



YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING
• Name of the Head of the institution	Prof. Dr. Kharat Govindrao Ukandrao
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02132264925
• Mobile no	9307225141
• Registered e-mail	principalspcoe09@gmail.com
• Alternate e-mail	gukharat@gmail.com
• Address	at- Dumbarwadi Po-Khamundi Tal-Junnar
• City/Town	Pune
• State/UT	maharashtra
• Pin Code	410504
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the Affiliating University	Savitribai Phule Pune University Pune				
• Name of the IQAC Coordinator	Prof. Dr. Monika D. Rokade				
• Phone No.	7588031942				
• Alternate phone No.	7588031942				
• Mobile	7588031942				
• IQAC e-mail address	principalspcoe09@gmail.com				
• Alternate Email address	monikarokade4@gmail.com				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://spcoe.in/wp-content/uploads/2023/05/AQAR-Report-2020-21.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://spcoe.in/academic-calendar/				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.31	2018	30/11/2018	29/11/2023
6.Date of Establishment of IQAC			01/06/2017		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
0	0	0	0	0	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		

9.No. of IQAC meetings held during the year	2	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	No	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	View File	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<ul style="list-style-type: none"> Application and preparation for NAAC 2nd cycle Motivation to faculty for NPTEL Online courses motivate staff members to participate Faculty Development Program ,research program Arrange on line workshop for teachers and students. Encourage faculty to pursue PhD Improvement in First Year and DSY students performance in examination Guidance to students for competitive examinations 		
12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year		

Plan of Action	Achievements/Outcomes				
Provide internship to students	Students have taken industrial training				
To arrange Gate tutorial classes for all discipline students for improving the academic knowledge which will be helpful to them for competitive and GATE examination for their future career	Gate tutorial classes for all discipline students arranged through Gate Tutor				
Arrangement of industry oriented training and skill development program by industrial experts	Skill development program organized				
Motivate faculty to obtain PhD degree	02 faculty members have completed PhD				
Improve placement of students	Students are placed				
Green Campus initiative	Tree Plantation done in campus				
To arrange online programs webinars, workshop in this pandemic situation	Arranged online programs webinars, workshop in this pandemic situation				
To introduce decentralized and inclusive management by distributing college activities work distribution by making different committees of the staff members including students	Different committees have been formed with inclusion of students for smooth conduction Quality Activities				
13.Whether the AQAR was placed before statutory body?	No				
<ul style="list-style-type: none"> Name of the statutory body 					
<table border="1"> <tr> <td>Name</td><td>Date of meeting(s)</td></tr> <tr> <td>Nil</td><td>Nil</td></tr> </table>		Name	Date of meeting(s)	Nil	Nil
Name	Date of meeting(s)				
Nil	Nil				
14.Whether institutional data submitted to AISHE					

Year	Date of Submission
2021-22	15/12/2022

15. Multidisciplinary / interdisciplinary

SPCOE College of Engineering is connected with Savitribai Phule Pune University (SPPU), Pune, and we follow the Savitribai Phule Pune University's rules for delivering the programme. All programmes and courses have a curricular framework that was devised by Savitribai Phule Pune University. The undergraduate engineering course is divided into eight semesters since the university has adopted the semester system. Elective Subjects have been added to the curriculum by the university. To have a thorough understanding of a specific field, students must choose an elective course of their own. Elective subjects are introduced in the curriculum during 5th, 6th, 7th and 8th Semester. To improve the students' technical and non-technical knowledge, Savitribai Phule Pune University established audit courses. Any audit course that is offered by the institution can be chosen by students based on their interests. Honors/Minors programmes have been offered by Savitribai Phule Pune University to help students become enriched and competent enough to fulfil the interdisciplinary criteria for various job profiles and career possibilities. Important days like International Yoga Day, International Women's Day, Environment Day, Road Awareness Programmes are to be celebrated and observed bringing together all the disciplines of the college. This service is being used by students from our college.

16. Academic bank of credits (ABC):

The Savitribai Phule Pune University (SPPU), located in Pune, is a partner institution of ours, SPCOE College of Engineering. The university conducts student evaluations and exams. The institution announces the exam results and assigns grades based on the evaluation at the conclusion of each academic session. The Academic Bank of Credits is now operational at Savitribai Phule Pune University. All of the students from our institute taking the university examinations have an ABC ID.

17. Skill development:

The educational trust "Shree Gajanan Maharaj Shikshan Prasarak Mandal" (SGMSPM) oversees the operation of SPCOE College of Engineering. The trust's mission is to offer children, particularly those living in rural regions, high-quality education. At present four educational institutes namely SPCOP, SPCOM, Vision International School are run by the Trust. Since the majority of

the students at our rural institution come from rural backgrounds and there is a need for holistic student development, our institution offers programmes for the students' skill development, personality development, entrepreneurship development, and career counselling. Institute has signed MoU with many Industries for enhancing skills which are required at industrial level.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Many of the students at our institute are from rural areas, and they received their education in the local tongue throughout their time in public schools. The language of instruction and learning in the engineering curriculum is English. Students must write their exams in English because the lessons are given in that language. There are English-language versions of all textbooks and reference materials. For simple comprehension of engineering course basics and ideas, our faculty members often provide explanations in local languages in addition to English. The institute puts an emphasis on virtues including humility, truthfulness, discipline, self-reliance, and respect for all of creation as well as raising awareness of one's obligations to one's family, community, and self.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

SPCOE offers various programmes. All these programmes are offered as outcome-based education (OBE) which is designed keeping in mind the national and global requirements. The Institute has implemented outcome-based education with clearly stated Programme Outcomes, Programme Specific Outcomes and course outcomes. All courses are designed with outcomes centred on cognitive abilities namely Remembering, Understanding, Applying, Analysing, Evaluating and Creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsiveness and ethics, as well as entrepreneurial skills so those students contribute proactively to economic, environmental and social wellbeing of the nation. All course syllabi have been designed with due consideration to social needs at large so as to apply the spirit of NEP.

20.Distance education/online education:

The students are encouraged to participate in the online courses through different online learning platforms like Couresera, NPTEL, UDEMI, etc.

The institute conducted online lectures and webinars for the students through Zoom, Google Meet, etc. during the pandemic.

E content in the form of video lectures and e-notes were developed by the faculty members. Uniform tool was used at institute level for online academic activities.

All faculty members were educated and trained for the proper use of Microsoft Teams and effective conduction of academic activities

Extended Profile

1.Programme

1.1 210

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	View File

2.Student

2.1 359

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 122

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	View File

2.3 112

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 27

Number of full time teachers during the year		
File Description	Documents	
Data Template	View File	
3.2		31
Number of sanctioned posts during the year		
File Description	Documents	
Data Template	View File	
4.Institution		
4.1		11
Total number of Classrooms and Seminar halls		
4.2		16509024.04
Total expenditure excluding salary during the year (INR in lakhs)		
4.3		251
Total number of computers on campus for academic purposes		

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

- Sharadchandra Pawar college of Engineering is affiliated to Savitribai Phule Pune University since 2009. The institution prepares the academic calendar for commencement and conclusion of the semester referring to SPPU academic calendar
- Meetings are conducted in each department to discuss about the course distribution for the academic sessions every year
- Subjects are allocated to the faculty by the HoDs following which the faculty prepares lesson plan, Course file, and Laboratory manual. The timetable coordinator drafts, distributes and displays the timetable.
- Departmental meetings are held periodically to review the syllabus completed. For the effective transmission and delivery of curriculum, departments integrate classroom teaching with

various ICT tools, laboratory practical's, field projects, students seminars, tutorials, question papers solving, etc. Records are maintained by each department

- For the up-gradation of subject-related knowledge, college organizes Webinar, workshops and Guest Lectures. This activity provides a platform to the faculty and the students to participate and interact with experts in various fields and enrich and update their subject knowledge
- Besides this, the college has a mentoring system for academic-related issues. College library is digitalized. College library is very enriched having a good collection of books. All departments also have a departmental library. Reading facility is also available for teachers and students to facilitate the teaching learning process.
- At the end of every semester, feedback from teachers, students, alumni and parent is collected by IQAC in coordination with feedback committee, it is then analyzed and analysis report is communicated to the principal.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://spcoe.in/wp-content/uploads/2023/05/1.1-upload-1.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

1.1.2 The institution adheres to the academic calendar including for the conduct of continuous internal Evaluation.

- The college adheres to the academic calendar provided by Savitribai Phule pune university, Pune for the conduction of continuous internal evaluation system
- The institution prepares and publishes academic calendar containing the relevant information regarding the teaching-learning schedule, weekly working days, holidays, government holidays, Internal assessment dates, practical exam dates, workshop schedule, technical seminar schedule, Industrial visit dates, sports day, cultural day on website of the college and displays on students notice board and in the principal's office.

- Principal conducts meetings with HODs, faculty members, Conveners of committees & societies, and non-teaching staff to ensure smooth execution of scheduled activities.
- The academic progress of the students is regularly monitored by continuous internal evaluation such as seminars, project work, unit tests, internal examinations and semester examinations etc
- For conducting effective Continuous Internal Evaluation, Faculties prepare teaching schedule, tests and assignments in accordance with time table and academic calendar.
- Students are informed in advance about deadlines for assignments, dates for tests and presentations, and criteria of assessment. Students are also informed about their internal assessment before marks are uploaded online
- Multiple assessments are taken, with the aim of making learning a continuous process and creating opportunities for students' growth.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://spcoe.in/academic-calendar/

1.1.3 - Teachers of the Institution participate in B. Any 3 of the above following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG programs
Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
Assessment /evaluation process of the affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

5

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

9

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

307

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

1. Gender:-

Numbers of programs are conducted for women and girl students such as Nirbhay Kanya Abhiyan Karyashala, Gender Equity Session, Savitri Mohotsav. The committee for Woman Anti-harassment and internal complaint committee organizes programs on Woman Empowerment, Laws for Woman, Women's Day, The N.S.S. unit of our college has been very proactive in conducting different extension activities not only in college premises but also in adopted villages.

2. Environment and Sustainability N.S.S. promotes environmental protection through tree plantation and other sustainable development programs. Every year, N.S.S. unit undertakes a host of activities in the nearby villages during the special camps. In these camps, N.S.S. organizes various environment related programs including tree plantation, village cleanliness, eradication of Gajar grass, plastic free drive. Different activities have been initiated by the college to save environment such as Cleanliness Campaigns at Temple places, Bus stand and Public places etc.

