



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

## **SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING AND TECHNOLOGY**

**GAT NO. 53, WAGHALWADI, POST SOMESHWARNAGAR, TAL BARAMATI,  
DIST PUNE, MAHARASHTRA 412306**

**412306**

**[www.secsomeseshwar.ac.in](http://www.secsomeseshwar.ac.in)**

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**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**September 2022**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Shri Someshwar Shikshan Prasarak Mandal's Sharadchandra Pawar College of Engineering and Technology, Someshwarnagar is a leading and well known Engineering College , Maharashtra, India. It is approved by AICTE New Delhi, Government of Maharashtra and DTE Mumbai. The institute is affiliated to Savitribai Phule Pune University (SPPU).The College was established in 2012 with the objective of providing quality technical education and to help rural students to match contemporary global requirements. It is financially supported by The Someshwar Sahakari Sakhar Karkhana Ltd. Someshwarnagar Tal: Baramati, Dist: Pune.

The institute offers Engineering Courses in Mechanical Engineering, Civil Engineering, Computer Engineering and Electrical Engineering as per Savitribai Phule Pune University Curriculum.

### **Vision**

Our vision is to achieve excellence in technical education and make the engineers for socio-economic development of rural India.

### **Mission**

To prepare rural students for a productive and rewarding career in engineering profession.

- To provide students with comprehensive knowledge and fundamentals of engineering.
- To create barrier free environment through technical education in rural area.
- Development of technical human resource for socio-economic development of rural India.
- To impart value education and skill through technical education.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### **Institutional Strength**

1. Institute is supported by industry such as Someshwar Sahakari Sakhar Karkhana (Someshwar Sugar Factory), Someshwarnagar.
2. Good infrastructure and located in environment friendly area.
3. Students from rural area can take the technical education with affordable education cost.
4. Safe and Secure learning environment.

### **Institutional Weakness**

1. Less placement of students through Campus placement
2. Faculty retention ratio is low

3. Insufficient focus on research publications.
4. Less number of PhD faculty

### **Institutional Opportunity**

1. Inculcation of various skills among the students with regular curriculum.
2. More focus on interaction with nearby industries.

### **Institutional Challenge**

1. This institute is located in rural area so it is difficult to avail the benefits of industries from urban area easily.
2. Keeping pace with fast changing technology.
3. To attract the students from urban areas.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

Sharadchandra Pawar College of Engineering and Technology (SPCOE&T) (Formerly known as Someshwar Engineering College) is an affiliated college adheres to the curriculum prescribed by the Savitribai Phule Pune University (SPPU). The Institute delivers the curriculum according to department calendar which is prepared in accordance with institute's calendar followed by academic calendar of the SPPU, Pune. The institute's Vision and Mission statements, PEOs, POs, PSOs and COs are displayed at appropriate locations so as to reach the stakeholders. The Institute has strategic planning for effective implementation of the curriculum. Various curricular activities, co-curricular and extra-curricular activities are carried out in the institute. Every faculty member with proper planning does the course contents, course outcomes and identification of curriculum gaps that are based on pre defined POs and COs keeping in line with the vision and mission of the institute. The academic flexibility is provided to the students by offering various elective courses. The final year students undergo field projects every year. The faculty members are encouraged to take part in faculty development programs, seminars and workshops conducted by various institutions. For the improvement of the quality, frequently the feedback is collected from all the stakeholders like students, parents and alumni about the academic performance and completion of the syllabus. The faculty members are instructed to prepare course on the commencement of the semester. The course file contains course outcomes, syllabus, and complete schedule of the topics that are to be covered during the semester period. Apart from the above students are encouraged and supported by the training and placement department which undertakes internships and industry projects. The institute has registered for NASSCOM portal to upskill our students. The institute has signed MOU with Capgemini Digital Academi, Thane to enhance students and faculty skills.

### **Teaching-learning and Evaluation**

To enhance the teaching-learning experiences of the students, we conduct experiential learning, participative learning and problem-solving methods. One classroom of each department is equipped with projectors for more effective, efficient teaching and training. SPCOE&T has maintained student to faculty ratio of 20:1. Students are free to bring the grievances pertaining to the results and the same are forwarded to university by examination department for further action. The major and mini projects are done by the students are reviewed twice and technical seminars are reviewed once.

The activities for the experiential learning includes:

- Guest lectures on topics relevant to employment skills by experts from respective organizations / industry.
- The students also participate in NSS and several other social activities, which gives them a lifelong learning.
- Study tours, internships, and industrial visits to provide industrial exposure.

The activities for the participative learning include:

- Question-answer sessions/quizzes, blended learning and model making methods introduced for selected topics to enhance participative learning.
- Participation in Hackathons, project competitions.
- Use of prototypes and cut section models, animations.
- Proficiency in soft and communication skills through lab sessions, seminars, presentations, group discussions, continuous evaluation (through oral exams) in lab sessions, etc.
- Encouragement for entrepreneurship and Startup activities through Startup and Innovation cell.

The Problem-solving methodologies include

- Encouragement and guidance to participate in state and national-level competitions.
- Registration and completion of MOOCs courses.

### **Research, Innovations and Extension**

The faculties are encouraged to participate in various seminars/workshops/ conferences and to keep abreast of latest knowledge and technology. Faculties are provided financial assistance and encouraged to present papers in conferences and journals. The Institute encourage faculty members to pursue PhD for their career growth and advancement. The institute has good infrastructure facilities in terms of library resources. In order to create research culture among students and faculty. Institute has established Start up and Innovation Cell. In the past years, a number of extension activities and outreach programs were conducted through NSS. The institution has several collaborative works in the form of internship, field trip through department collaborations with industries. The institution has signed MOUs with the industries which provide research extension activities.

The institute also organises a number of co-curricular and extracurricular activities to sensitise students on social issues and for holistic development. Some of the activities that were conducted are listed below.

