciate the faculty members. Institute also collects the feedback from all stakeholders on different parameters of the institute for the development of the institute and it is conveyed to management through proper channel. The feedback policy provides an opportunity to students and stakeholders to actively participate in the continual improvement of programs through recognizing, documenting, supporting and extending good practices for effective implementations of curriculum provided. Institution has been employing Academic Monitoring Committee (AMC) in order to ensure and analyze the academic excellence enrichment at student and faculty levels. Periodical analysis is made by AMC based on student performance as well as faculty performance in each semester and assures effective utilization of infrastructure. The college maintains an IQAC as a quality consistence and quality enhancement measure. IQAC carefully reviews the curriculum for every academic year. In support to IQAC, various departments and committees like student development, feedback, Cultural and sports, Anti-Ragging and Sexual Harassment Committee, etc. ensuring student welfare by integrating updated information and social issues. The institute conducts annual Alumni Meet, in which suggestions and feedback is received from alumni and from parents during parents meets. Feedback from industrial experts, research scholars and professionals is obtained, which are used for deciding upon incorporating new value added courses. The feedback data is shared during academic review meetings for necessary corrective actions.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
ME	E &TC	24	6	6
ME	Computer	24	7	7
BE	DSE Mechanical	70	29	29
BE	DSE E &TC	69	16	15
BE	DSE Computer	66	12	9
BE	FE Mechanical	30	0	0
BE	FE E&TC	30	1	0
BE	FE Computer	30	0	0
<a href="#">View File</a>				

### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers
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	in the institution (UG)	in the institution (PG)	available in the institution teaching only UG courses	available in the institution teaching only PG courses	teaching both UG and PG courses
2018	182	33	28	4	6

## 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
38	38	4	7	4	5

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

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

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

Yes, Teacher Guardian Scheme is implemented in the institute wherein 6 to 7 students are assigned to a faculty member who acts as their mentor for the entire pro Program duration. Mentor regularly interacts with the students and monitor their academic performance and attendance. Students are counseled by the mentors, class advisors, subject faculties and HOD for improving their academic performance and attendance. Mentors and Class Advisors counsel the students regarding their performance and schedule additional lectures/practical's. At first year level, students academic and personal issues of concern are well looked after by the class adviser/mentors. The critical cases are handled by first year in charges. This way the students realize their responsibilities at the early stage itself. Mentoring system is followed by all departments from the second year onward. Students are supported through remedial coaching classes and mentoring. Final year students are provided with mentoring from passed out students/Alumni to help them analyses job profiles and career options after completion of their graduation. Visiting and Guest lecturers also mentor students regarding overall development and further educational courses after graduation. Alumni committee is established to bridge the gap between current batch students and pass out for employability skills enhancement required in industry. Students are encouraged to participate in various Seminars, Workshops Symposiums. Subject wise special remedial classes are provided for slow learners. The mentors extends various support to students, such as- • Grievance Redressal Cell has been set up for listening and execution of complaints of students. • Placement cell has been set up to provide placement services related information to Bachelor students. • Co-curricular and cultural events are organized. • Periodical Seminars and workshops are conducted for all students. The students who are little slow in their grasping as compared to their counterparts are identified on the basis of their class participation, pass percentage, classroom performance, and regularity in submission of assignments, punctuality and personal interactions. The institute through its teachers handles it sensitively, and pays required attention to learners with various paces. The institution adopts following strategies for facilitating and motivating the identified slow and better learners. For Slow Learners: • Every department organizes a series of programmes like remedial classes, mock test, debates, group discussions, proficiency and personality development workshops. • The Mentors are appointed to meet the needs of the slow learners. They provide them personal, academic and social counseling. • The mentors help the students, particularly slow learners to develop their personality and move ahead. Class Coordinator is appointed for every class to take special care, to monitor, guide, and help the slow learners improve. For Advance Learners: On the other side, the institute also identifies, the advance learners, and work on them as per the requirements. Advanced learners are facilitated with state of the art facilities in terms of well-equipped library provided with latest edition of books, online journals, computer labs, internet and other amenities. Co-curricular or extra co-curricular activities encourage participative learning approach. Advance learners are also encouraged to take up internships.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
215	38	1:6

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
38	29	0	9	1

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Null	Assistant Professor	Null
2019	Null	Assistant Professor	Null
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	632224510	I	29/12/2018	12/02/2019
BE	632261210I	I	29/12/2018	12/02/2019
BE	632237210	I	29/12/2018	12/02/2019
BE	632224510	I	13/12/2018	14/02/2019
BE	632261210	I	13/12/2018	14/02/2019
BE	632237210	I	13/12/2018	14/02/2019
BE	632224510	I	12/12/2018	24/01/2019
BE	632261210	I	12/12/2018	24/01/2019
BE	632237210	I	12/12/2018	24/01/2019
BE	632224510	I	11/12/2018	28/01/2019
<a href="#">View File</a>				