3. Human Values and Professional Ethics -To create scientific approach and social awareness among the students, Soft skill programs are organize by the college The college takes efforts for integration of ethical and human values through curriculum and extra-curriculum activities and audit courses. National festivals like Independence Day and Republic Day serve as a platform to enliven patriotic and moral values.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

20

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

347

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://spcoe.in/wp-content/uploads/2023/05/syllabus-feedback.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://spcoe.in/wp-content/uploads/2023/05/1.4.2-1.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

124

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

48

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Institute takes continuous efforts for effective teaching learning process, in order to meet the diverse needs of students. These

efforts are constantly monitored and reviewed by the entire faculty members. The institution assesses the learning level of students based on marks they secured in the preceding examination and their response in the classroom.

For advance learners the approaches adopted are as follows:-

- Appreciation through medals and certificates
- Counseling for competitive examinations and higher studies.
- Encouragement for participation in intra-college and inter-college, university level cultural, sports competitions and paper presentation, seminars, etc.
- Extra book issuing facility on demand.
- Motivate for NPTEL courses.
- Motivation for industrial training programs.
- Skill development programme like communicative English, aptitude are conducted

For slow learners the approaches adopted are as follows:-

- Communicating on their area of weakness and remedies.
- Monitoring the progress of students through assignments, oral responses, and class test.
- Motivation by providing additional learning material such as text books, solved question papers from previous exams.
- One-to-one counseling
- Organizing remedial and makeup classes.
- Periodic parent-teacher meetings are organized
- Provide extra lab hours to improve their practical knowledge
- Soft skill sessions for improvement of their vocal and written ability.
- Teachers available beyond class hours to counsel

File Description	Documents
Paste link for additional information	NIL
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
359	27

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Learning is made more student- centric by motivating students beyond scope of theoretical knowledge. The various learning methods like workshops, seminars, case study based research projects with publication in various national and international journals and publications, internships, NPTEL videos, animated PPTs, etc. have been adopted.

Experiential learning:

- Organize and participate in various programs like project exhibitions and sport/cultural/technical events
- Peer-to-peer learning
- Students are appointed as members of the respective department associations.
- Students are encouraged to enroll for internships in industries
- To enhance their industrial exposure, industrial visits are arranged.

Participative learning:

- MOUs are signed with leading industries to bridge the gaps in the curriculum.
- Soft skills training slots are incorporated in the timetable for improving their presentations and soft skills.
- Students are encouraged to participate in National and International Conferences
- Students are updated with the case studies and models for a better understanding of the concepts.
- Students participate in various industrial/site visits to augment their theoretical knowledge
- Students work on mini-projects through which they can apply the engineering concepts practically.

Problem-solving methodologies

- Various events are conducted during students' fest.
- Students are encouraged, trained, and guided to participate in

national-level model making competition:

- **Implementation of the problem and activity-based learning.**

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

It is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education. This integration offers unprecedented opportunities to the education systems with its capacity to interact over a wide geographic area.

The following tools are used by the Institute-

1. Desktop - Arranged at computer lab and faculty cabins all over the campus.
2. Digital Library Resources are also available
3. Industry Connect - Guest lectures, expert talks and various technical competitions are organized for students in the well-equipped seminar and conference halls.
4. MOOCs Platform (NPTEL)
5. Online classes and video conferencing through great learning, zoom, Google Meet, Microsoft Team applications.
6. Online Test - Faculties prepare online test through quiz for students for In-sem examination with the help of Google Forms.
7. Printers - They are installed at labs, HOD cabins and all prominent places.
8. Projectors - Projectors are available in different classrooms and labs.
9. Seminar hall - It is equipped with all digital facilities.
10. Smart Board -Are Available in all classroom.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

26

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

27

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

4

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

7

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

mode

The institute being affiliated to Savitribai Phule Pune University, the internal assessment are planned as per the academic calendar and assessment tools are designed based on the structure and syllabus.

Students are made aware of the marking scheme of all the assessment tools like term work, unit tests, orals, practical, projects, presentations, internal sessional marking, internal reviews, etc. well in advance. Internal test answer books are made available to students on demand.

In the case of orals, practical, internal reviews of design based subjects, and term work submission a viva is conducted at every stage as well as at the final stage too. Continuous student assessment is done on the basis of given assignment, their response in tutorials, seminar presentations and practical during academics. To make the students aware of question pattern, question banks are

provided to the students at the end of each unit during classes.

Progress of each BE project is monitored by the project guide on weekly basis. TW marks for the project is the weightage of marks obtained in reviews, work done, quality of report and research publication. At the end of the semesters, final viva is arranged in presence of both external and internal examiners.

File Description	Documents
Any additional information	View File
Link for additional information	NIL

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The students can raise the grievances to the CEO which in turn are put forth before the examination. Grievance regarding evaluation is dealt with two levels-

At College Level:

The institute has adopted a fair and transparent process prescribed by the affiliating university for the evaluation of students. Grievance regarding incomplete data in Question paper, Wrong setting of Questions, evaluation of college exams, Internal Assessment and test papers if raised that will be solved by the concerned subject teachers. If not solve by subject teacher then it will be solve by HOD. If grievance still persist then it will be dealt by college Examination Officer (CEO). Due to medical or any genuine reason, if a student fails to appear internal Assessment, the reassessment is scheduled against his/her Application.

At University Level:

The mechanism to deal with examination-related grievances is fully transparent, answerable, and time-bound. Grievance regarding university level has to be raised independently by students, then after it will be monitored and solved by the college examination Officer (CEO).

File Description	Documents
Any additional information	View File
Link for additional information	https://spcoe.in/examination/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Institute has well defined Vision and Mission. Each program has a set of meticulously designed Program outcomes (POs), Programs Specifics Outcomes (PSOs) and Course outcomes (COs) for all programs offered by the institution are listed, Developed and displayed through:

- Institutional Website
- Induction Programs
- Digital Display Boards in all Corridors of Departments
- Department Notice Boards/ Lab manuals.
- Awareness about COs, POs and PSOs are made to students by the faculty at the beginning of the semester and through orientation programs.
- Parent Meet.
- Alumni Meetings.

The Head of the institution delivers addresses to all newly admitted first-year students and their parents in the induction program. During this address institute's vision, mission, and program objectives are stated.

Students are educated with the outcomes of each course before the commencement of the subject. POs and PSOs are displayed at prominent places like HOD Room, Seminar Hall, Class room, Laboratories, Faculty Rooms. PO, PSO, CO are included in Lesson Plans ,Lab Manuals, Course files, Course End Survey, Alumni Survey etc.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://spcoe.in/criteria-2
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Institute has a well-defined Mechanism for PO & CO attainment. Each course contains a set of COs & evaluation Criteria that must be met. CO attainment levels were divided in two parts.

- External Assessment (80 % weightage) = Includes University In-sem, End-sem, oral / Practical / TW Examination.
- Internal Assessment (20% Weightage) = Includes Students continuous Assessment for practical's, class, MCQ, tests, Assignments, problem solving, seminar & project presentations

The attainment of CO is computed by setting. The class average marks as a target. The courses are classified based on their difficulty level (strong, medium, low). These levels are determined based on the previous academic year university result of student. These levels for every course should be analyzed by respective department faculties & offers ways to improve it.

The process of PO attainment is done by Direct & Indirect attainment:

- Direct Attainment (80% weightage):- It includes CO attainment of all courses (Theory, practical &TW)
- In direct attainment (20% weightage): It includes attainment of Co-curricular & extra -curricular Activities, Alumni feedback, program exit survey.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://spcoe.in/cos-and-pos-comp-etc-mech/

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

103

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://spcoe.in/criteria-2/

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://spcoe.in/wp-content/uploads/2023/05/student-Satisfaction-Survey-form.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

1.8

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

3

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The college has created an ecosystem for employment and emergence of human resources with state-of-the-art infrastructure for knowledge creation and dissemination. The college has provides favorable environment for advancement of innovations. All required guidance is provided to the students. Students are encouraged to involve actively in the societal needs and different activities.

Necessary assistance is provides for obtaining patents and research papers. More 30 papers are published in different reputed publication by the students and staff. For that workshop, seminars and guest lectures on IPR are organized for the student and staff. College held workshop on how writes research paper.

College provides industrial training to improve their knowledge by signing MOUs with different industries. Through this students were encouraged to gain hands-on experience and improved industrial skills. Efforts are made to get financial support for research

projects through various government/non-government organizations. The Local Entrepreneurs are invited to address the students and inspire them.

Students are actively participated in various competitions held by different colleges and organizations. Students are given opportunities to acquire their skills. Students are registered for difference NPTEL courses.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://spcoe.in/criteria3/

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

8

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

29

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

5

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

SPCOE is actively organizing and participating in various extension activities and outreach program to promote the College-Neighborhood community to sensitize the students towards community needs. The

Institute believes in not only promoting the societal and community activities to sensitize students but also leading in shaping the students and faculty and staff becoming responsible citizens of the nation and imparting overall development of students in each vertical. Various Society Committee team members and organizers inculcate this awareness and integrity through various program like Cleanliness, Green environment & tree plantation, Gender sensitization, Plantation drive, National Youth Day celebration, NSS Camp, Blood donation camps, Women Development and Empowerment activities, etc. All these mentioned activities have a positive impact on the students, and they developed relations between student and community, increase leadership skills, and built self-confidence of students. All these initiatives have gone a long way in the holistic development personality of the participants of these programs. Program on women empowerment create awareness among girl students of their condition and their rights. The Institute is imparting quality excellence in education and overall development for faculty by organizing FDPs, National and International Conferences, Webinars, Workshops every year.

File Description	Documents
Paste link for additional information	https://spcoe.in/criteria3/
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

4

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community

and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

26

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

268

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

97

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

12

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Institute has an infrastructure in line with AICTE norms. The Institute has planned and constructed the infrastructure which facilitates the curricular and co-curricular activities. All the departments are fully equipped with the necessary infrastructure to meet the requirements such as adequate class rooms, seminar halls, tutorial rooms, laboratories and sufficient space for hosting all academic activities. The practicals are performed as per syllabus designed by Savitribai Phule Pune University. The college workshop is adequately equipped with various machines such as Lathe machine, Milling machine, Drilling machine etc. E-resources, journals, magazines, Books are available in college library. Library has library management software Vriddhi for maintaining the records. Institute has seminar halls with ICT facilities. All the

laboratories are well equipped with sufficient number of equipment's, computers and other required devices etc. All classrooms are well ventilated and specious for conducting theory lectures.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://spcoe.in/criteria-4/

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The Institute encourages and provides facilities for students to participate in various extra-curricular activities in order to build team spirit and leadership qualities. Institute has sport coordinator, cultural coordinator who looks after all the cultural, sports and extracurricular activities in the college.

Sports: The Institute has adequate playground, for several sports such as football, cricket, volleyball, kho-kho, kabaddi.

Games: Students are encouraged to participate in different sports like table tennis, carom and chess.

Yoga: Facility for Yoga is available at the facility block in the college building. The college has provided regular yoga training for staffs and students.