- International yoga day
- Blood donation camp
- Sahajyoga sessions

- Haemoglobin checkups of Girl students
- Harit dindi, Nirmal dindi
- Seminar and Exhibition of Baba Atomic Research Centre, Mumbai.
- Cycle Rally
- Women's day celebration
- Annual Gathering
- Induction Program
- Lecture of Dr. Jayant Naralikar on discovery of life on earth.
- Library day celebration
- Essay writing competition

Institute has an established National Service Scheme (NSS) unit. As a part of NSS activities, institute has arranged NSS camp in Karanje (Someshwarnagar) in the year 2019-20.

Different activities carried out during camp are as follows-

- Lecture on Energy Conservation and its importance on 27th January 2020 by Principal of Someshwar Engineering College Dr. Sanjay Deokar
- Lecture on NSS aims on 28th January 2020 by Prof. Nikalge R.M.
- Lecture on Competitive Exam and social works on 29th January 2020 by Mr. Ganesh Sawant.
- Lecture on Engineering Goals and Opportunities on 30th January 2020 by Vice Principal Dr.Sharad Gawade.
- Village area cleaning
- Drawing Competition
- Street Play
- Tree Plantation
- Snake Awareness camp
- Shivjayanti

### **Infrastructure and Learning Resources**

The Institute has a 7.5 acres of land with a built up area of about 12,600 Sq m with spacious structures for class rooms, labs, drawing halls, board room, seminar halls for all the departments, exclusive training & placement cell, examination room, ample space for outdoor and indoor activities, ramps for physically disable students, library and other administrative offices. One class room of each department has been equipped with ICT facility. The library has 1350 titles, 9022 Volumes of books. It has a collection of back volumes, project reports and print journals, magazines, NPTEL material etc. Digital library services unit has 10 computers with a 100 Mbps internet connection. The Institution has the practice of collecting and maintaining rare books to benefit students and faculty for their knowledge enhancement, research and exploring new things. Details of collection of some of the rare books, manuscripts, competitive examinations books such as MPSC books, GATE, GRE, and MHCET etc. are maintained properly. Also, the librarian places orders for all required books as per the needs of the students. Institution has IT infrastructure facilities in terms of hardware, software and regularly updates as per needs. The Institution has network of 150 configured computers with 100Mbps leased internet connectivity to fulfill the academic and research needs. The institute has CCTV cameras and internet hotspots fitted at different locations in the college. For maintenance of campus facilities, the Institution has framed various committees, who constantly look after the general civil maintenance and up keeping of infrastructure, garden, security and the surroundings of in and around the campus. Institute has installed centralized RO water

plant as well as individual filters for each water cooler. Purified RO Water Plant is fulfilling the needs of all the students, faculty and supporting staff. Ladies hostel with facilities such as hot water, wi-fi and in-house mess, for 110 girl students is available in the campus. The institute has registered for NASSCOM portal to upskill our students. The institute has signed MOU with Capgemini Digital Academi, Thane to enhance students and faculty skills. The institute has implemented hybrid education learning concept.

### **Student Support and Progression**

Sharadchandra Pawar College of Engineering and Technology conducts student support activities which include academic, co-curricular & extracurricular for the academic progress and to have better exposure for students in Higher Education. Besides the scholarship provided by the government of Maharashtra, the institute has provided financial support to EBC, OBC students in the tuition fees during last three years . The institute provides guidance for the students to support with regarding the competitive exams like GATE, RTO Inspector examination and MPSC examination. Around 450 students have utilized the guidance opportunity. For the overall growth of the students career counseling is also offered through mentors. They are motivated and encouraged as far as soft skills training and advanced communication skills are concerned. So as to make the student technically competitive along with communication skills and interview skills, preplacement training with renowned agencies like Capgemini and FUEL is conducted. There is a transparent mechanism for the redressal of their grievances with regarding anti-raging & sexual harassment. SPCOE&T conducts Alumni Association which meets every year. The institute also celebrates various occasions viz Teachers Day, Independence Day, Republic Day and many more. The Innovation and Start-up Cell is working with a sole aim of motivating the students who aspire to be entrepreneur.

### **Governance, Leadership and Management**

All policies in the matter of planning human resources, recruitment, training, performance appraisal and financial management are carried out systematically considering the overall interests of the institution and stakeholders. The institution has a well defined administrative structure for effective governance and for building the organizational culture. Main body of the administrative structure comprises the Governing Body, Principal and Academic Committee. The institution functions with de-centralized administration that has complete transparency in decision making process. The Governing Body has delegated powers to the Principal to conduct academic institutional development, curricular, co-curricular and extra-curricular activities. Principal is the head of the institution to plan and execute the activities of academic and administrative responsibilities through various committees. The Principal in turn has to delegate certain powers to HODs and office staff. Academic Committee is monitoring the human resource planning, resources needed to department and execute the same to fulfill the needs, which are addressed by the department. Thus, all the stakeholders are involved in achieving the Vision and Mission of the institution. The institute IQAC cell to improve the quality in education. For sustaining the quality of institute, experts from industry and academia are involved as member in the IQAC cell. Faculties attend the faculty development programme, workshop and training programmes for improvement of academic performance. The performance appraisal system is implemented to all the employees to have accountability. Financial management of the institution is transparent and follows the established norms with respect to resource mobilization, allocation of budget and utilization. There is regular internal as well as external audit of income and expenditure.

### **Institutional Values and Best Practices**

Institution gives foremost importance to human values and best practices. Human values are the foundation to the institute and produces graduates not only technically competent but also personalities with human values.

As the best practice institute celebration of Yoga day and arranges yoga program for teaching and non teaching faculty. We celebrate the yoga day every year. The purpose is to spread the importance of yoga among teachers and students. It also refreshes the faculty and students making them more enthusiastic. We have organized three days Art of Living session (Happiness Program) for all faculties from 26/09/2017 to 28/09/2017. Also we organized one week Sahag Yoga certificate course for all teaching and non-teaching faculty from 25/11/2019. During lockdown we were not able to arrange the yoga for faculty members in the institute.

We celebrate the national and international days like international yoga day, Independence day, republic day, women's day, world environment day etc. with great zeal among the students and faculty members.



## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	Gat No. 53, Waghalwadi, Post Someshwarnagar, Tal Baramati, Dist Pune, Maharashtra 412306
City	Baramati
State	Maharashtra
Pin	412306
Website	<a href="http://www.secsomeshwar.ac.in">www.secsomeshwar.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Sanjay Deokar	02112-283185	9823141287	-	sspm1972@gmail.com
IQAC / CIQA coordinator	Dr Sharad Gawade	02112-282060	9423221655	-	s_g212001@yahoo.com

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	30-07-2012



**University to which the college is affiliated/ or which governs the college (if it is a constituent college)**

State	University name	Document
Maharashtra	Savitribai Phule Pune University	<a href="#">View Document</a>

**Details of UGC recognition**

Under Section	Date	View Document
2f of UGC		
12B of UGC		

**Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)**

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	03-07-2022	12	

**Details of autonomy**

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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**Recognitions**

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	Gat No. 53, Waghawadi, Post Someshwarnagar, Tal Baramati, Dist Pune, Maharashtra 412306	Urban	7.5	12600

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Civil Engineering	48	HSC	English	30	1
UG	BE,Computer Engineering	48	HSC	English	60	44
UG	BE,Electrical Engineering	48	HSC	English	30	4
UG	BE,Mechanical Engineering	48	HSC	English	36	1

### Position Details of Faculty & Staff in the College

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	1				5				30			
Recruited	0	0	0	0	0	0	0	0	5	1	0	6
Yet to Recruit	1				5				24			
Sanctioned by the Management/Society or Other Authorized Bodies	0				1				30			
Recruited	0	0	0	0	1	0	0	1	3	6	0	9
Yet to Recruit	0				0				21			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				8
Recruited	8	0	0	8
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				11
Recruited	11	0	0	11
Yet to Recruit				0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	1	0	0	0	0	0	1
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	4	1	0	5
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	3	6	0	9
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	0	0	0	0	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	295	0	0	0	295
	Female	106	0	0	0	106
	Others	0	0	0	0	0

**Provide the Following Details of Students admitted to the College During the last four Academic Years**

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	4	3	8	1
	Female	5	0	8	1
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	17	9	10	19
	Female	9	2	0	5
	Others	0	0	0	0
General	Male	80	53	48	74
	Female	31	20	14	20
	Others	0	0	0	0
Others	Male	25	13	7	16
	Female	6	3	4	4
	Others	0	0	0	0
Total		177	103	99	140

**Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	So as to have the all-round development of the students – intellectual, aesthetic, social, physical, emotional and moral in an integrated manner, the Savitribai Phule Pune University has included
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	<p>multidisciplinary subjects as per the National Educational Policy 2020. Keeping in view the problems faced by the students, the college has started training the students by making MOU with the company like Capgemini digital academy, FUEL, SSSK Ltd., ASPIRE Knowledge and Skills and many more so as to upskill the students as per the industry need. The college offer the choice to the students for elective subjects so as to prepare themselves to have more of multi-disciplinary subjects to identify the programme learning outcomes along with courses and unit learning outcomes that define the specific knowledge, skills, attitudes and values that are to be acquired by the learner and would ensure that each programme achieves its goal.</p>
2. Academic bank of credits (ABC):	As we are affiliated to Savitribai Phule Pune University, we follow the guidelines laid down by SPPU, Pune.
3. Skill development:	The vision of the college is to achieve excellence in technical education and make the engineers for socio-economic development of rural India. hence the college takes efforts to inculcate positivity among the learners. The college has started arranging skill development programs for the students of different faculties as per their need. Mentoring students is also one of the practices of the institution, to enable students to explore future employment pathways after graduation, and help them to get the most of their studies.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Regarding the adoption of Indian languages, the college faculty uses various Indian languages like Marathi, Hindi etc. along with English while teaching the subjects in degree courses. Preservation and promoting of languages is one of the target of the college in future. In cultural events as well as in daily communication also we use the local language.
5. Focus on Outcome based education (OBE):	Institute has started to focus on outcome based education which are adopted as per the Washington Accord. Each department has prepared their Program Educational objectives and Program Outcomes. Every course has its Course objective and Course outcomes. The Course objective and Course outcomes for every course are prepared by University syllabus setting committee.
6. Distance education/online education:	The institute has started implementing hybrid mode

learning concept for the students. Keeping in view the convenience of the student, the various technological tools used by the faculties especially during the pandemic lockdown are Google classroom, Microsoft team, Zoom, Google meet, using videos as teaching and learning aids. Group collaboration , interaction and assessment are some of the institutional efforts towards blended learning.

NAAC



## Extended Profile

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### 1 Program

#### 1.1

Number of courses offered by the Institution across all programs during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
4	4	4	4	4
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1	1	1	1	1

### 2 Students

#### 2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
357	289	420	476	553
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
100	73	114	112	139

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 2.3

#### Number of outgoing / final year students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
92	114	63	107	141

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 3 Teachers

### 3.1

#### Number of full time teachers year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
28	34	37	40	30

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.2

#### Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
29	35	49	71	71

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 4 Institution

### 4.1

#### Total number of classrooms and seminar halls

**Response: 13**

**4.2**

**Total Expenditure excluding salary year-wise during last five years ( INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
36.45557	62.10599	71.24406	75.42620	80.96911