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

Yes, Institute follows continuous internal evaluation system at departmental level. Each department has Exam coordinator for smooth conduction of different internal exams. All internal Exam are conducted as per the academic calendar prescribed by the institute. In Every semester, two unit tests are conducted as per the classes among with that seminars and project demonstrations are carried out for TE and BE classes for assessment of project work. Before conduction of each unit test syllabus coverage of each subject is assessed. And according to status of syllabus, unit Test are planned and executed as per the academic calendar. Notices are displayed and circulated among the student before conduction of these exams. Students are also made aware of Rules and Regulation of examination. The question paper pattern and marking scheme is discussed in the classroom before examination by concern faculty. Papers are assessed after examination by faculty members and answer sheets are available to students. Students queries related to assessment are addressed by concerned faculty member. After finalizing of marks, results are displayed on notice board. Periodically assignments are given to student throughout the semester and these

assignments are checked from time to time and returned to student for their reference. Based on the input from mentors, if required the continuous evaluation process is modified by HOD after consultation with all the departmental staff. Result is analysed after each unit test and student's performance in each subject is evaluated and results are discussed in departmental meetings. If results are poor in a particular subject, instructions are given to concerned faculty member and appropriate steps are taken to improve the result. The results of internal evaluations are communicated to head of the institution from time to time.

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

University provides academic calendar every year comprising of commencement, conclusion of teaching and theory /practical/oral examination schedule. Based on university academic calendar, Institute prepares its own academic calendar and various departments prepare timetable for their respective classes and under graduate as well as post graduate program. This academic calendar includes proposed theory and practical/tutorials sessions, test schedules, expert talks, industrial visits, technical activities, mentoring sessions and extracurricular and co curricular activities. Classes commence as per the academic calendar and time table. Teaching plan for each course is prepared by respective faculty of theory practical classes. Departmental head monitors the conduction as per the schedule. If any discrepancy is found, alternate arrangements are made and corrective actions are taken by HOD. Regular departmental meetings are conducted so as to review the syllabus completion and other departmental issues. It is ensured that, extra lecture are conducted for completion of syllabus if required. Internal as well as university examination are conducted from time to time as per schedule. Unit wise Test Assignments are conducted by the Respective Staff member. Result analysis is prepared after exam and displayed on the notice board. Co curricular activities are executed as per the academic calendar which includes, expert lectures, technical workshops, seminar, project demos, industrial visits, conference. Along with these activities extracurricular activities are planned and followed as per the academic calendar. These activities include NSS camps, blood donation camps, tree plantation, cleanliness drive, health awareness programs, celebration of Birth and death anniversaries of national idols, disaster management programs, earn and learn schemes, cultural gathering and sport events.

## 2.6 – Student Performance and Learning Outcomes

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

<http://spcoe.in/cos-and-pos-comp-e&tc-mech/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
632237210	BE	BE E &TC	20	18	90.00
632261210	BE	BE Mechanical	19	17	89.47
632224510	BE	BE computer	29	27	93.10
<a href="#">View File</a>					

## 2.7 – Student Satisfaction Survey

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

<http://spcoe.in/sss>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	365	The Technopolitans	15000	15000
<a href="#">View File</a>				

### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Introduction to Intellectual Property Rights	Mechanical	23/03/2019
Two Days State Level Workshop On Six Sigma Lean Manufacturing Technology	Mechanical	23/02/2019
Workshop on parametric modeling by using creo 3.0 software	Mechanical	16/02/2019
Two Days State Level Workshop On Mechatronics Automation	Electronics and Telecommunication	16/07/2019
Workshop on Solar Panel Installation and Developing the LED tube light and bulbs.	Electronics and Telecommunication	09/03/2019
Workshop on Battle of Backend (Mongo DB)	Computer	14/02/2019
Workshop on Data science in R	Computer	29/01/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Spot Photography in Pune University Youth Festival	Mohammad Zishan	Savitribai Phule Pune University, Pune	29/10/2018	3 rd Rank
Techmanthan-19 Poster Presentation	Mule Tushar	Jayawant Shikshan Prasarak	30/01/2019	2 nd Rank UG Level

		Mandals Group Of Institutes, Hadapsar, Pune.		
Technothon 2K19 Project Competition	Mule Tushar	Padmabooshan Vasantdada Patil Institute of Technology, Bhavdhan, Pune.	23/01/2019	1 st Rank UG Level
State Level Con ference/Event Recent Trends in Science and Technology	Mule Tushar	Samarth Group of Institutions College of Engineering, Pune.	19/03/2019	1 st Rank UG Level
<a href="#">View File</a>				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start- up	Date of Commencement
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