Cultural Activities: The College has a committee for cultural activities. This committee along with the staff and students of the college organizes an annual cultural function. The aim of such cultural activity is to provide a platform for students to show their talents and organizational skills.

NSS: Institute has its NSS unit which runs as per the guidelines of the Savitribal Phule Pune University; The NSS unit in the college provides a platform for various social activities such as: Awareness about rural culture. Participating in various Gram Swachchata Abhiyan Camps, Creating social awareness among them.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://spcoe.in/criteria-4/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

11

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://spcoe.in/wp-content/uploads/2022/06/ICT-tool.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

3.88

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Institute has the Library Management software "Vridhhi" which is

really helpful tool to manage the library functions and makes the operations fast. Library receives the students and staff data from the admin section and this data are further used for maintaining the books transactions done by them. Use of software will help to reduce the paper work to maintain student's records. Facility The library automation software helps to keep track of all the existing books. There will be a unique Id for every book along with Bar code which helps in Issue-return functionality. While issuing a book, librarian enters the barcode in Library Management software and an entry is made into the library automation software for the specific book against the specific student or faculty member. Librarian can define the number of the books which can be issued to a specific student in the library automation software. Daily/monthly/yearly reports can be generated from the library management software.

Name of the ILMS software

Nature of automation (fully or partially)

Version

Year of automation

Vriddhi

Partially

2.0

2012

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://spcoe.in/criteria-4/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources **A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

2.26

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

18

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The summary of all the facilities are provided below: College has comprehensive IT policy to support and facilitate the teaching, evaluation, research and administrative functions of the College through an supporting environment, providing a wireless, high speed network, secured from intruders, with regular data backup and

recovery techniques along with licensed software and servers for better performance and flexibility.

The college IT policy encompasses the following:

- Enforce secure and authenticated accessibility
- Ensure seamless connectivity to all users in the campus
- Support administrative and academic activities of the institution
- Provide accurate and transparent campus management
- Timely back-up and storage systems

Institute has computer and internet facilities In line with AICTE standards, SPPU syllabi and technology upgrade. The institute follows a standard procedure for facility and upgrade. All the Computer system systems are connected to high speed internet via switches and central server. The entire building is connected through centralized server room. Staff & students are provided with Wi-Fi facility.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://spcoe.in/criteria-4/

4.3.2 - Number of Computers

251

File Description	Documents
Upload any additional information	View File
List of Computers	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

14.81

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Computers and Other Equipment's in different Laboratories

- The college has adequate number of the computers with high speed internet connection and the application software's. System up gradation is carried out according to the requirement of the software.
- At the end of every semester stock verification of departmental laboratories is carried out by Staff & respective lab in charge to check out minor, major faults and misplacements of the instruments under the supervision of Head of the department.
- Minor and major faults are listed out and maintenance of minor faults is carried out by lab assistants.
- Maintenance of Major faults is carried out by the external resources.
- Once all maintenance is completed, lab incharge, subject

teacher and lab assistants 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.

Classroom:

- The maintenance of switches, fans, tube lights 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 books is carried out such as binding of books.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://spcoe.in/maintainance/

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

297

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

319

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://spcoe.in/soft-skill/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

72

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

72

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

46

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

0

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

0

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

0

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

SPCOE objective is to thrive global development in 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 and intellectual activities in an integrated manner. The organization objective is to promote cooperative and valuable leadership within student association at the Student council. The student council engages students in many activities apart from their regular academic work to showcase their talents. In current academic years, SPCOE students have participated in many seminars, trainings, technical activities, cultural and Sport events organized by institution and many others organized by leading corporates. Team of students carry out various task and different activities such as Blood Donation Camp, Swachha Bharat Abhiyan, Yoga Day, Tree plantation and different jayanti mohostovs etc. Most of the committees include student's representation. The student's representatives serve in almost all the academic and administrative bodies of the college such as student's council, Anti Ragging Committee, Anti sexual harassment Committee, Training and Placement Cell, NSS, etc. The role of Student Representatives is to disseminate the information from the

college administration to all students and maintain conducive and anti-ragging ambiance in hostel and college premises.

File Description	Documents
Paste link for additional information	https://spcoe.in/gallery-2/
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

12

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The institute has established an Alumni Association. Alumni Association contributes actively to the growth of the institution. Alumni network is utilized to encourage entrepreneurship development. Alumniconduct guest lectures in college about Career Guidance, Personality Development, Interview facing etc. Alumni are connected to institute through group, mail platform and regularly posts vacancies in Industry on the institute's group through which all students get the updates. Alumni also help in the placement of students through references. They also contribute in arranging expert talk and conducting seminars related to recent trends in the industry. Alumni meetings help in understanding the various expectations from the institute and their feedback helps in

improving policies of quality enrichment of institute.

Alumni Meet (2022) was organised on 25.05.2022 at 7.00 pm at Nilam Garden Dingore, Pune. Principal along with Head of Departments of SPCOE College were present. Total participation for the event was 212 including Alumni, faculties and student Committees. The event started with an open house where alumni interacted with the College faculties and they also visited the departments which was along with tea and snacks. On the occasion of alumni meet alumni from the last year batch of 2021 were felicitated. 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 for the time spent in the college.

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

File Description	Documents
Paste link for additional information	https://spcoe.in/alumni/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

The institute aims at the holistic development of students and teachers by implementing education and other initiatives to meet the strategic development of goals of the institute. Transparency is maintained in administrative affairs of the college for unique work culture and an excellent academic environment is available for the students and faculty. It aims at becoming a premier institute in engineering and management education with state-of-the-art

facilities and good Industry Institute Interaction.

Nature of Governance

The top management including Board of Trustees, Governing Council, College Development Committee, Principal, Department Monitoring committee and faculty focus on institutional goals as follows

- Top management directs principal focusing on vision and mission of the institution.
- The Principal consistently follows top management policies to achieve the vision with the support of staff.
- Principal, IQAC Director, Deans, Registrar and Head of Departments come together to form different committees to provide 'Decentralized Administration' to achieve institution's objectives and goals put forth.
- The Heads of Department in consultation with the faculty prepare academic and administrative plans of the department which are discussed and finalized in meetings with the Principal and IQAC.
- These plans are monitored by IQAC periodically by a way of academic monitoring, examination results, student feedback, faculty appraisals, research publications, academic and administrative audits, training programs for faculty and students, and preparing the annual reports. IQAC also ensure that they are in line with Institute's Vision, Mission, and Quality Policy.

File Description	Documents
Paste link for additional information	https://spcoe.in/our-mission-vision/
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Response:

The organizational structure of SPCOE is a blend of professional well-defined administrative structure. All the HOD's are members of

the IQAC, they monitor the quality of all these activities of the institute. The faculty members are given the responsibilities of handling statutory and non-statutory committees independently which are framed to perform specific functions and responsibilities. The involvement of faculty members is seen in all aspects of academic and administrative activities.

The teaching-learning process is monitored by the IQAC , which include senior faculty members who periodically discuss academic and non-academic issues. The HOD's allocate course to the faculty well in advance based on expertise and the subject choice given by the faculty. The HOD's ensures that the academic calendar and timetable of the department are prepared by incorporating regular academic activities proposed by SPPU and additional activities suggested for the overall development of students by the IQAC.

Participative Management:-

Involvement of stakeholders (GC, IQAC and AMC) in College promotes culture of participative management. Therefore the committees are set up to execute predefined strategies that emphasize active stakeholder involvement as mentioned below,

- Top Management Level
- Governing Council
- Principal's Administration
- Dean academics
- IQAC
- HoDs Level/ In-charge / Coordinator Level
- Faculty Level
- Students Council
- Students Association
- Cultural and sport and other activities

File Description	Documents
Paste link for additional information	https://spcoe.in/governing-body/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Response:

The institutional strategic plan is to undertake the efforts to develop students through various capacity building and skill enhancement initiatives. The institute has established and ensured the quality academic practices and procedures for excellence in teaching learning process. Based on the information collected through various stakeholders, the institution always strived to improve its quality of programs. For overall growth of the students, the institute has introduced various capacity building and skill enhancement initiatives so as to make them employable resulting in good placements. The institute is committed for the overall development of students which involves curricular, co-curricular and extra- curricular activities.

STRATEGIC PLANS AND ITS IMPLEMENTATION ARE GIVEN AS UNDER (For year 2020-2025)

1. STRATEGIC PLAN-TEACHING AND LEARNING.
2. STRATEGIC PLAN-RESEARCH AND DEVELOPMENT.
3. STRATEGIC PLAN-TO ESTABLISHES BETTER ACADEMIC PRACTICES AND PROCEDURES.
4. STRATEGIC PLAN-QUALITY OBJECTIVES.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The management of the college, Governing Body, Principal, IQAC, AMC, and Head of the department, Teaching Staff, Librarian, Office Staff, Establishment Section, Student Section, Account, T&P Cell, and Student Development Cell are the essential components of college organizational structure.

The Governing Body, SPCOE Principal, Heads of Departments, Teaching staff, Non-teaching personnel, and Support cells/Departments are the essential components of the college's organizational structure. It examines the institutional strategic plan, which establishes the institution's academic goals and objectives as well as its financial and recruiting tactics. Several stakeholders of the institute are

members of the institution's various committees.

IQAC Cell, Anti-ragging Cell, and other University/Government norms are also in existence for the institution. The academic and administrative leadership of the college is provided by a number of committees with well-defined duties. The planning, execution, academic audit, and assessment are handled by a committee made up of administrative employees and faculty members. Through independent flexibility for departments and a participatory decision-making process, an optimal amount of decentralization is achieved. Recruitment process is in accordance with norms of the university. Regular student feedback on improving quality of Teaching and Learning process are taken twice in a year for timely corrections.

File Description	Documents
Paste link for additional information	https://spcoe.in/about-us/
Link to Organogram of the institution webpage	https://spcoe.in/goals-objectives-strategic-plans/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Welfare Measures for Teaching and Non- Teaching Staff

1. Welfare measures for teaching staff:

- Salary as Per norms
- Permissions to staff members for higher education.
- Free transportation to all faculty members.
- The faculty is honored with an incentive in the form of cash for various distinguished merit activities in the field of academic and research.
- Sabbatical leaves will be sanctioned with full pay to the teaching staff for attending FDP/Workshop/Conferences.
- Maternity leaves are given for women faculty .
- Appreciation for the faculty members for their outstanding work.

1. Research and Development Incentives for Teaching Staff

- OD's are given for staff members for presenting papers in conferences and workshops in other establishments at least once in a semester.
- Sanction of TA and DA for out station conferences in deserved cases.
- Allow faculty to attend conferences and workshop acquire knowledge on advanced topics at least once in semester, by sanctioning OD.