**4.3**

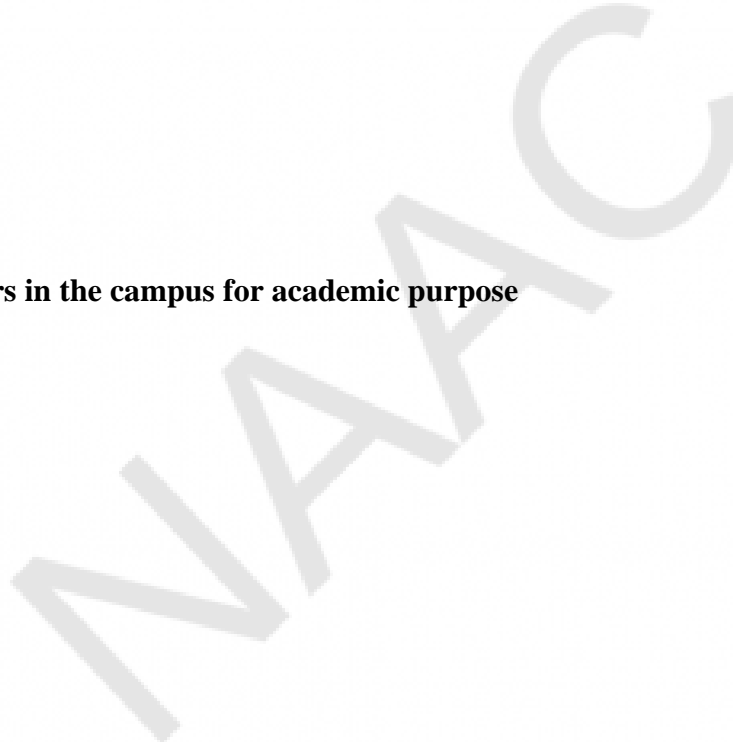
**Number of Computers**

**Response: 150**

**4.4**

**Total number of computers in the campus for academic purpose**

**Response: 118**



## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

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

##### Response:

Sharadchandra Pawar College of Engineering and Technology, Someshwarnagar (Formerly known as Someshwar Engineering College) has been established in 2012-13, hence it is affiliated to Savitribai Phule Pune University, Pune (SPPU) and follows the curriculum given by SPPU University. At the beginning of it each semester Principal call the meeting of all departmental Heads, Academic dean, Cultural secretary and committee head to plan the academic calendar of Institute by using the guideline from SPPU academic calendar. The calendar is finalized by dean and it is distributed to all departments to prepare departmental calendar. Before preparation of departmental calendar and commencement of next semester, faculty gives the information for elective subjects to the final year students which help them to choose best elective which are considered while taking subject choices from every faculty.

The head of the department allocates the courses to the faculty members as per their expertise adoption. Class wise and Course wise time tables is prepared for effective planning and delivery of courses. Faculty members prepare course file lesson plan, practical plan & laboratory manuals. Every semester each teacher prepares a **course file** which contains the following documents.

1. Academic calendar
2. Syllabus
3. Time table
4. Lesson Plan and Teaching plan
5. Roll Call list
6. Student attendance
7. Continuous assessment sheet
8. Teaching notes
9. Question papers
10. Assignments
11. Record of guest lecture

Each faculty prepares course plan and course notes, for executing day to day academic activities and the same is circulated to the students on the day of commencement of instructions. A clear plan to fill up the curricular gaps either by teaching content beyond the syllabus, invited lectures, workshops are included in the course plan. Faculties are encouraged to implement the curriculum through student centric learning methods, such as presentations, assignments, NPTEL lectures, group discussions, workshops, seminars, projects, industrial visits, etc., to upskill the students. For continuous growth, our faculties regularly update their knowledge through active involvement in workshop, seminars and faculty development programmes.

##### Curriculum Deployment:

Time table is prepared for every department and after finalizing it by concerned HOD and Principal then it is displayed on department's notice board. Due importance is given for **project work**, final year students are given Mega Project. The final year students are encouraged for sponsored project, also they are motivated to do internship.

**Industrial Visit and guest lectures** by experienced personalities from industries, education and research institutes are conducted regularly to ensure interface with industry and to know the recent trends in field of engineering.

At the end of semester the defaulter list is displayed. Parents are informed about the attendance, marks of unit test, online exams, tests conducted through telephone conversation. The academic performance of students is continuously and meticulously monitored by the class teacher and student counseling is done, before the end semester examination. Feedback for effective teaching learning is taken by students, and their suggestions are conveyed to the faculty members.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

### 1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

#### Response:

The academic calendar of the institute is an important document prepared at the beginning of academic year taking the reference of university calendar. The calendar is prepared with the inputs of examination committee, IQAC, etc. and then finalized by the Principal of the institute in IQAC meeting. The academic calendar acts as the guideline for the future action plans of the institute. It contains whole year plan right from the commencement to the conclusion of the academic year.

#### The Institute's academic calendar constitutes schedules of:

- Date of commencement and conclusion of semesters
- Curricular and co-curricular Activities
- Dissertation Viva-Voce
- Assignment Submissions
- Internal Prelim Examination/ Internal Examinations
- SPPU Online Examination
- SPPU Theory Examination
- List of Holidays

For transparency of functioning, both the University and the college academic calendars are placed on the college notice board and college website.

#### Given below are some significant concerns of circular aspects of academic calendar:

1. The institute's academic calendar follows SPPU's dates of commencement and conclusion of the

terms.

2. The department time-table coordinator prepare the semester time table in accordance with the institute's academic calendar.
3. The course teachers prepare their teaching plans based on academic calendar. The calendar schedules are considered while preparation of the session plans, dates of conducting continuous internal evaluation, etc.
4. The institute follows the schedules of theory examinations given by SPPU for university external examinations.
5. The Principal conduct meetings with the time table coordinator, faculty from individual departments, and entire staff including non-teaching as and when required to ensure smooth implementation of the activities as scheduled.
6. For the purpose of conducting continuous internal evaluation, teachers prepare their schedule of teaching and assignments in accordance with their allotted time table keeping the academic calendar and planned co-curricular activities of the college .

The students are informed well in advance about the deadline for assignment submissions, dates for presentations, as well as their final internal assessment marks. A criterion for assessment is also shared with the students. They are encouraged to seek guidance from teachers during the designated tutorial slots or the latter's free time. The mentors are informed to guide the students regarding academic framework with the extra-academic support that the students might require.

Project work, field work and presentation components of the syllabus and assessment are arranged keeping in mind the pre-planned academic calendars.

Institute manages to strictly adhere the academic calendar at its level best for proper conduct of activities and continuous internal evaluation. Sometimes, due to unavoidable eventuality the calendar is revised and schedules are changed. These new schedules are conveyed to students and faculties through proper notices from time to time.