### 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
0	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Electronics and telecommunication	17	6.64
National	Computer	34	5.64
National	Mechanical	6	6.26
<a href="#">View File</a>			

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

Department	Number of Publication
Mechanical	6
Computer	34
Electronics and telecommunication	17
<a href="#">View File</a>	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A for Psychological disorder detection with voice command using NPL and Machine learning	Hemant Bagade/ Prof.K. S. Kore	IJMTE	2019	0	SPCOE, Otur, Pune	0
Psychological disorder detection using NLP and Voice command: an overview	Hemant Bagade/ Prof.K. S. Kore	IJEDT	2019	0	SPCOE, Otur, Pune	0
Fast transfer and Secure data minimisation with secure transmission approach using various encoding technique	Dabhade Jyoti Goraksh/ Prof. Kore Kunal Sidramappa	IJMTE	2019	0	SPCOE, Otur, Pune	0
Protecting e-health record with data sharing in public cloud	Pansare kalyani Baban/Prof Kurahde N V	IRJET	2019	0	SPCOE, Otur, Pune	0
Cost-effective prediction and recommendation on transactional data set overview.	Kavita Mogal/ Prof Kurahde N V	IJIRCCE	2019	0	SPCOE, Otur, Pune	0
Addressing interpretability and	Kavita Mogal/ Prof	IJIRSET	2019	0	SPCOE, Otur, Pune	0

cold start in matrix factorisation for recomendor system.	Kurhade N V					
identifica tion of cold start in matrix factorisat ion for FIM based recomondat ion system	Kavita Mogal/ Prof Kurhade N V	IJMTE	2019	0	SPCOE, Otur, Pune	0
text analytics and catego risation via natural language processing (NLP)	Patil Kiran Sanj ay/Prof Kurhade N V	IJMTE	2019	0	SPCOE, Otur, Pune	0
Experiment al Result Analysis of text Ca tegorisati on using clustering and clasof ication algorithms	Patil Kiran Sanj ay/Prof Kurhade N V	IJTSRD	2019	0	SPCOE, Otur, Pune	0
Experiment al analysis and validation of staggered dropped and circular pin fin in one direct ional and two direction force convection	Gorde N B and Dr C. shreeramsh atri	JETIR	2019	0	DYPSOEA Ambi	0
<a href="#">View File</a>						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations	Institutional affiliation as
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					excluding self citation	mentioned in the publication
0	0	0	2019	0	0	0
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	0	0	0
Presented papers	0	57	0	0
<a href="#">View File</a>				

### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Swachata Abhiyan	NSS	17	35
Teachers Day	NSS	15	55
Ganesh Chaturdashi	NSS	13	67
Engineers Day	NSS	16	61
Mahatma Gandhi Jayanti	NSS	12	56
Savitribai Phule Jayanti	NSS	15	59
Dr. Babasaheb Ambedkar Punyatithi	NSS	18	61
Jijamata ani Swami Vivekanad Jayanti	NSS	13	58
Yoga Divas	NSS	16	72
Shiv Jayanti	NSS	15	84
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#### 3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Youth Festival	Certificate	Savitribai Phule Pune University, Pune and Ramkrushna More Arts, Science and Commerce College, Akurdi, Pune	13
Spot Photography in Pune university Youth Festival	Certificate	Savitribai Phule Pune University, Pune	1



Techmanthan-19 Poster Presentation	Certificate	Jayawant Shikshan Prasarak Mandals Group Of Institutes, Hadapsar, Pune.	1
Technothon 2K19 Project Competition	Certificate	Padmabooshan Vasantdada Patil Institute of Technology, Bhavdhan, Pune.	1
State Level Conference/Event Recent Trends in Science and Technology	Certificate	Samarth Group of Institutions College of Engineering, Pune.	1
<a href="#">View File</a>			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	NSS	Swachhata Abhiyan	17	35
Gender Issue	SPCOE/Pune University	Nirbhay Kanya Abhiyan	21	61
<a href="#">View File</a>				

### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Guest lecture on Hyperloop one	Mr. Akshay Joshi	College	1
Guest lecture on Advancement in six sigma	Mr. bhushan ambekar / Mr. Abhijit Hole	College	1
Guest lecture on Carrer Guidance	Mr. Prashant Jagadale	College	1
Guest lecture on VLSI Design Technology	Prof. Vivek Shrivastav	ISBMSOE, Pune	1
<a href="#">View File</a>			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant

Internship training	Internship training	Aum Electro technology Pvt. Ltd.	01/06/2019	30/06/2019	Ms. Supriya Gorakshanath Padwal
Internship training	Internship training	Aum Electro technology Pvt. Ltd.	01/06/2019	30/06/2019	Mr. Vishal Kaluram Shrikhande
Internship	Internship	GB Softronics	20/06/2019	05/07/2019	Miss Snehal Janyabhau Borude
Industrial training	Industrial training	Colortrak Services Mumbai	30/05/2019	28/06/2019	Abhijit Sunil Dongare
Industrial training	Industrial training	Colortrak Services Mumbai	30/05/2019	28/06/2019	Akash Kishor Kale
Industrial training	Industrial training	Colortrak Services Mumbai	30/05/2019	28/06/2019	Vishnu Sambhaji Bhogade
Industrial training	Industrial training	Colortrak Services Mumbai	30/05/2019	28/06/2019	Akash Rajendra Aher
Industrial training	Industrial training	Colortrak Services Mumbai	30/05/2019	28/06/2019	Umesh bhagwan Mandavkar
Industrial training	Industrial training	Vatsala Enterprises Thane	29/05/2019	17/06/2019	Miss Karuna P Raghuvanshi

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
TechnoJack Infosolutions	02/07/2018	Workshop on Battle of Backend (Mongo DB)	39
Sak Robotix Lab	20/08/2018	Establishing Robotics Research Center	20

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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1150000	1114404

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
------------	-------------------------

Others	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
<a href="#">View File</a>	

## 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 automation
Vridhhi	Fully	2.0	2019

### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	8551	2550627	4	2370	8555	2552997
Journals	28	75600	40000	19470	40028	95070
CD & Video	300	15000	210	10500	510	25500
Weeding (hard & soft)	25	625	10	350	35	975
Others(spe cify)	214	42092	81	19896	295	61988
Reference Books	1775	852000	0	0	1775	852000
e-Books	25000000	19470	600	0	25000600	19470
e-Journals	5000	19470	350	0	5350	19470
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### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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	Available Bandwidth (MBPS/GBPS)	Others
Existing	215	8	2	1	1	1	3	50	0
Added	25	0	0	0	0	0	0	0	0
Total	240	8	2	1	1	1	3	50	0

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

50 MBPS/ GBPS
---------------

#### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
spcoe media center	<a href="http://www.spcoe.in/media_center/">http://www.spcoe.in/media_center/</a>

### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
10000000	9106321	26000000	25883390

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

<p>Computers and other equipment in different laboratories ? The college has adequate number of computers with high speed internet connection and the application software's. ? System up gradation carried out according to the requirement of software. ? At the end of every semester stock verification of departmental laboratories is carried out by staff and respective lab in charge to check out minor, major faults and misplacement of the instruments under supervision of head of department. ? Minor and major faults are listed out and maintenance of minor faults is solved by lab assistant. ? Maintenance of major faults is carried out by external sources ? Once all maintenance is completed lab in charge, subject teacher and lab assistance take the demo on the instrument and submit report to HOD. ? The sensitive equipment's are covered and stored in cupboard immediately after the use. Classrooms ? The maintenance of switches, fans, tube light, and furniture are done on regular basis. ? The maintenance of desk and benches is done on regular basis. Library ? At the end of each academic year the stock verification of books in the library is carried out. ? Any queries found are informed to the principal and issues are sorted out. ? Regular maintenance of book is carried out such as binding of books.</p> <p><a href="http://spcoe.in/maintenance/">http://spcoe.in/maintenance/</a></p>
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### CRITERION V – STUDENT SUPPORT AND PROGRESSION

#### 5.1 – Student Support

##### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
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Financial Support from institution	Vilas Tambe Scholarships	161	3546665
Financial Support from Other Sources			
a) National	FREESHIP and SCHOLARSHIP	144	4157386
b) International	Nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft skills	05/01/2019	63	Prof. Tarique Inamdar (9960994959)
Language and communication skills	30/07/2018	227	College Professors
Personel Counselling	30/07/2018	227	All faculty Menbers
Bridge Courses	06/07/2018	559	Details are Available in attached excel sheet
Yoga Meditation	22/09/2018	117	Mr. Ajit Nalawade (7350040999)
Remidial Coaching	30/07/2018	15	All faculty Menbers
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Gauest lectures seminar	43	47	0	31
<a href="#">View File</a>					

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

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

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
YAZAKI India PVT LTD, LG Electronics Pune	200	73	Details available in attached excel sheet	31	31
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	3	SPCOE	ETC	SPCOE	VLSI Embedded
<a href="#">View File</a>					