1. Welfare Measures for Non- Teaching Staff

- Salary as Per norms
- Permission to staff for higher education
- Admission to wards of staff on priority basis
- Uniform is provided for supporting staff.
- Maternity, vacation is sanctioned for the required staff.
- Free transportation to all the faculty members.
- Appreciation for the faculty members for good work.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops**

and towards membership fee of professional bodies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

28

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

14

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The Institute has a well-established system for appraisal of teaching and non-teaching staff. It is mandatory for all the teaching and non-teaching staff to annually submit their appraisal form at the end of the academic year. The teaching and non-teaching staffs have different formats of appraisal forms. The performance appraisal system consists of self-appraisal and appraisal by the reviewing officer. For evaluating performance of a professor more emphasis is given to their research contribution whereas for assistant professors more emphasis is given to the student centric activities.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute conducts transparent internal and external financial audits periodically. The internal financial audit is carried out in each half of the financial year which is carried out by Mr. Manoj Paliwal working with the institute's accounts department. The copies of invoices, vouchers, and supporting documents related to the expenditure are maintained in the respective department, and the original documents are sent to the accounts department of the

institute. All the documents are verified by the accounting officer and discrepancies if any are brought to the attention of the head of the department for immediate rectification. The accounts department consolidates all the expenditures made in the financial year.

Every financial year, the external financial statutory audit is conducted by a chartered accountant Mr. Deepak Sasar. A comprehensive examination and verification of all the financial transactions are carried out. All observations and objections of the auditor are communicated through their report to the institute. These are examined by the Principal, the internal auditor, and the accounts department. The short comings in the auditor's report are addressed and rectified through compliance with necessary supporting documents within the stipulated time limits.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

62

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The institute has an effective system at place to track how well the financial resources are being used. The financial budget for the academic year is prepared by considering all the possible incomes and expenditures. Being a self-financed college, the primary source of income to the college comes from the fee paid by the students.

Every year the college fees are approved by the management, Government of Maharashtra by considering various expenditures of the institute including the audit reports. Accordingly utilizes the sanctioned funds for organizing various activities as per the norms of SPPU.

1. Resource Utilization Strategies

At the beginning of every academic year, all the departments prepares a budget based on the requirements, such as the purchase of equipment, instruments, consumables, etc. The financial requirements of each department are compiled and forwarded to the Principal's office. The Principal's office reviews the budget and presents it to the Management for approval. The management critically reviews the budget and after necessary modifications / corrections, it approves the budget. Once the budget is approved, the Heads of the Departments can proceed with the planned activities.

1. Salaries of the Employees
2. Augmentation of Infrastructure
3. Laboratory expenses and other Consumable
4. Repairs and Maintenance
5. Library expenses

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

To enhance the quality improvements in the academic process and also as a pre-accreditation exercise Internal Quality Assurance Cell (IQAC) was formed in our institution. The IQAC cell is coordinated by a team of faculty members from all the departments. The objective of the cell is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institution at all levels with the involvement of all stakeholders towards quality enhancement through internalization of quality culture and institutionalization of best practices.

This can be delineated with following examples amongst others.

1. To explore the students to the industrial environment through online webinar in plant training, internships.

The college organizes webinars for the students to explore them to the industrial activities and motivating them to attend webinars to enhance their knowledge and exposure to the industrial development. Faculties and students have published research papers to cultivate research culture in the institution. IQAC encourage students and faculty members to actively participate in research activities and to attend online conferences and workshops and motivate to publish research papers in UGC approved journals.

2. External Collaborations:

Faculty members were motivated by the IQAC committee to collaborate with various organizations for mutual benefit. This has resulted in an increase in the number of Memorandum of Understanding (MoU) signed between various organizations. These measures have helped the students to gain hands-on experience about the functioning of the industry and further prepared them for industrial jobs.

File Description	Documents
Paste link for additional information	https://spcoe.in/mous/
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Response:

The institution reviews its teaching-learning process through IQAC. IQAC conducts meetings and collects suggestions from students, parents and alumni about improvement of the teaching-learning methodology. Based on suggestions given by the various stakeholders, institute modify the teaching plan and time table by including aptitude slot and personality development classes to improve students quality in terms of skill development and placements. These changes are suggested by IQAC members and approved by the governing body. The IQAC planning body decides the academic calendar at the starting of the semester, based on this all the activities in the

semester are scheduled. The four phases of IQAC monitoring during the teaching learning process are

1.Preparation/ Planning :

At the starting of the semester every department submits plan for Course initiation, completion. assessment process and innovative approaches towards Student Centric Learning Process.

2.Implementation:

Every subject teacher implements their teaching plan. During this implementation, if any difficulty faced by the faculty, it is discussed with the head of the department. The continuous evaluation and assessment is strictly as per instructions by IQAC.

3.Monitoring:

The teaching-learning process is monitored every month through audits by IQAC.

4.Analysis:

Based on the monitoring report the analysis is carried out and asks the difficulty faced by the students and faculties.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

SPCOE is keen in bringing awareness among the students about Gender Equality and Gender Sensitization by giving equal consideration to the girl students with respect to their identity and personality to be expressed on equal footing. It aims to make the students aware of gender equality and empowerment in a broader sense and constituted various committees like Anti-Sexual Harassment, Anti-Ragging Committee, Women Grievance Cell and Student Grievance Cell to wipe out the differences among boy and girl students.

The issues are catered by providing counseling and guiding the students periodically. These Grievance cells conduct special classes, seminars, awareness programs and other activities to the students to bring awareness in students about the sensitive issues and the laws laid by the Government. These Grievance cells put its continuous efforts to make resolutions, recommendations up to date for relevant changes in order to prohibit and eradicate discrimination and harassments meted out by girls.

SPOC has student counseling committee consisted with mentors (faculty members) and each student is allotted with a particular faculty member who will be his/her mentor/counselor till the end of his/her course which improves a hygienic relationship in students.

Separate common rooms are provided for Girl and boy students. 24/7 the college and college premises are continuously monitored by CCTV's and Fire extinguishers are also mounted in all laboratories.

File Description	Documents
Annual gender sensitization action plan	https://spcoe.in/wp-content/uploads/2023/06/Annual-Gender-Sensitization-Action-Plan.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://spcoe.in/wp-content/uploads/2023/05/Specific-Facility-Provided-for-Women.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

SPCOE has adopted a well-developed waste management system for greater efficiency and sustainability of managing degradable and non-degradable wastes. Risks and uncertainties in the disposal of waste is also overcome by the sound knowledge. Waste generated in the college is segregated, recycled and reused to a maximum extent.

- 1. Solid Waste Management:** Solid Waste generated from the institute, hostel, and canteen is segregated into organic and inorganic waste. This segregated waste is collected and processed separately. The bio-degradable waste is put into a pit to decompose and later utilized as a natural fertilizer. The non-bio-degradable waste is sorted and collected by Gram Panchayat authorities.
- 2. Liquid waste Management:** Waste-water from different sources is collected in to ponds and used for gardening and watering trees.
- 3. E-Waste Management:** The electronic waste is stored separately

and it is handed to a retailer or to a recycling center for proper disposal.

4. **Hazardous waste Management:** The hazardous chemicals from the chemistry lab is collected and disposed off in a pre-defined and to a safe location to ensure that no harm comes to those who may come into contact with them. SPCOE follows standard methods for the disposal of hazardous waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following
1.Green audit 2. Energy audit
3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment
Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

C. Any 2 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

SPCOE has been taking several measures and initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities. Commemorative days like Women's Day, National Youth Day, Yoga Day- Importance and Benefits of Yoga along with many festivals like Ganpati Utsav, Shivjayanti Utsav and Holi are celebrated in the college.

SPCOE conducts various cultural programs to celebrate cultural diversity of India and to create harmony towards each other. To prioritize this Traditional Dress Competition and Fashion Show is organized on 'College Annual Gathering Day', where students come with different attires representing cultural, regional and linguistic diversities.

To cater the linguistic diversity, Marathi Bhasha Divas is organized in the college. 'Mahatma Gandhi Jayanti' is celebrated as 'Non-violence Day' and on this day Mahatma Gandhi's birthday is celebrated and the contributions to the independent India through the cause of non-violence is remembered by cherishing his noble ideas.

To promote socio-economic harmony, SPCOE invites and welcomes old orphans from 'Rajaram Patil Vrudhasharm' to make the staff and students aware of the social harmony. In order to inculcate the said qualities Motivational lectures by eminent personalities are conducted to help students in becoming their personalities and to become responsible citizens and uphold the national values in society and at the national level at large.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

SPCOE is committed to inculcate the constitutional values among its stakeholders to promote an environment of unity in diversity. Our institution conducts several activities and events to inculcate Human and Constitutional values including Fundamental Duties and Rights among students which are essential for the citizens in protecting themselves from arbitrary powers exercised by the government.

Additionally, the institution organizes an Orientation Program for the Students at the beginning of the Academic Year. The Program caters the barriers of their rights and responsibilities. Ethical practices and responsible behaviors expected from the students are conveyed in the program. All mandatory committees like Anti Ragging cell, Women's Grievance Cell, Student's Grievance Cell, Anti Sexual Harassment Cell are active and functioning.

Constitutional Day is celebrated on 26th of November every year. On this day, institution renews its commitment to the Constitution by verbatim reciting the Preamble. Our Institution also organizes programs like Independence Day, National Voters Day, National Anthem Day, National Unity Day, Swachh Bharat Abhiyan, Nirbhaya Kanya Abhiyan, Gender Equity program for inculcating awareness and recalling to the students about their duties, rights and responsibilities of this great nation.

To protect and restore the Earth, World Environment Day is celebrated every year with great zeal by sapling trees in campus.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://spcoe.in/wp-content/uploads/2023/05/7.1.9-Sensitization-of-Student-and-employee-of-the-Institution-to-the-Constitutional-Obligations.pdf
Any other relevant information	https://spcoe.in/wp-content/uploads/2023/05/Relevant-Information.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff **B. Any 3 of the above**

4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

To build a nation of Youth who are noble in their attitude and morally responsible, the college organizes and conducts several activities to build and promote an environment for Ethical, Cultural, and Spiritual values among the students and staff. To develop emotional and religious feelings among the students and the faculty, commemorative days are celebrated in the campus with the initiative and support of the management not only for recreation and amusement but also to generate the feeling of oneness and social

harmony. All staff and students of the institution make incredible efforts in celebrating the national and international days, events and festivals throughout the year.

Apart from classroom activities, institute also takes measures to celebrate various festivals to understand our country's traditions like, Dashara and Holi. To recall our country's national heroes our Institution celebrates birth anniversaries of Vinayak Damodar Savarkar, Savitribai Phule, Sant Gadge Maharag Jayanti, Shree Gajanan Maharaj Prakat Din and Mahatma Jyotiba Phule Punyatihi.