**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 last five years**

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

**Response:** A. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View Document</a>

## 1.2 Academic Flexibility

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

**Response:** 100

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

**Response:** 1

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 1.2.2 Number of Add on /Certificate programs offered during the last five years

**Response:** 22

#### 1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2020-21	2019-20	2018-19	2017-18	2016-17
01	06	03	07	05

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

**Response:** 40.34

#### 1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
01	190	168	341	133

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

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

#### Response:

#### Courses integrating issues related to Gender:

Academically, Generic Audit course, Skill Enhancement Courses and Ability Enhancement

Compulsory Courses are offered within and across departments, to help students critically examine issues related to gender, environment and ethics.

SPCOET recognizes that counseling is important for students to navigate these demands and achieve their academic potential. In keeping with its mission to provide for the all-round holistic development of women students, SPCOET offers formal in-house counseling.

Talks on gender sensitization are organized from time to time.

Institute also organizes various program like Blood Donation camps for male-female students, International Women's Day celebration, Human Rights day, etc. to inculcate the values of gender equality amongst the students.

**Education on Environment and Sustainability** is the need of the hour. The subject 'Environment Education' is the part of engineering curriculum which has the well-defined syllabus that covers almost every issue related to the environment including the climatic changes. The institution motivates students to apply their knowledge towards protection of environment and encourages student activities such as –

The institute conducts "Tree Plantation Program" every year in which every student and staff participates. Participation in competitions addressing the key issues related to the environment. Celebration of various days related to the Environmental issues. e.g. Swachhata Abhiyan, World Water day etc

The students have done innovative projects related to the environment for example:

1. Biomass Gasifier
2. Eco Friendly Industrial Waste Water Management by Using Automatic Oil Skimmer Machine
3. Solar Air Heater using Parabolic trough Collector and Evacuated Tube
4. Fuel from Waste Plastic by Pyrolysis Process

The institute has a very active NSS Unit of 100 students and has organised



- Blood donation camp
- Swachhata Abhiyan
- Tree Plantation

### **Courses integrating issues related to Human Values:**

Organizational Behavior, Startup & New Venture Management, Human Resource Management, etc. are the courses which addresses students regarding human values and behavior. Through this course we try to incorporate the professional values and ethics in the students. The course helps students understand how to behave, respect each other, self-discipline, patience, kindness, abiding values, trusting relationships, etc.

### **Courses integrating issues related to Professional Ethics:**

The courses like Business communication Lab, Life Skill Lab, Skill Development, Personality Development lab, Professional Ethics and Etiquettes, Employment Relations, etc. focuses on building up with Professional Ethics in students. Also various guest lectures and soft skill programs are organized by the institute to develop ethical value amongst the students. Institute has designed a value added course for students to develop them professionally, ethically and corporate ready.

<b>File Description</b>	<b>Document</b>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### **1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years**

**Response:** 100

#### **1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
4	4	4	4	4

File Description	Document
Programme / Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

**Response:** 25.77

#### 1.3.3.1 Number of students undertaking project work/field work / internships

Response: 92

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.4 Feedback System

**1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni**

**Response:** B. Any 3 of the above

File Description	Document
Any additional information (Upload)	<a href="#">View Document</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>

### 1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. Feedback collected, analysed and action taken and feedback available on website
2. Feedback collected, analysed and action has been taken
3. Feedback collected and analysed
4. Feedback collected
5. Feedback not collected

**Response:** B. Feedback collected, analysed and action has been taken

File Description	Document
Upload any additional information	<a href="#">View Document</a>

NAAC

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average Enrolment percentage (Average of last five years)

**Response:** 63.48

##### 2.1.1.1 Number of students admitted year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
357	291	420	476	517

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
462	426	636	864	1020

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

#### 2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy ) during the last five years ( exclusive of supernumerary seats)

**Response:** 40.32

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
32	34	46	41	64

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

## 2.2 Catering to Student Diversity

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

**Response:**

The advanced and slow learner students are identified based on their performance in previous and/or prerequisite examinations, attentiveness during regular theory and practical sessions, and performance during internal evaluation. Various activities are conducted for slow and advanced learners.

The activities for slow learners include:

- Assignments of respective subjects and labs.
- Laboratory sessions and mentor sessions.
- A teacher guardian scheme to provide necessary support for the weak students.

The activities for advance learners include:

- Encouragement and technical support to participate in various technical competitions, competitive examinations like GATE, R&D activities, Hackathons, etc.
- Encouragement to enroll for self-learning MOOC courses like NPTEL etc.
- Guidance to pursue higher studies through the teacher guardian.

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

**Response:** 13:1

File Description	Document
Any additional information	<a href="#">View Document</a>

## 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

**Response:**

The teaching-learning process is a major activity and the strength of our college. Experiential learning, participative learning and problem-solving methodologies are well adopted to ensure the holistic development of students and facilitate life-long learning and knowledge management.

The activities for the experiential learning include:

- Guest lectures on topics relevant to employment skills by experts from respective organizations / industry.

- The students also participate in NSS and several other social activities, which gives them a lifelong learning.
- Study tours, internships, and industrial visits to provide industrial exposure.

The activities for the participative learning include:

- Question-answer sessions/quizzes, role plays, blended learning and model making methods introduced for selected topics to enhance participative learning.
- Organization of Hackathons, project competitions.
- Use of prototypes and cut section models, animations.
- Proficiency in soft and communication skills through lab sessions, seminars, presentations, group discussions, continuous evaluation (through oral exams) in lab sessions, etc.
- Encouragement for entrepreneurship and Startup activities through Startup and Innovation cell.

The Problem-solving methodologies include

- Encouragement and guidance to participate in state and national-level competitions.
- Registration and completion of MOOCs courses.

### **2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.**

#### **Response:**

The teachers use several ICT enabled tools that include Google meet, Zoom, MOOCs, You Tube videos, animations, graphics, virtual labs, mobile / web apps, etc. The academic year 2020-2021 and also 2021-2022 was completely affected by Covid-19 pandemic and therefore it was not only the choice but also the compulsion for the teachers to learn, adopt and practice the ICT enabled tools.