**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
No Data Entered/Not Applicable !!!	
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#### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Singing	Institute Level	11
Solo Dance	Institute Level	9
Group Dance	Institute Level	10
Drama	Institute Level	15
Chess	Institute Level	10
Carrom	Institute Level	12
Badminton	Institute Level	15
Kho-Kho	Institute Level	26
kabaddi	Institute Level	28
Cricket	Institute Level	48
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
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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)

SPCOE objective is to globular development of the students. From academic year 2011-12, SPCOE has constituted the student council. The primary objective of creating Student Council is to incorporate and accommodate the students from all departments to provide a platform to tackle their creative activities in an integrated manner. The organization objective is to promote cooperative and valuable leadership within student association at the Student council. There are Student bodies, functional unit and Interest Based units along with the student council to keep students engaged in activities apart from their regular academic work and to network and to showcase their talents. In current academic years, SPCOE students have participated in many reputable collaborative Competitions like national conference, Paper presentation, Project competitions, and many others organized by leading corporates. The students also coordinate the seminars and Workshops of well-kwon personalities which are held in the college. These provide a platform for the students to represent their management Skills. Apart from them, we also have events and competitions conducted by the various student cells which keep the students active throughout the year. A number of events are organized by the student under the guidance of faculty like Sports, National service scheme, blood donation camps, annual cultural fest, etc. Students participate in number of co-curricular activities. Most of the committees includes students representation.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institute has a Functional Alumni Association From 2013 and Registered Alumni Association From 2018. Alumni Association contributes actively to the growth of the institution. To encourage entrepreneurship development with the help of alumni network, Alumni conduct guest lecture in college about Carrier Guidance, Personality Development, How to face Interview. They share Vacancy in Market on Google group spcoe.alumni@googlegroups.com. They placed student by their reference. Alumni also help in Admission Process of College. Feedback regarding curriculum are collected from alumni. Most of the suggestions given by various stakeholders are communicated to concerned persons during up gradation of curriculum. Role of alumni in academic development is to help the students to get sponsored projects and in plant training. An alumni meeting helps in understanding the various expectations and feedback about institute policies for quality assurance.

5.4.2 – No. of enrolled Alumni:

83

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meet (2019) was organized on 25th jan at 7.00 pm at Sharadchandra Pawar College of Engineering Dumbarwadi. Principal along with Head of Departments and Governing body members of College Alumni were present. Total participation for the event was 78 including Alumni and faculties. The event started with an open house where alumni interacted with the College faculties and they also visited the department. A cultural program was presented by students of the college. There was an open session where the alumni participated with full zeal and enthusiasm to relive the old memories of the time spent in the college. The



Alumni Meet was smoothly organized as per the schedule and concluded with dinner at 10.30 pm.

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

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

**IQAC:** IQAC is an apex academic committee in the institutes responsible for institute politics, rules and regulations. IQAC conducts Academic and Administrative assessment at the end of every semester to evaluate and ensure quality requirement and provide guidelines to AMC and departments for further improvement of academic quality. Academic monitoring Committee (AMC) and concern HOD as per instruction received from IQAC, prepare detailed course file, academic calendar for the department, departmental time table, examination schedule etc. IQAC monitors the functioning and schedule of various institute committees with reference to institute academic calendar. Conduction of theory and practical classes as per academic planning, conduction of theory and practical session, efforts taken for welfare of all the staff holders, TP activities, student's grievance committee, anti-sexual harassment committee, sports and cultural committee works under the guidance and regulation of IQAC.

**NSS: National Service Scheme (NSS):** The NSS is an Indian government sponsored public service program. Its primary aim is personality development through social (or community) service. The NSS motto is "Not Me, Not You, but We". They are managed internally by NSS committee of our institute. NSS has given us a platform to develop a sense of social and civic responsibilities in students and society, to use their knowledge in finding practical solutions to individual and community problems, to develop capacity to meet emergencies and natural disasters, to bring happiness and smile. Institute has a very dynamic NSS unit to address all above issues. In this regard meeting of HOD's and NSS coordinator was arranged by Principal and there is NSS committee formed at Institute level for effective functioning. Student's members are added in committee as per university norms.

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

Yes

### 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	<p>To improve institute admissions various efforts are taken such as, banner at prominent locations in the area. College magazine, departmental newsletter, student counseling, placement activities, student internship program, workshop from industry person etc. The institution follows AICTE, DTE norms and the rules of the Government of Maharashtra for admission of students. The seats are filled on merit basis through MHT-CET. Competent authority publishes due notification for 12th std. students after declaration of results to fill an application form. Based on schedule</p>



prescribed by DTE, the seats are allotted to the students based on their JEE and CET rank secured.