Institution also celebrates national important events like Engineer's Day and Teacher's Day. All these days has the rich history of our nation. The celebration of these events, memorial days and festivals are very helpful in inculcating moral values in the young minds.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

1. Title of Practice: Green campus Initiative and Pollution free campus

The institution has a system for green-audit, environment audit and energy audit which are carried out informally by the National Service Scheme (NSS). The use of plastic bags is avoided on the campus. In this regard the authorities are planning to declare the entire campus as 'No Plastic Zone'. Separate dustbins labeled as 'Use Me' are placed on the campus for waste. The students and staff have planted several saplings during various plantation programmes organized by the institution through NSS wing. Institute emphasizes

- To save human beings from the effect of environmental pollution and preserve natural resources and systems.
- To implement Reduce/Reuse/Recycle policy on the campus.

- To support and implement "Swachh Bharat Abhiyan" for healthy India.
- To organize Tree Sapling drive on environment-related issues.

2. Research Activities for Students and Faculty.

The institute encourages best practices and institutional distinctiveness by creating and developing competent engineer professionals. The institute emphasizes on promoting the research activities to develop the skills and to nurture the curiosity of the students. Institute Practices

- To enhance and achieve consistency in research activities.
- To motivate the faculty and student for writing Research Papers.
- To provide avenues for professional development and networking.

File Description	Documents
Best practices in the Institutional website	https://spcoe.in/a-y-2021-22-2/
Any other relevant information	https://spcoe.in/wp-content/uploads/2023/05/Two-Best-Practices-Additional-Information.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Building moral values and social responsibilities in the students and staff members are the part and parcel of the philosophy of the nation and its educational system. Love, affection, faith, caring for each other and satisfaction is disappearing from one's life. To find a solution for such social issues the first step is to impart moral values in the students and the staff members. In connection to this one-hour lecture on Bhagwatgita slok in Sanskrit, meaning and interpretation is explained daily. In turn, sessions on Samarth Dasbodh Chintan and Santh Tukaram Gatha with hidden meaning is given in college.

Majority of people in India has Farming as their Profession. Due to excessive use of fertilizers, chemicals and insecticides by the farmers result in spread of varied diseases in the society. Through

lectures students are made familiar about Zero Budget Farming without using any chemicals, fertilizers and insecticides.

A concept of 'Panchgavya Chikitsa' treatment is introduced to the students. Different in-house audit subjects like

- 1) Swastha- Rahasya
- 2) Ashtang Hrudayam and Ashtang Sangraham
- 3) Pranayam and Yogasan
- 4) Zero budget and Natural Farming
- 5) Srimad Bhagwat Geetha
- 6) Dasboth Chintan
- 7) Sanht Sarth Tukaram Gatha
- 8) Dnyaneshwari-Bhawartha Dipika

are introduced.

Thus, a step is taken to incorporate real happiness in the heart of the students and the staff members.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

- Sharadchandra Pawar college of Engineering is affiliated to Savitribai Phule Pune University since 2009. The institution prepares the academic calendar for commencement and conclusion of the semester referring to SPPU academic calendar
- Meetings are conducted in each department to discuss about the course distribution for the academic sessions every year
- Subjects are allocated to the faculty by the HoDs following which the faculty prepares lesson plan, Course file, and Laboratory manual. The timetable coordinator drafts, distributes and displays the timetable.
- Departmental meetings are held periodically to review the syllabus completed. For the effective transmission and delivery of curriculum, departments integrate classroom teaching with various ICT tools, laboratory practical's, field projects, students seminars, tutorials, question papers solving, etc. Records are maintained by each department
- For the up-gradation of subject-related knowledge, college organizes Webinar, workshops and Guest Lectures. This activity provides a platform to the faculty and the students to participate and interact with experts in various fields and enrich and update their subject knowledge
- Besides this, the college has a mentoring system for academic-related issues. College library is digitalized. College library is very enriched having a good collection of books. All departments also have a departmental library. Reading facility is also available for teachers and students to facilitate the teaching learning process.
- At the end of every semester, feedback from teachers, students, alumni and parent is collected by IQAC in coordination with feedback committee, it is then analyzed and analysis report is communicated to the principal.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://spcoe.in/wp-content/uploads/2023/05/1.1-upload-1.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

1.1.2 The institution adheres to the academic calendar including for the conduct of continuous internal Evaluation.

- The college adheres to the academic calendar provided by Savitribai Phule pune university, Pune for the conduction of continuous internal evaluation system
- The institution prepares and publishes academic calendar containing the relevant information regarding the teaching-learning schedule, weekly working days, holidays, government holidays, Internal assessment dates, practical exam dates, workshop schedule, technical seminar schedule, Industrial visit dates, sports day, cultural day on website of the college and displays on students notice board and in the principal's office.
- Principal conducts meetings with HODs, faculty members, Conveners of committees & societies, and non-teaching staff to ensure smooth execution of scheduled activities.
- The academic progress of the students is regularly monitored by continuous internal evaluation such as seminars, project work, unit tests, internal examinations and semester examinations etc
- For conducting effective Continuous Internal Evaluation, Faculties prepare teaching schedule, tests and assignments in accordance with time table and academic calendar.
- Students are informed in advance about deadlines for assignments, dates for tests and presentations, and criteria of assessment. Students are also informed about their internal assessment before marks are uploaded online
- Multiple assessments are taken, with the aim of making learning a continuous process and creating opportunities for students' growth.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://spcoe.in/academic-calendar/

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

B. Any 3 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

5

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data

requirement for year: (As per Data Template)**9**

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year**307**

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

1. Gender:-

Numbers of programs are conducted for women and girl students such as Nirbhay Kanya Abhiyan Karyashala, Gender Equity Session, Savitri Mohotsav. The committee for Woman Anti-harassment and internal complaint committee organizes programs on Woman Empowerment, Laws for Woman, Women's Day, The N.S.S. unit of our college has been very proactive in conducting different extension activities not only in college premises but also in adopted villages.

2. Environment and Sustainability N.S.S. promotes environmental protection through tree plantation and other sustainable

development programs. Every year, N.S.S. unit undertakes a host of activities in the nearby villages during the special camps. In these camps, N.S.S. organizes various environment related programs including tree plantation, village cleanliness, eradication of Gajar grass, plastic free drive. Different activities have been initiated by the college to save environment such as Cleanliness Campaigns at Temple places, Bus stand and Public places etc.

3. Human Values and Professional Ethics -To create scientific approach and social awareness among the students, Soft skill programs are organize by the college The college takes efforts for integration of ethical and human values through curriculum and extra-curriculum activities and audit courses. National festivals like Independence Day and Republic Day serve as a platform to enliven patriotic and moral values.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

20

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships**347**

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://spcoe.in/wp-content/uploads/2023/05/syllabus-feedback.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://spcoe.in/wp-content/uploads/2023/05/1.4.2-1.pdf

TEACHING-LEARNING AND EVALUATION**2.1 - Student Enrollment and Profile**

2.1.1 - Enrolment Number Number of students admitted during the year**2.1.1.1 - Number of students admitted during the year****124**

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)**2.1.2.1 - Number of actual students admitted from the reserved categories during the year****48**

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Institute takes continuous efforts for effective teaching learning process, in order to meet the diverse needs of students. These efforts are constantly monitored and reviewed by the entire faculty members. The institution assesses the learning level of students based on marks they secured in the preceding examination and their response in the classroom.

For advance learners the approaches adopted are as follows:-

- Appreciation through medals and certificates
- Counseling for competitive examinations and higher studies.
- Encouragement for participation in intra-college and inter-college, university level cultural, sports competitions and paper presentation, seminars, etc.
- Extra book issuing facility on demand.
- Motivate for NPTEL courses.
- Motivation for industrial training programs.

- Skill development programme like communicative English, aptitude are conducted

For slow learners the approaches adopted are as follows:-

- Communicating on their area of weakness and remedies.
- Monitoring the progress of students through assignments, oral responses, and class test.
- Motivation by providing additional learning material such as text books, solved question papers from previous exams.
- One-to-one counseling
- Organizing remedial and makeup classes.
- Periodic parent-teacher meetings are organized
- Provide extra lab hours to improve their practical knowledge
- Soft skill sessions for improvement of their vocal and written ability.
- Teachers available beyond class hours to counsel

File Description	Documents
Paste link for additional information	NIL
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
359	27

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Learning is made more student- centric by motivating students beyond scope of theoretical knowledge. The various learning methods like workshops, seminars, case study based research projects with publication in various national and international journals and publications, internships, NPTEL videos, animated PPTs, etc. have been adopted.

Experiential learning:

- Organize and participate in various programs like project exhibitions and sport/cultural/technical events
- Peer-to-peer learning
- Students are appointed as members of the respective department associations.
- Students are encouraged to enroll for internships in industries
- To enhance their industrial exposure, industrial visits are arranged.

Participative learning:

- MOUs are signed with leading industries to bridge the gaps in the curriculum.
- Soft skills training slots are incorporated in the timetable for improving their presentations and soft skills.
- Students are encouraged to participate in National and International Conferences
- Students are updated with the case studies and models for a better understanding of the concepts.
- Students participate in various industrial/site visits to augment their theoretical knowledge
- Students work on mini-projects through which they can apply the engineering concepts practically.

Problem-solving methodologies

- Various events are conducted during students' fest.
- Students are encouraged, trained, and guided to participate in national-level model making competition:
- Implementation of the problem and activity-based learning.

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

It is essential for the students to learn and master the latest

technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education. This integration offers unprecedented opportunities to the education systems with its capacity to interact over a wide geographic area.

The following tools are used by the Institute-

1. Desktop - Arranged at computer lab and faculty cabins all over the campus.
2. Digital Library Resources are also available
3. Industry Connect - Guest lectures, expert talks and various technical competitions are organized for students in the well-equipped seminar and conference halls.
4. MOOCs Platform (NPTEL)
5. Online classes and video conferencing through great learning, zoom, Google Meet, Microsoft Team applications.
6. Online Test - Faculties prepare online test through quiz for students for In-sem examination with the help of Google Forms.
7. Printers - They are installed at labs, HOD cabins and all prominent places.
8. Projectors - Projectors are available in different classrooms and labs.
9. Seminar hall - It is equipped with all digital facilities.
10. Smart Board -Are Available in all classroom.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

26

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

27

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

4

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

7

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

mode

The institute being affiliated to Savitribai Phule Pune University, the internal assessment are planned as per the academic calendar and assessment tools are designed based on the structure and syllabus.

Students are made aware of the marking scheme of all the assessment tools like term work, unit tests, orals, practical, projects, presentations, internal sessional marking, internal reviews, etc. well in advance. Internal test answer books are made available to students on demand.

In the case of orals, practical, internal reviews of design based subjects, and term work submission a viva is conducted at every stage as well as at the final stage too. Continuous student assessment is done on the basis of given assignment, their response in tutorials, seminar presentations and practical during academics. To make the students aware of question pattern, question banks are provided to the students at the end of each unit during classes.