The student interaction is increased through the use of Google Meet.

E-Content creation: In order to create a learner-friendly environment for the students, the faculty members are encouraged to create e-learning resources for the benefit of the students.

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

**Response:** 20:1

#### **2.3.3.1 Number of mentors**

Response: 18

## **2.4 Teacher Profile and Quality**

### **2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years**

**Response:** 73.56

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)****Response:** 6.16**2.4.2.1 Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
3	3	2	1	1

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)****Response:** 4.79**2.4.3.1 Total experience of full-time teachers**

Response: 134

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.5 Evaluation Process and Reforms****2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode****Response:**

- The college has transparent and robust evaluation process in terms of frequency and variety. In order to ensure transparency in internal assessment, the system of internal assessment is communicated to the students well in advance. This system includes streamlined/well-defined procedures for question paper setting, conduct of examination and assessment.
- At the start of semester, students are made aware of the assessment scheme of internal evaluation like term work, insem examination, orals, practical, internal review of projects, presentations, internal sessional examination, end sem examination etc. These question paper sets are evaluated by peer reviewers according to the specialization group. After assessment of answer sheets course faculty displays the marks of insem examination to the respective students.
- Project diary is maintained for internal assessment and evaluation of mini and major projects.

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

#### **Response:**

The institute has an examination cell consisting of departmental examination coordinators, HODs, College Examination Officer (CEO) and Principal. This cell handles examination related grievances related to the university examinations. The students can raise the grievances to the examination cell. The mechanism to deal with examination-related grievances is fully transparent, answerable, and time-bound. The grievances are addressed as per the university norms and procedure.

The college strictly follows guidelines and rules issued by the affiliating university while conducting internals and end semester examinations. The assessment of assignments/ Lab experiments is done as follows:

- Usually, the queries/ grievances of a student are handled by the concerned teacher. However, in case a student is not satisfied with the assessment performed by subject teacher, he/she can approach the other teachers in the department/institute that include class teacher, academic/exam coordinators, HOD, dean academic/ CEO and principal.

In case of grievances related to examination, the student has to submit an application to the examination cell. Examination cell forwards the examination related queries of students to the university for necessary action.

## **2.6 Student Performance and Learning Outcomes**

### **2.6.1 Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.**

#### **Response:**

Each department has prepared their program educational outcomes (PEO's) and program outcome (PO's). The program educational outcomes and program outcome are displayed on website and communicated to teachers and students.



The course objective and course outcomes for all programs are included in the curriculum itself by the Savitribai Phule Pune University (SPPU) while designing the curriculum. The course objective and course outcomes are included in the syllabus of each subject. Course Outcomes are provided by the Savitribai Phule Pune University, Pune through respective curriculum. Program outcomes describe what students should know and be able to do at the end of the program.

Course outcomes are the clear statements of what a student should be able to demonstrate at the end of the course and are assessable and measurable in terms of knowledge, skills and abilities. Course outcomes and program outcomes are published on a website and displayed on notice boards and laboratories. The students are made aware of outcomes during orientation programs, course presentations, course exit surveys, and in teaching and practical plans. The students can go through the course objective and course outcome through syllabus copy also, as they are included in the syllabus itself.

While addressing the students, the HODs create awareness on PEOs, POs and COs. The faculty members, class teachers, mentors also inform the students and create awareness and emphasize the need to attain the outcomes.

At the beginning of a course along with the syllabus, students are made aware of the outcome of the course by the respective course teachers. The students are also made aware of the same through induction program.

#### **Mechanism for Communication:**

The following mechanism is followed by the institution to communicate the learning outcomes to the teachers and students.

Graduate attributes are described to the first year students at the commencement of the program.

At the start of semester at least one hour is spent by the teachers for introducing the subject as its course objectives and course outcome to the Students.

Soft copy of curriculum and learning outcomes of program and courses are uploaded on the Institution website for reference.

The importance of the learning outcomes has been communicated to teachers in every IQAC meeting and faculty meeting.

The students are also communicated about the Program outcomes, Program Specific Outcomes and Course outcomes through Tutorial and mentor Meetings.

The students are informed to use the tools and coding at a level necessary to perform mathematical operations, statistical analysis and simulations in solving complex problems.

The students are informed to use the basic laboratory equipment correctly and effectively in order to conduct measurements, analyze the result and interpret the results, including a quantitative understanding of uncertainties.

The students are informed to do the existing scientific research relevant to a given topic and evaluate its

accuracy, communicate the results of scientific work effectively, making use of clear and well organized writing and presentation skills and apply the equations and visualization tools as needed.

### 2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

#### Response:

Each course has a defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved.

Assessment tools are categorized into direct and indirect methods to assess the course outcomes and program outcomes.

#### Direct assessment:

The process of course outcome assessment by direct method is based on the internal and end-semester university examinations.

Course teacher sets a target and defines the attainment levels as per the well-defined format. The defined attainment levels (Low, Medium, and High) are approved by the respective department.

Displays the student knowledge and skills from their performance in the in-semester university examination, term work, practical examination, external oral examination, end-semester university examinations, project work progress and presentations etc. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.

#### Indirect Methods:

The indirect tools to assess POs include student exit surveys, alumni survey, employer surveys and industrial visit survey of students to reflect their learning. They assess opinions or thoughts about the graduate's knowledge or skills and their value by different stakeholders.

File Description	Document
Paste link for Additional information	<a href="#">View Document</a>

### 2.6.3 Average pass percentage of Students during last five years

Response: 83.24

#### 2.6.3.1 Total number of final year students who passed the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
127	100	80	105	139

### 2.6.3.2 Total number of final year students who appeared for the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
131	109	123	136	163

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all currently enrolled students (Data Template)	<a href="#">View Document</a>

## Criterion 3 - 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 last five years (INR in Lakhs)

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

#### File Description

Institutional data in prescribed format

#### Document

[View Document](#)

#### 3.1.2 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 0

##### 3.1.2.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

##### 3.1.2.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
4	4	4	4	4

#### File Description

Institutional data in prescribed format

#### Document

[View Document](#)

**3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the last five years****Response:** 23**3.1.3.1 Total number of Seminars/conferences/workshops conducted by the institution year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
03	05	04	04	07

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.2 Research Publications and Awards****3.2.1 Number of papers published per teacher in the Journals notified on UGC website during the last five years****Response:** 1.04**3.2.1.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
08	04	16	01	06

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.2.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****Response:** 0.53**3.2.2.1 Total number of books and chapters in edited volumes/books published and papers in**

**national/ international conference proceedings year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
05	01	02	04	06

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.3 Extension Activities****3.3.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.****Response:**

The institute organises a number of co-curricular and extracurricular activities to sensitise students on social issues and for holistic development. Some of the activities that were conducted are listed below.