#### Industry Interaction / Collaboration

The college has signed MoU with industries for Internships and placement. Guest lectures and workshops are organized by Industrial experts. Certificate courses are conducted which are in accordance with the needs of the industry that enhance the related skills of the students. Institute has tried to standardize the different processes in order to strengthen interaction with industry. At the start of semester, every subject teacher has to plan industrial visit and expert talk by industry expert by providing all the details to the department such as industry details, planned date of conduction, budget required for the same, etc.

#### Human Resource Management

At the entry level proper selection process is adopted to ensure the quality staff appointed in the institute as per AICTE norms. • To improve the quality of the staff, workshops/Seminars/Conferences etc. are conducted to update their skills and knowledge. • Many benefits are given to the staff like Study Leave, Vacation, Medical leave, Maternity Leave (Female Staff), timely salary/increments/D.A. etc. • The performance based appraisal of all faculties is provided by the institute. • The institute has training and Placement cell to identify current industry requirement and conduction of training programs for the students.

#### Library, ICT and Physical Infrastructure / Instrumentation

Library: The central library of the college includes the textbooks, reference books, national and international journals. In addition there are departmental libraries to provide easy and quick access of resources to students. ICT: Smart classrooms of each department are fitted with LCD projectors, internet connection Digital Library access. Physical Infrastructure: -Adequate seminar halls with audio-visual and video-conferencing facility, central library, department libraries, sports center, canteen, adequate vehicle parking space for students and Staff. - CCTV cameras are installed in laboratories, classroom, corridors

	<p>prominent places. Adequate numbers of fire extinguishers at vantage points are kept.</p>
Research and Development	<p>The ultimate aim is to create awareness for Research and Development among faculty members and students and to motivate them to take up research projects to inculcate research attitude in students. Motivate and facilitate students and faculty to solve social challenges through technological innovations. Institute conducts Lectures, workshops to create awareness and protects Intellectual property rights of Faculty and students. Institute promotes and supports faculty and students for publishing their research work. In A.Y.2018-19 overall 57 papers published in journals and conferences by faculty and students.</p>
Examination and Evaluation	<p>Institute has a mechanism for conduction of examination by Controller of Examination who is responsible for planning and execution for both In Sem, End Sem, online and Oral /Practical examinations. Students are informed in advance about the evaluation methods. Apart from the examination conducted by SPPU, the institute insists every department to conduct unit test. Taking that practice forward, subject teachers organize test after the completion of every unit, the answers sheet evaluations is done by subject teacher. The Term Work/internal marks are awarded on the basis student performances in the tests conducted, attendance and class performance throughout the semester.</p>
Teaching and Learning	<p>All the departments of the Institute prepare the academic calendar in tune with the Institute academic calendar. HoDs monitor the effective implementation of teaching plan adherence to academic calendar .The The institute has well defined process for identification of slow advanced learners. Faculty takes efforts to empower them to perform better, by means of various activities. Coverage of the curriculum as per the syllabus continuous assessment of the practical's. Faculty conducts the project and seminar presentations and also attained the NPTEL online course lectures. Conduction of the unit tests as per the plan and analysis of test</p>

results.

#### Curriculum Development

The institute follows the curriculum provided by the SPPU. The institute implements curriculum through HoD and faculty members which is monitored by IQAC. The emphasize is made on motivating the faculty to identify and bridge the gap in curriculum. To attain Program Outcomes and achieve institute Short term Long term goals, necessary steps are taken. The institute encourages and provides facilities for every faculty to actively participate in the syllabus preparation/discussion, meetings conducted by Board of Studies (BoS) at SPPU level. Institute provide platform for Curriculum development by hosting workshops and seminars at college as per the university guidelines.

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

E-governace area	Details
Planning and Development	Yes
Administration	Yes
Finance and Accounts	Yes
Student Admission and Support	Yes
Examination	Yes