Progress of each BE project is monitored by the project guide on weekly basis. TW marks for the project is the weightage of marks obtained in reviews, work done, quality of report and research publication. At the end of the semesters, final viva is arranged in presence of both external and internal examiners.

File Description	Documents
Any additional information	View File
Link for additional information	NIL

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The students can raise the grievances to the CEO which in turn are put forth before the examination. Grievance regarding evaluation is dealt with two levels-

At College Level:

The institute has adopted a fair and transparent process prescribed by the affiliating university for the evaluation of students. Grievance regarding incomplete data in Question paper, Wrong setting of Questions, evaluation of college exams, Internal Assessment and test papers if raised that will be solved by the concerned subject teachers. If not solve by subject teacher then it will be solve by HOD. If grievance still persist then it will be dealt by college Examination Officer (CEO). Due to medical or any genuine reason, if a student fails to appear internal Assessment, the reassessment is scheduled against his/her Application.

At University Level:

The mechanism to deal with examination-related grievances is fully transparent, answerable, and time-bound. Grievance regarding university level has to be raised independently by students, then after it will be monitored and solved by the college examination Officer (CEO).

File Description	Documents
Any additional information	View File
Link for additional information	https://spcoe.in/examination/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Institute has well defined Vision and Mission. Each program has a set of meticulously designed Program outcomes (POs), Programs Specifics Outcomes (PSOs) and Course outcomes (COs) for all programs offered by the institution are listed, Developed and displayed through:

- Institutional Website
- Induction Programs
- Digital Display Boards in all Corridors of Departments
- Department Notice Boards/ Lab manuals.
- Awareness about COs, POs and PSOs are made to students by the faculty at the beginning of the semester and through orientation programs.
- Parent Meet.
- Alumni Meetings.

The Head of the institution delivers addresses to all newly admitted first-year students and their parents in the induction program. During this address institute's vision, mission, and program objectives are stated.

Students are educated with the outcomes of each course before the commencement of the subject. POs and PSOs are displayed at prominent places like HOD Room, Seminar Hall, Class room, Laboratories, Faculty Rooms. PO, PSO, CO are included in Lesson Plans ,Lab Manuals, Course files, Course End Survey, Alumni Survey etc.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://spcoe.in/criteria-2
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Institute has a well-defined Mechanism for PO & CO attainment. Each course contains a set of COs & evaluation Criteria that must be met. CO attainment levels were divided in two parts.

- External Assessment (80 % weightage) = Includes University In- sem, End-sem, oral / Practical / TW Examination.
- Internal Assessment (20% Weightage) = Includes Students continuous Assessment for practical's, class, MCQ, tests, Assignments, problem solving, seminar & project presentations

The attainment of CO is computed by setting. The class average marks as a target. The courses are classified based on their difficulty level (strong, medium, low). These levels are determined based on the previous academic year university result of student. These levels for every course should be analyzed by respective department faculties & offers ways to improve it.

The process of PO attainment is done by Direct & Indirect attainment:

- Direct Attainment (80% weightage):- It includes CO attainment of all courses (Theory, practical & TW)
- In direct attainment (20% weightage): It includes attainment of Co-curricular & extra -curricular Activities, Alumni feedback, program exit survey.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://spcoe.in/cos-and-pos-comp-etc-mech/

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

103

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://spcoe.in/criteria-2/

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://spcoe.in/wp-content/uploads/2023/05/student-Satisfaction-Suevey-form.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

1.8

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

3

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The college has created an ecosystem for employment and emergence of human resources with state-of-the-art infrastructure for knowledge creation and dissemination. The college has provides favorable environment for advancement of innovations. All required guidance is provided to the students. Students are encouraged to involve actively in the societal needs and different activities.

Necessary assistance is provides for obtaining patents and research papers. More 30 papers are published in different reputed publication by the students and staff. For that workshop, seminars and guest lectures on IPR are organized for the student and staff. College held workshop on how writes research paper.

College provides industrial training to improve their knowledge by signing MOUs with different industries. Through this students were encouraged to gain hands-on experience and improved

industrial skills. Efforts are made to get financial support for research projects through various government/non-government organizations. The Local Entrepreneurs are invited to address the students and inspire them.

Students are actively participated in various competitions held by different colleges and organizations. Students are given opportunities to acquire their skills. Students are registered for difference NPTEL courses.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://spcoe.in/criteria3/

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

8

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

29

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

5

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

SPCOE is actively organizing and participating in various extension activities and outreach program to promote the College-

Neighborhood community to sensitize the students towards community needs. The Institute believes in not only promoting the societal and community activities to sensitize students but also leading in shaping the students and faculty and staff becoming responsible citizens of the nation and imparting overall development of students in each vertical. Various Society Committee team members and organizers inculcate this awareness and integrity through various program like Cleanliness, Green environment & tree plantation, Gender sensitization, Plantation drive, National Youth Day celebration, NSS Camp, Blood donation camps, Women Development and Empowerment activities, etc. All these mentioned activities have a positive impact on the students, and they developed relations between student and community, increase leadership skills, and built self-confidence of students. All these initiatives have gone a long way in the holistic development personality of the participants of these programs. Program on women empowerment create awareness among girl students of their condition and their rights. The Institute is imparting quality excellence in education and overall development for faculty by organizing FDPs, National and International Conferences, Webinars, Workshops every year.

File Description	Documents
Paste link for additional information	https://spcoe.in/criteria3/
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

4

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through

NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

26

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

268

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

97

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

12

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Institute has an infrastructure in line with AICTE norms. The Institute has planned and constructed the infrastructure which facilitates the curricular and co-curricular activities. All the departments are fully equipped with the necessary infrastructure to meet the requirements such as adequate class rooms, seminar halls, tutorial rooms, laboratories and sufficient space for hosting all academic activities. The practicals are performed as per syllabus designed by Savitribai Phule Pune University. The college workshop is adequately equipped with various machines such as Lathe machine, Milling machine, Drilling machine etc. E-resources, journals, magazines, Books are available in college library. Library has library management software Vridhhi for

maintaining the records. Institute has seminar halls with ICT facilities. All the laboratories are well equipped with sufficient number of equipment's, computers and other required devices etc. All classrooms are well ventilated and spacious for conducting theory lectures.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://spcoe.in/criteria-4/

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The Institute encourages and provides facilities for students to participate in various extra-curricular activities in order to build team spirit and leadership qualities. Institute has sport coordinator, cultural coordinator who looks after all the cultural, sports and extracurricular activities in the college.

Sports: The Institute has adequate playground, for several sports such as football, cricket, volleyball, kho-kho, kabaddi.

Games: Students are encouraged to participate in different sports like table tennis, carom and chess.

Yoga: Facility for Yoga is available at the facility block in the college building. The college has provided regular yoga training for staffs and students.

Cultural Activities: The College has a committee for cultural activities. This committee along with the staff and students of the college organizes an annual cultural function. The aim of such cultural activity is to provide a platform for students to show their talents and organizational skills.

NSS: Institute has its NSS unit which runs as per the guidelines of the Savitribal Phule Pune University; The NSS unit in the college provides a platform for various social activities such as: Awareness about rural culture. Participating in various Gram Swachchata Abhiyan Camps, Creating social awareness among them.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://spcoe.in/criteria-4/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

11

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://spcoe.in/wp-content/uploads/2022/06/ICT-tool.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

3.88

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Institute has the Library Management software "Vridhhi" which is

really helpful tool to manage the library functions and makes the operations fast. Library receives the students and staff data from the admin section and this data are further used for maintaing the books transactions done by them. Use of software will help to reduce the paper work to maintain student's records. Facility The library automation software helps to keep track of all the existing books. There will be a unique Id for every book along with Bar code which helps in Issue-return functionality. While issuing a book, librarian enters the barcode in Library Management software and an entry is made into the library automation software for the specific book against the specific student or faculty member. Librarian can define the number of the books which can be issued to a specific student in the library automation software. Daily/monthly/yearly reports can be generated from the library management software.

Name of the ILMS software

Nature of automation (fully or patially)

Version

Year of automation

Vriddhi

Partially

2.0

2012

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://spcoe.in/criteria-4/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

2.26

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

18

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The summary of all the facilities are provided below: College has comprehensive IT policy to support and facilitate the teaching, evaluation, research and administrative functions of the College through an supporting environment, providing a wireless, high speed network, secured from intruders, with regular data backup

and recovery techniques along with licensed software and servers for better performance and flexibility.

The college IT policy encompasses the following:

- Enforce secure and authenticated accessibility
- Ensure seamless connectivity to all users in the campus
- Support administrative and academic activities of the institution
- Provide accurate and transparent campus management
- Timely back-up and storage systems

Institute has computer and internet facilities In line with AICTE standards, SPPU syllabi and technology upgrade. The institute follows a standard procedure for facility and upgrade. All the Computer system systems are connected to high speed internet via switches and central server. The entire building is connected through centralized server room. Staff & students are provided with Wi-Fi facility.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://spcoe.in/criteria-4/

4.3.2 - Number of Computers

251

File Description	Documents
Upload any additional information	View File
List of Computers	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

14.81

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Computers and Other Equipment's in different Laboratories

- The college has adequate number of the computers with high speed internet connection and the application software's. System up gradation is carried out according to the requirement of the software.
- At the end of every semester stock verification of departmental laboratories is carried out by Staff & respective lab in charge to check out minor, major faults and misplacements of the instruments under the supervision of Head of the department.
- Minor and major faults are listed out and maintenance of minor faults is carried out by lab assistants.
- Maintenance of Major faults is carried out by the external resources.
- Once all maintenance is completed, lab incharge, subject

teacher and lab assistants 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.

Classroom:

- The maintenance of switches, fans, tube lights 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 books is carried out such as binding of books.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://spcoe.in/maintainance/

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

297

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

319

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://spcoe.in/soft-skill/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

72

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

72

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression**5.2.1 - Number of placement of outgoing students during the year****5.2.1.1 - Number of outgoing students placed during the year**

46

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year**5.2.2.1 - Number of outgoing student progression to higher education**

0

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

0

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

0

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

SPCOE objective is to thrive global development in 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 and intellectual activities in an integrated manner. The organization objective is to promote cooperative and valuable leadership within student association at the Student council. The student council engages students in many activities apart from their regular academic work to showcase their talents. In current academic years, SPCOE students have participated in many seminars, trainings, technical activities, cultural and Sport events organized by institution and many others organized by leading corporates. Team of students carry out various task and different activities such as Blood Donation Camp, Swachha Bharat Abhiyan, Yoga Day, Tree plantation and different jayanti mohostovs etc. Most of the committees include student's representation. The student's representatives serve in almost all the academic and administrative bodies of the college such as student's council, Anti Ragging Committee, Anti sexual harassment Committee, Training and Placement Cell, NSS, etc. The role of Student Representatives is to disseminate the

information from the college administration to all students and maintain conducive and anti-ragging ambiance in hostel and college premises.