- International yoga day
- Blood donation camp
- Sahajyoga sessions
- Haemoglobin checkups of Girl students
- Harit dindi, Nirmal dindi
- Seminar and Exhibition of Baba Atomic Research Centre, Mumbai.
- Cycle Rally
- Women's day celebration
- Annual Gathering
- Induction Program
- Lecture of Dr. Jayant Naralikar on discovery of life on earth.
- Library day celebration
- Essay writing competition

Institute has an established National Service Scheme (NSS) unit. As a part of NSS activities, institute had arranged NSS camp in Karanje (Someshwarnagar) in the year 2019-20.

Different activities carried out during camp are as follows-

- Lecture on Energy Conservation and its importance on 27th January 2020 by Principal of Someshwar Engineering College Dr. Sanjay Deokar
- Lecture on NSS aims on 28th January 2020 by Prof. Nikalge R.M.
- Lecture on Competitive Exam and social works on 29th January 2020 by Mr. Ganesh Sawant.
- Lecture on Engineering Goals and Opportunities on 30th January 2020 by Vice Principal Dr.Sharad

Gawade.

- Village area cleaning
- Drawing Competition
- Street Play
- Tree Plantation
- Snake Awareness camp
- Shivjayanti

File Description	Document
Upload any additional information	<a href="#">View Document</a>

**3.3.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years**

**Response: 3**

**3.3.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
1	0	0	1	1

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.3.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

**Response: 32**

**3.3.3.1 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
00	12	8	7	5

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3.4 Average percentage of students participating in extension activities at 3.3.3. above during last five years

**Response:** 130.83

#### 3.3.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
00	362	716	896	941

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 3.4 Collaboration

### 3.4.1 The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-job training, research etc during the last five years

**Response:** 4

#### 3.4.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-job training, research etc year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
00	01	01	01	01

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>



**3.4.2 Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the last five years****Response: 6****3.4.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
00	02	02	01	01

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>

## Criterion 4 - 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.**

**Response:**

The institution provides adequate infrastructure and physical facilities as per the norms of AICTE. Based on the requirement, management has provided infrastructure and physical facilities for teaching learning.

The institution is spread across 7.5 acres campus with lush and green landscape which has serene green land provides an eco-friendly environment and it is located in Someshwarnagar (Nira Baramati road) of Pune district, which is easily accessible through public transports. The facilities furnished are mentioned below:

**Class Rooms:**

The institution has 12 class rooms for teaching and learning in which 04 class rooms are equipped with ICT enabled facilities such as LCD projectors and LAN/WIFI connectivity.

**Tutorial class rooms:**

Each department has tutorial classrooms to conduct tutorial classes, remedial classes to clarify the doubts and queries of students. Institution has sufficient laboratories with well- maintained instruments, devices and equipments to conduct experiments.

**Laboratories:**

There are 32 Laboratories in the institution and the laboratories are equipped with adequate number of laboratory equipments and machines. Students are allowed to carry out mini projects and major projects in the respective laboratories in different time slots.

**Workshop**

The institute has a workshop for mechanical engineering and first year engineering as per norms of AICTE with sufficient area and well equipped shops. Each shop is equipped with required tools and machines.

**Seminar Hall:**

The institution has seminar hall with LCD Projectors are used by different departments for the purpose of conducting guest lectures, seminars and other departmental activities. Seminar hall have sufficient seating capacity white boards, stage, podium and public addressing system with internet facility.

**Exam Control room**

The institute has exam control room as per norms and requirement of exam section of Savitribai Phule

Pune University. It includes arrangement of electric bell, strong room, photocopy machine stationary storage racks etc for conduction of examination smoothly.

### **Computing Equipments:**

The institution has 150 computers, 20 printers, 5 scanners, 3 tower servers, 35 CCTV cameras to facilitate computing and internet browsing and surveillance. The Institute has adequate computer software, computer hardware besides Other related computer equipment are available for the benefit of the student community.

### **Internet and WI-FI:**

The institutie is completely enabled with Wi-Fi facility and the institute has upgraded its internet speed to 100 Mbps through leased line.

### **Library:**

The has fully automated library using e-granthalay. The institution library has e-journals and the digital library facilitates to access books, e-journals through Developing Library Network (DELNET), National Digital Library (NDL), J-Gate subscription of journal and Directory of Open Access Journals (DOAJ) by the faculty members and students. It is also providing video lectures through SWAYAM platform.

### **Placement cell:**

The institute has an active training and placement (TPO) cell, which is headed by a qualified and experienced full time placement officer. Department level coordinators are identified in each department to coordinate the activities in sync with the placement cell. Various activities such as training, mock interview etc are frequently executed in placement cell.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

### **Response:**

Sharadchandra Pawar College of Engineering and Technology (Formerly known as Someshwar Engineering College) focuses on the overall development of the students and encourages them to participate in cultural activities, sports, games (indoor, outdoor), gymnasium.

### **CULTURAL ACTIVITIES:**

Sharadchandra Pawar College of Engineering and Technology organizes an event named SOMOTSAV

annually for students to encourage them to participate in various cultural activities. There is a positive environment for cultural activities in the campus. The institute gives the importance to cultural activities like singing, dancing, skits, and playing musical instruments and also provides facilities such as venue for practice with all the necessary equipment. The cultural activities committee of the institution organizes events that thoroughly facilitate the overall personality development of the student. In order to provide a platform to explore the talents of students, the institute organizes traditional day, black and white day, mismatch day and annual day.