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Prof.Bankhele N.B	NPTEL FDP	IIT BOMBAY	1200
2019	Prof.Auti V.R	NPTEL FDP	IIT BOMBAY	1200
2019	Prof.Gholap P.S	NPTEL FDP	IIT BOMBAY	1200
2018	Prof. Patil.S.C	B.E.COMP(LP-II) FDP	D.Y.P.IOE.Akurd i, Pune	1000
2018	Prof.Chinchole M.G	Workshop(Virtual Learning)	COEP, Pune	410
2018	Prof.Kale S.S	B.E.COMP(LP-II) FDP	D.Y.P.IOE.Akurd i, Pune	1000
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the	Title of the	From date	To Date	Number of	Number of
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	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2018	In-house induction training program on Teaching Learning Process	---	15/06/2018	15/06/2018	17	0
2018	Two Days State Level Workshop On Mechatronics Automation	---	06/07/2018	07/07/2018	12	0
2019	Workshop of operations on Lath Machine	---	15/01/2019	15/01/2019	15	4
2019	Disaster Management Scheme	---	17/01/2019	17/01/2019	17	12
2019	Workshop on Data science in R	---	29/01/2019	31/01/2019	10	0
2019	Workshop on Battle of Backend (Mongo DB)	---	14/02/2019	15/02/2019	9	0
2019	Workshop on parametric modeling by using creo 3.0 software	---	16/02/2019	17/02/2019	10	0
2019	National Conference on "Recent Innovations in Engineering and Technology" MOMENTUM -19	---	22/02/2019	23/02/2019	20	0
2019	Two Days State	---	24/02/2019	25/02/2019	5	0

	Level Workshop On Six Sigma Lean Manufacturing Technology					
2019	Workshop on Solar Panel Installation and Developing the LED tube light and bulbs.	---	09/03/2019	10/03/2019	4	0
<a href="#">View File</a>						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
NPTEL FDP on Introduction to Coding Theory	1	27/01/2019	17/04/2019	123
NPTEL FDP on Advanced Transition Metal Organometallic Chemistry	1	27/01/2019	17/04/2019	123
NPTEL FDP on Cloud Computing	1	27/01/2019	17/04/2019	123
Workshop on NPTEL	1	29/11/2019	29/11/2019	1
FDP on Software Testing and Quality Assurance	1	17/07/2018	17/07/2018	1
Workshop on Interactive Virtual Learning for Industrial Automation	1	16/07/2018	17/07/2018	2
FDP on Data Mining and Warehousing	1	16/07/2018	18/07/2018	3
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
38	38	12	12

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> <li>Employee Provident Fund</li> <li>Group Insurance Scheme</li> <li>Loan facility from Bank</li> <li>Free Transportation facility in college bus</li> <li>Conduction of Yoga Sessions for employee</li> <li>Conduction of Health awareness program</li> <li>Medical and Maternity Leaves</li> <li>Advance payment to staff member to meet their emergencies</li> <li>Gymnasium facility</li> </ul>	<ul style="list-style-type: none"> <li>Employee Provident Fund</li> <li>Free Uniform</li> <li>Conduction of Health awareness program</li> <li>Free Transportation facility in college bus</li> <li>Gymnasium facility</li> </ul>	<ul style="list-style-type: none"> <li>The institute offers earn learn scheme,</li> <li>The management offers Vilas Tambe Foundation scholarship to students</li> <li>Nirbhaya Kanya- a seminar on self-defense for girl students</li> <li>Permission to pay fees in installments for economically weaker students.</li> </ul>

### 6.4 – Financial Management and Resource Mobilization

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

The college has the mechanism for internal and external audit as per details given below: Internal audit: Expenses are get verified in accordance with the budget approved. An internal approval system for all expenses is in practice. The account section of the institute does the financial audit internally at institute level, once in a year. Accordingly, every departmental expense are approved by the Principal and then audited by an Internal Auditor. External Audit - Total incomes and expenditures of the college are audited every year by External Qualified Chartered Accountants. All details regarding the audit are get maintained in account and finance department of institute. Based on audit analysis IQAC plans the next academic year financial budget and submits to management

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Vilas Tambe Foundation	3522665	To provide scholarship to student year wise
<a href="#">View File</a>		

#### 6.4.3 – Total corpus fund generated

3530165
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### 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Sharadchandra Pawar College	Yes	IQAC

		of Pharmacy		
Administrative	Yes	Sharadchandra Pawar College of Pharmacy	Yes	IQAC

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

Parent – Teacher Association is functioning well in the Institution. • Fruitful suggestions from parents during the parents meeting have empowered the administration to recognize their hopes and implement their suggestions for then healthier functioning of the institution. • Syllabus feedback from parents is collected in the prescribed format, analyzed and used for further development of the academics • Additionally, when there is a requirement regarding disciplinary problem or poor performance of student, the parents are contacted over the phone and counseling is held. • Parents from industrial sector supports for enhancing industry institute.

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

• ETC Department –Measuring and testing equipment in the labs. • Computer Department- Introduction to basic operation of computer Microsoft Office. • Mechanical Department-Introduction and hands on practice for basic operation of workshop equipment.