File Description	Documents
Paste link for additional information	https://spcoe.in/gallery-2/
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

12

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The institute has established an Alumni Association. Alumni Association contributes actively to the growth of the institution. Alumni network is utilized to encourage entrepreneurship development. Alumniconduct guest lectures in college about Career Guidance, Personality Development, Interview facing etc. Alumni are connected to institute through group, mail platform and regularly posts vacancies in Industry on the institute's group through which all students get the updates. Alumni also help in the placement of students through references. They also contribute in arranging expert talk and conducting seminars related to recent trends in the industry.

Alumni meetings help in understanding the various expectations from the institute and their feedback helps in improving policies of quality enrichment of institute.

Alumni Meet (2022) was organised on 25.05.2022 at 7.00 pm at Nilam Garden Dingore, Pune. Principal along with Head of Departments of SPCOE College were present. Total participation for the event was 212 including Alumni, faculties and student Committees. The event started with an open house where alumni interacted with the College faculties and they also visited the departments which was along with tea and snacks. On the occasion of alumni meet alumni from the last year batch of 2021 were felicitated. 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 for the time spent in the college.

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

File Description	Documents
Paste link for additional information	https://spcoe.in/alumni/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

The institute aims at the holistic development of students and teachers by implementing education and other initiatives to meet the strategic development of goals of the institute. Transparency is maintained in administrative affairs of the college for unique

work culture and an excellent academic environment is available for the students and faculty. It aims at becoming a premier institute in engineering and management education with state-of-the-art facilities and good Industry Institute Interaction.

Nature of Governance

The top management including Board of Trustees, Governing Council, College Development Committee, Principal, Department Monitoring committee and faculty focus on institutional goals as follows

- Top management directs principal focusing on vision and mission of the institution.
- The Principal consistently follows top management policies to achieve the vision with the support of staff.
- Principal, IQAC Director, Deans, Registrar and Head of Departments come together to form different committees to provide 'Decentralized Administration' to achieve institution's objectives and goals put forth.
- The Heads of Department in consultation with the faculty prepare academic and administrative plans of the department which are discussed and finalized in meetings with the Principal and IQAC.
- These plans are monitored by IQAC periodically by a way of academic monitoring, examination results, student feedback, faculty appraisals, research publications, academic and administrative audits, training programs for faculty and students, and preparing the annual reports. IQAC also ensure that they are in line with Institute's Vision, Mission, and Quality Policy.

File Description	Documents
Paste link for additional information	https://spcoe.in/our-mission-vision/
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Response:

The organizational structure of SPCOE is a blend of professional well-defined administrative structure. All the HOD's are members of the IQAC, they monitor the quality of all these activities of the institute. The faculty members are given the responsibilities of handling statutory and non-statutory committees independently which are framed to perform specific functions and responsibilities. The involvement of faculty members is seen in all aspects of academic and administrative activities.

The teaching-learning process is monitored by the IQAC , which include senior faculty members who periodically discuss academic and non-academic issues. The HOD's allocate course to the faculty well in advance based on expertise and the subject choice given by the faculty. The HOD's ensures that the academic calendar and timetable of the department are prepared by incorporating regular academic activities proposed by SPPU and additional activities suggested for the overall development of students by the IQAC.

Participative Management:-

Involvement of stakeholders (GC, IQAC and AMC) in College promotes culture of participative management. Therefore the committees are set up to execute predefined strategies that emphasize active stakeholder involvement as mentioned below,

- Top Management Level
- Governing Council
- Principal's Administration
- Dean academics
- IQAC
- HoDs Level/ In-charge / Coordinator Level
- Faculty Level
- Students Council
- Students Association
- Cultural and sport and other activities

File Description	Documents
Paste link for additional information	https://spcoe.in/governing-body/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Response:

The institutional strategic plan is to undertake the efforts to develop students through various capacity building and skill enhancement initiatives. The institute has established and ensured the quality academic practices and procedures for excellence in teaching learning process. Based on the information collected through various stakeholders, the institution always strived to improve its quality of programs. For overall growth of the students, the institute has introduced various capacity building and skill enhancement initiatives so as to make them employable resulting in good placements. The institute is committed for the overall development of students which involves curricular, co-curricular and extra- curricular activities.

STRATEGIC PLANS AND ITS IMPLEMENTATION ARE GIVEN AS UNDER (For year 2020-2025)

1. STRATEGIC PLAN-TEACHING AND LEARNING.
2. STRATEGIC PLAN-RESEARCH AND DEVELOPMENT.
3. STRATEGIC PLAN-TO ESTABLISHES BETTER ACADEMIC PRACTICES AND PROCEDURES.
4. STRATEGIC PLAN-QUALITY OBJECTIVES.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The management of the college, Governing Body, Principal, IQAC, AMC, and Head of the department, Teaching Staff, Librarian, Office Staff, Establishment Section, Student Section, Account, T&P Cell, and Student Development Cell are the essential components of college organizational structure.

The Governing Body, SPCOE Principal, Heads of Departments,

Teaching staff, Non-teaching personnel, and Support cells/Departments are the essential components of the college's organizational structure. It examines the institutional strategic plan, which establishes the institution's academic goals and objectives as well as its financial and recruiting tactics. Several stakeholders of the institute are members of the institution's various committees.

IQAC Cell, Anti-ragging Cell, and other University/Government norms are also in existence for the institution. The academic and administrative leadership of the college is provided by a number of committees with well-defined duties. The planning, execution, academic audit, and assessment are handled by a committee made up of administrative employees and faculty members. Through independent flexibility for departments and a participatory decision-making process, an optimal amount of decentralization is achieved. Recruitment process is in accordance with norms of the university. Regular student feedback on improving quality of Teaching and Learning process are taken twice in a year for timely corrections.

File Description	Documents
Paste link for additional information	https://spcoe.in/about-us/
Link to Organogram of the institution webpage	https://spcoe.in/goals-objectives-strategic-plans/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Welfare Measures for Teaching and Non- Teaching Staff

1. Welfare measures for teaching staff:

- Salary as Per norms
- Permissions to staff members for higher education.
- Free transportation to all faculty members.
- The faculty is honored with an incentive in the form of cash for various distinguished merit activities in the field of academic and research.
- Sabbatical leaves will be sanctioned with full pay to the teaching staff for attending FDP/Workshop/Conferences.
- Maternity leaves are given for women faculty .
- Appreciation for the faculty members for their outstanding work.

1. Research and Development Incentives for Teaching Staff

- OD's are given for staff members for presenting papers in conferences and workshops in other establishments at least once in a semester.
- Sanction of TA and DA for out station conferences in deserved cases.
- Allow faculty to attend conferences and workshop acquire knowledge on advanced topics at least once in semester, by sanctioning OD.

1. Welfare Measures for Non- Teaching Staff

- Salary as Per norms

- Permission to staff for higher education
- Admission to wards of staff on priority basis
- Uniform is provided for supporting staff.
- Maternity, vacation is sanctioned for the required staff.
- Free transportation to all the faculty members.
- Appreciation for the faculty members for good work.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

28

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

14

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The Institute has a well-established system for appraisal of teaching and non-teaching staff. It is mandatory for all the teaching and non-teaching staff to annually submit their appraisal form at the end of the academic year. The teaching and

non-teaching staffs have different formats of appraisal forms. The performance appraisal system consists of self-appraisal and appraisal by the reviewing officer. For evaluating performance of a professor more emphasis is given to their research contribution whereas for assistant professors more emphasis is given to the student centric activities.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute conducts transparent internal and external financial audits periodically. The internal financial audit is carried out in each half of the financial year which is carried out by Mr. Manoj Paliwal working with the institute's accounts department. The copies of invoices, vouchers, and supporting documents related to the expenditure are maintained in the respective department, and the original documents are sent to the accounts department of the institute. All the documents are verified by the accounting officer and discrepancies if any are brought to the attention of the head of the department for immediate rectification. The accounts department consolidates all the expenditures made in the financial year.

Every financial year, the external financial statutory audit is conducted by a chartered accountant Mr. Deepak Sasar. A comprehensive examination and verification of all the financial transactions are carried out. All observations and objections of the auditor are communicated through their report to the institute. These are examined by the Principal, the internal auditor, and the accounts department. The short comings in the auditor's report are addressed and rectified through compliance with necessary supporting documents within the stipulated time limits.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

62

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The institute has an effective system at place to track how well the financial resources are being used. The financial budget for the academic year is prepared by considering all the possible incomes and expenditures. Being a self-financed college, the primary source of income to the college comes from the fee paid by the students. Every year the college fees are approved by the management, Government of Maharashtra by considering various expenditures of the institute including the audit reports. Accordingly utilizes the sanctioned funds for organizing various activities as per the norms of SPPU.

1. Resource Utilization Strategies

At the beginning of every academic year, all the departments prepares a budget based on the requirements, such as the purchase of equipment, instruments, consumables, etc. The financial requirements of each department are compiled and forwarded to the Principal's office. The Principal's office reviews the budget and presents it to the Management for approval. The management

critically reviews the budget and after necessary modifications / corrections, it approves the budget. Once the budget is approved, the Heads of the Departments can proceed with the planned activities.

1. Salaries of the Employees
2. Augmentation of Infrastructure
3. Laboratory expenses and other Consumable
4. Repairs and Maintenance
5. Library expenses

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

To enhance the quality improvements in the academic process and also as a pre-accreditation exercise Internal Quality Assurance Cell (IQAC) was formed in our institution. The IQAC cell is coordinated by a team of faculty members from all the departments. The objective of the cell is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institution at all levels with the involvement of all stakeholders towards quality enhancement through internalization of quality culture and institutionalization of best practices.

This can be delineated with following examples amongst others.

1. To explore the students to the industrial environment through online webinar in plant training, internships.

The college organizes webinars for the students to explore them to the industrial activities and motivating them to attend webinars to enhance their knowledge and exposure to the industrial development. Faculties and students have published research papers to cultivate research culture in the institution. IQAC encourage students and faculty members to actively participate in

research activities and to attend online conferences and workshops and motivate to publish research papers in UGC approved journals.

2. External Collaborations:

Faculty members were motivated by the IQAC committee to collaborate with various organizations for mutual benefit. This has resulted in an increase in the number of Memorandum of Understanding (MoU) signed between various organizations. These measures have helped the students to gain hands-on experience about the functioning of the industry and further prepared them for industrial jobs.

File Description	Documents
Paste link for additional information	https://spcoe.in/mous/
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Response:

The institution reviews its teaching-learning process through IQAC. IQAC conducts meetings and collects suggestions from students, parents and alumni about improvement of the teaching-learning methodology. Based on suggestions given by the various stakeholders, institute modify the teaching plan and time table by including aptitude slot and personality development classes to improve students quality in terms of skill development and placements. These changes are suggested by IQAC members and approved by the governing body. The IQAC planning body decides the academic calendar at the starting of the semester, based on this all the activities in the semester are scheduled. The four phases of IQAC monitoring during the teaching learning process are

1. Preparation/ Planning :

At the starting of the semester every department submits plan for Course initiation, completion. assessment process and innovative approaches towards Student Centric Learning Process.

2.Implementation:

Every subject teacher implements their teaching plan. During this implementation, if any difficulty faced by the faculty, it is discussed with the head of the department. The continuous evaluation and assessment is strictly as per instructions by IQAC.

3.Monitoring:

The teaching-learning process is monitored every month through audits by IQAC.

4.Analysis:

Based on the monitoring report the analysis is carried out and assesses the difficulty faced by the students and faculties.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

SPCOE is keen in bringing awareness among the students about Gender Equality and Gender Sensitization by giving equal consideration to the girl students with respect to their identity and personality to be expressed on equal footing. It aims to make the students aware of gender equality and empowerment in a broader sense and constituted various committees like Anti-Sexual Harassment, Anti-Ragging Committee, Women Grievance Cell and Student Grievance Cell to wipe out the differences among boy and girl students.

The issues are catered by providing counseling and guiding the students periodically. These Grievance cells conduct special classes, seminars, awareness programs and other activities to the students to bring awareness in students about the sensitive issues and the laws laid by the Government. These Grievance cells put its continuous efforts to make resolutions, recommendations up to date for relevant changes in order to prohibit and eradicate discrimination and harassments meted out by girls.

SPOC has student counseling committee consisted with mentors (faculty members) and each student is allotted with a particular faculty member who will be his/her mentor/counselor till the end of his/her course which improves a hygienic relationship in students.

Separate common rooms are provided for Girl and boy students. 24/7 the college and college premises are continuously monitored by CCTV's and Fire extinguishers are also mounted in all

laboratories.

File Description	Documents
Annual gender sensitization action plan	https://spcoe.in/wp-content/uploads/2023/06/Annual-Gender-Sensitization-Action-Plan.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://spcoe.in/wp-content/uploads/2023/05/Specific-Facility-Provided-for-Women.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

SPCOE has adopted a well-developed waste management system for greater efficiency and sustainability of managing degradable and non-degradable wastes. Risks and uncertainties in the disposal of waste is also overcome by the sound knowledge. Waste generated in the college is segregated, recycled and reused to a maximum extent.

- 1. Solid Waste Management: Solid Waste generated from the institute, hostel, and canteen is segregated into organic and inorganic waste. This segregated waste is collected and processed separately. The bio-degradable waste is put into a pit to decompose and later utilized as a natural fertilizer. The non-bio-degradable waste is sorted and collected by Gram Panchayat authorities.**

2. **Liquid waste Management:** Waste-water from different sources is collected in to ponds and used for gardening and watering trees.
3. **E-Waste Management:** The electronic waste is stored separately and it is handed to a retailer or to a recycling center for proper disposal.
4. **Hazardous waste Management:** The hazardous chemicals from the chemistry lab is collected and disposed off in a pre-defined and to a safe location to ensure that no harm comes to those who may come into contact with them. SPCOE follows standard methods for the disposal of hazardous waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	C. Any 2 of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

SPCOE has been taking several measures and initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities. Commemorative days like Women's Day, National Youth Day, Yoga Day- Importance and Benefits of Yoga along with many festivals like Ganpati Utsav, Shivjayanti Utsav and Holi are celebrated in the college.

SPCOE conducts various cultural programs to celebrate cultural diversity of India and to create harmony towards each other. To prioritize this Traditional Dress Competition and Fashion Show is organized on 'College Annual Gathering Day', where students come with different attires representing cultural, regional and linguistic diversities.

To cater the linguistic diversity, Marathi Bhasha Divas is organized in the college. 'Mahatma Gandhi Jayanti' is celebrated as 'Non-violence Day' and on this day Mahatma Gandhi's birthday is celebrated and the contributions to the independent India through the cause of non-violence is remembered by cherishing his noble ideas.

To promote socio-economic harmony, SPCOE invites and welcomes old orphans from 'Rajaram Patil Vrudhasharm' to make the staff and students aware of the social harmony. In order to inculcate the said qualities Motivational lectures by eminent personalities are conducted to help students in becoming their personalities and to become responsible citizens and uphold the national values in society and at the national level at large.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

SPCOE is committed to inculcate the constitutional values among its stakeholders to promote an environment of unity in diversity. Our institution conducts several activities and events to inculcate Human and Constitutional values including Fundamental Duties and Rights among students which are essential for the citizens in protecting themselves from arbitrary powers exercised by the government.

Additionally, the institution organizes an Orientation Program for the Students at the beginning of the Academic Year. The Program caters the barriers of their rights and responsibilities. Ethical practices and responsible behaviors expected from the students are conveyed in the program. All mandatory committees like Anti Ragging cell, Women's Grievance Cell, Student's Grievance Cell, Anti Sexual Harassment Cell are active and functioning.

Constitutional Day is celebrated on 26th of November every year. On this day, institution renews its commitment to the Constitution by verbatim reciting the Preamble. Our Institution also organizes programs like Independence Day, National Voters Day, National Anthem Day, National Unity Day, Swacch Bharat Abhiyan, Nirbhaya Kanya Abhiyan, Gender Equity program for inculcating awareness and recalling to the students about their duties, rights and responsibilities of this great nation.

To protect and restore the Earth, World Environment Day is celebrated every year with great zeal by sapling trees in campus.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://spcoe.in/wp-content/uploads/2023/05/7.1.9-Sensitization-of-Student-and-employee-of-the-Institution-to-the-Constitutional-Obligations.pdf
Any other relevant information	https://spcoe.in/wp-content/uploads/2023/05/Relevant-Information.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website. There is a committee to monitor adherence to the Code of Conduct. Institution organizes professional ethics programmes for students, teachers, administrators and other staff. 4. Annual awareness programmes on Code of Conduct are organized.

B. Any 3 of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

To build a nation of Youth who are noble in their attitude and morally responsible, the college organizes and conducts several activities to build and promote an environment for Ethical, Cultural, and Spiritual values among the students and staff. To develop emotional and religious feelings among the students and the faculty, commemorative days are celebrated in the campus with the initiative and support of the management not only for

recreation and amusement but also to generate the feeling of oneness and social harmony. All staff and students of the institution make incredible efforts in celebrating the national and international days, events and festivals throughout the year.

Apart from classroom activities, institute also takes measures to celebrate various festivals to understand our country's traditions like, Dashara and Holi. To recall our country's national heroes our Institution celebrates birth anniversaries of Vinayak Damodar Savarkar, Savitribai Phule, Sant Gadge Maharaj Jayanti, Shree Gajanan Maharaj Prakat Din and Mahatma Jyotiba Phule Punyatihi.

Institution also celebrates national important events like Engineer's Day and Teacher's Day. All these days have the rich history of our nation. The celebration of these events, memorial days and festivals are very helpful in inculcating moral values in the young minds.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

1. Title of Practice: Green campus Initiative and Pollution free campus

The institution has a system for green-audit, environment audit and energy audit which are carried out informally by the National Service Scheme (NSS). The use of plastic bags is avoided on the campus. In this regard the authorities are planning to declare the entire campus as 'No Plastic Zone'. Separate dustbins labeled as 'Use Me' are placed on the campus for waste. The students and staff have planted several saplings during various plantation programmes organized by the institution through NSS wing. Institute emphasizes

- To save human beings from the effect of environmental pollution and preserve natural resources and systems.
- To implement Reduce/Reuse/Recycle policy on the campus.
- To support and implement "Swachh Bharat Abhiyan" for healthy India.
- To organize Tree Sapling drive on environment-related issues.

2. Research Activities for Students and Faculty.

The institute encourages best practices and institutional distinctiveness by creating and developing competent engineer professionals. The institute emphasizes on promoting the research activities to develop the skills and to nurture the curiosity of the students. Institute Practices

- To enhance and achieve consistency in research activities.
- To motivate the faculty and student for writing Research Papers.
- To provide avenues for professional development and networking.

File Description	Documents
Best practices in the Institutional website	https://spcoe.in/a-y-2021-22-2/
Any other relevant information	https://spcoe.in/wp-content/uploads/2023/05/Two-Best-Practices-Additional-Information.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Building moral values and social responsibilities in the students and staff members are the part and parcel of the philosophy of the nation and its educational system. Love, affection, faith, caring for each other and satisfaction is disappearing from one's life. To find a solution for such social issues the first step is to impart moral values in the students and the staff members. In connection to this one-hour lecture on Bhagwatgita slok in Sanskrit, meaning and interpretation is explained daily. In turn, sessions on Samarth Dasbodh Chintan and Santh Tukaram Gatha with hidden meaning is given in college.

Majority of people in India has Farming as their Profession. Due to excessive use of fertilizers, chemicals and insecticides by the farmers result in spread of varied diseases in the society. Through lectures students are made familiar about Zero Budget Farming without using any chemicals, fertilizers and insecticides.

A concept of 'Panchgavya Chikitsa' treatment is introduced to the students. Different in-house audit subjects like

- 1) Swastha- Rahasya
- 2) Ashtang Hrudayam and Ashtang Sangraham
- 3) Pranayam and Yogasan
- 4) Zero budget and Natural Farming
- 5) Srimad Bhagwat Geetha
- 6) Dasboth Chintan
- 7) Sanht Sarth Tukaram Gatha
- 8) Dnyaneshwari-Bhawartha Dipika

are introduced.

Thus, a step is taken to incorporate real happiness in the heart of the students and the staff members.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- To Collaborate with Industries and Setting up of Industry Institute Partnership.
- To encourage and facilitate research culture and focus on Research and Development activities to the faculty and students.
- Organizing seminars, FDP's and workshops on research activities, research methodology, writing of research

papers and others for faculty and students to increase the number and quality of publication.

- To organize interdisciplinary seminars, workshops, conferences, and extra courses pertaining to the course curriculum.
- To encourage faculty members to have knowledge on the trending courses like IOT, Block chain, Machine Learning, Artificial Intelligence, etc. and share their knowledge to students.
- To Inspire students for online certified courses in improve their skills.
- To upgrade library resources in digital content and provide the Digital Content in the form of video lectures and digital material to be made available to the students and faculty.
- To motivate the faculty and students for enhancement of their skills and higher education.
- To inculcate social responsibility and social awareness among the students and faculty.
- To organize more community-based service activities to contribute to the wellness of the society.
- To adopt Eco-friendly measures.
- To increase and make availability of sport equipment's and facilities in the auditorium for indoor and outdoor games.