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

• Improving academic involvement of students. • Providing guidance for career development. • Encourage staff and students for attained the NPTEL online courses. • Encouraging students for participation in competitive examinations. • Providing platform to participate in cultural, sports and co-curricular activities. • Facilitating faculty for attending FDP, Conference etc.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Practice of Pranayama	29/08/2018	29/08/2018	29/08/2018	75
2019	Soft Skill Development	05/01/2019	05/01/2019	05/01/2019	63
2019	Personality Development	19/01/2019	19/01/2019	19/01/2019	61
2019	Group Discussion on Women Empowerment	12/02/2019	12/02/2019	12/02/2019	28
2019	Placement activities	07/03/2019	07/03/2019	07/03/2019	120

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**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES****7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Personality Development	19/01/2019	19/01/2019	49	12
Group Discussion on Women Empowerment	12/02/2019	12/02/2019	16	12
Nirbhay Kanya Abhiyan	21/01/2019	05/03/2019	35	18

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

Percentage of power requirement of the University met by the renewable energy sources
<p>The institute has taken many initiatives towards environmental consciousness and power saving through implanting non-conventional energy sources and green audit is conducted every year. A] Environmental Consciousness: 1. Tree plantation activity 2. E- waste collection in college campus 3. Plastic Free Campus B] Energy Conservation: 1. Use of LED light ( 90 percent power requirement met through LED ) 2. Solar Panel ( 15 KW energy generated by the source)</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Ramp/Rails	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	0	1	16/12/2018	07	National Service Scheme winter Campaign	Development of youth nation, women empowerment	30
2018	0	1	24/09/2018	01	Swachhata Abhiyan	Encouraging local community	52



						for accepting following green practices	
2018	1	0	30/06/2018	365	Bus transportation Facility	Comfortable transportation for students from local community	215
2018	1	0	17/12/2018	01	Health Camp for Rural area-Basti, Junnar	Hygiene awareness of bad habits	30
2018	1	0	20/12/2018	01	Organic Farming Fertilizer-Basti, Junnar	Awareness of hazardous chemicals yield profitably	30

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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 (Handbook)	28/08/2018	as per the norms, disciplinary rules of various aspects for both the teachers and students are implemented. About the staff: the personnel policies and procedures, rules and regulations to be followed by staff, professional ethics, employee benefit plans, and facilities. Mandatory Aspects for Students: To be punctual in class-room, wear I-card uniform, Maintain discipline in the college campus. Attendance: As per the SPPU, Pune norms, attendance should be more than 75 percent.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day	15/08/2018	15/08/2018	215

Teachers Day	05/09/2018	05/09/2018	46
Yoga and Meditation	22/09/2018	22/09/2018	117
Ayurveda Dincharya Rutucharya	18/10/2018	18/10/2018	59
NSS Camp	16/12/2018	22/12/2018	30
Republic Day	26/01/2019	26/01/2019	215
<a href="#">View File</a>			

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

1. Tree Plantation 2. Swatchhata Abhiyan 3. Paperless office 4. Plastic Free Campaign 5. E- waste management:- Electronic goods are put to optimum use. The E-waste is gathered stocked at assigned place. at periodical interval it is disposed.

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

College has successfully implemented two institutional Best Practices. These are 1. NSS Activity 2. Financial Assistance Scheme for students

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

[http://www.spcoe.in/best\\_practices/](http://www.spcoe.in/best_practices/)

## 7.3 – Institutional Distinctiveness

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

Institutional distinctiveness: NPTEL Local Chapter College has started NPTEL local chapter which is under the guidance of Principal to head towards the vision of institute and to give excellence in education to students.

Provide the weblink of the institution

[http://www.spcoe.in/institutional\\_distinctiveness/](http://www.spcoe.in/institutional_distinctiveness/)

## 8.Future Plans of Actions for Next Academic Year

Institute has been initiating and implementing various activities to assure and improve quality in the different aspects of academics, co-curricular and extracurricular activities, faculty development. Another aspect, institute is focusing is social exposure to students and faculty by conducting extension activities. In view of the vision, mission and core values, institute has planned for following initiatives • .Firm up collaborations to bridge the gap between academia and industry. Industry is the major stake holder of technical institution. Continuous interaction between technical institution and industry is an essential requirement to enhance an employability of engineering graduates. Institute has been in association with various industries and providing very good industrial exposure to the students. In order to sustain and enhance the interaction with the industries, Institute has planned to focus on interaction with industry with the involvement of every faculty and students as well. Also, planned to firm up association with industry by signing MoU for formal collaboration. More focus through interaction with industry will be to motivate students for industry sponsored projects, for industrial internships. • Digitization of library Major activities in library is digitized. To enhance the smooth functioning of library, institute has planned to implement Radio Frequency Identification (RFID) . • Intensive training for preparing students for

competitive examinations. • Improvement in the result. • To improve admissions in the college.