All department in together celebrates specific days as per circulars by AICTE,UGC, Savitribai Phule Pune University and Central & State Government such as Shivaji Maharaj Jayanti, Shivrajyabhishek Din etc to create awareness among students and in honor of the persons who have contributed in our Nation building and development.

At the departmental level, each department encourages the students to perform cultural activities during various occasions such as:

Fresher's day, Teachers day, Engineers day, Farewell day.

#### SPORTS AND GAMES

The institution provides adequate amenities for ensuring physical education activities to keep the students physically fit and healthy. Full time qualified physical directors and trainers were appointed to look after the day- to- day games and sports activities of the institution. Students are motivated to take part in various National, State, University and Inter-college level sports activities

**INDOOR FACILITIES:** Institute has following facilities for indoor games:

1. Chess boards- 06 (standard)
2. Carom boards- 03(standard)
3. Table tennis- 02 (2.74m x 1.525m x15.25cm(net))

**OUTDOOR FACILITIES:** The institute has following facilities for outdoor games:

1. Volley ball court – 02 (18m x 9m)
2. Throw ball court – 02 (18.30m x 12.20m)
3. Kho-Kho court- 01 (27m x 16m)
4. Kabaddi court– 01 (13m x 10m)
5. Kushti Hall-01
6. Ground for athletics -1000 Sq. mtr

**GYMNASIUM:**

In order to improve the mind set, physique and the attitude, gym aids students to keep the body fit and keeps mental agility properly. Various facilities are provided in gymnasium such as dumbbells, flat bench, and multipurpose bench etc. Students are motivated to use these facilities for building physical fitness and developing confidence level.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)**

**Response:** 38.46

**4.1.3.1 Number of classrooms and seminar halls with ICT facilities**

Response: 5

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)**

**Response:** 4.52

**4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
0.672	2.629	1.44	8.640	2.468

File Description	Document
Upload audited utilization statements	<a href="#">View Document</a>
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

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

#### Response:

The institution has a fully automated library using E-Granthalaya software-version 3.0 (Open Source) used for acquisition, cataloguing, circulation, procurement of books, serial control modules and Online Public Access Catalog (OPAC). All the library documents are bar-coded and books are issued to users by reading the barcode of the document.

Name of the ILMS software : E-Granthalaya

Nature of automation (fully or partially) : Fully

Version : 3.0

Year of automation : 2018 to till date

#### Features of E-Granthalaya Software:

- E-Granthalaya is an absolute user - friendly software.
- It is a simplified package, which requires minimum user interaction and features interactive data handling for storing backup etc.
- E-Granthalaya is easy and effective software for maintenance of books, journals and users. The system finds the status of books or users automatically and eases the circulation process accordingly.
- It contains enhanced, simplified search facility which can locate books and identify users effectively through OPAC (Online Public Access Catalogue) facility is made available through E-Granthalaya Library Management Software to know the bibliographical details about the collection. Search by giving title, author, subject and domain can be carried out.
- Cataloguing module facility of the software helps for catalogue books, articles, and serial publications.
- The acquisition module is utilized for generating accession register reports, adding student record, updating item lending policy and its status.
- The library and reading room area is 467.2 sq. m.
- Dedicated staff members take care of the issue/ return desk, reading room section, reference section and digital library.
- Separate section for final year project report of all previous batches also developed and running successfully in library. These reports are issued to teachers and students on demand for reference.

**Library Automation:**

All the active book collection is updated in the E-Granthalaya Library Management Software and the Web OPAC is available for the users. The issue and return of books has been activated with the E-Granthalaya Library Management Software.

The Library and Information Centre has digital Library with the following resources.

e-journals:<https://jgateplus.com/search/index>, <https://www.omicsonline.org/open-access-journals-list.php>,  
<https://www.doaj.org>, <https://www.oalib.com>,  
<https://www.ias.ac.in>, <https://benthamopen.com>, Webpage:<https://www.secsomeshwar.ac.in/library>

Rare books:<https://www.rarebooksocietyofindia.org/> Remote access: NDLI :  
<https://ndl.iitkgp.ac.in/>, <https://admin.club.ndl.iitkgp.ac.in/admin-club>, NPTEL :  
<https://onlinecourses.nptel.ac.in/>, SWAYAM : <https://swayam.gov.in/> E-Books :PDF Drive :  
<https://www.pdfdrive.com/>

The institute library is user friendly with well-designed set up consisting of comprehensive collection of valuable books, Indian and International Journals, E- resources, Competitive books like MPSC,UPSC, GATE, GRE, Aptitude, Marathi Literature , Communication skills, Soft skills material, Project Reports, Back Issues of Periodicals, Paper Clippings and Non-Book Materials to impart the highest quality of education. The Library contributes its efforts in improving the standards of teaching-learning in order to meet the needs of students and the faculty. The library has 1350 titles and 9022 volumes.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

**4.2.2 The institution has subscription for the following e-resources**

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

**Response:** B. Any 3 of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>

#### 4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

**Response:** 4.7

##### 4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0.73	0.329	3.25	17.98	1.20

File Description	Document
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

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

**Response:** 9.61

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

Response: 37

File Description	Document
Details of library usage by teachers and students	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 4.3 IT Infrastructure

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

**Response:**



Sharadchandra Pawar College of Engineering and Technology (Formerly known as Someshwar Engineering College) has established excellent IT infrastructure to cater the needs of all the students and faculty as college realizes the correlation between adequate infrastructure and effective teaching-learning. The list of IT infrastructure created consists of the following items. Campus is enabled with Wi-Fi facility with access points throughout indoor and outdoor.

- SPCOE&T provides advanced computers facilities with advance software. Totally 110 computers are available in laboratories, departments, office, admission section, placement cell, Exam control room and digital library for the benefit of students and staff.
- Computers are gradually increased every year with high configurations. All the computers are upgraded from 2 GB to 8 GB RAM with i3 processor and further again upgraded to i5 processors according to norms of the university.
- All the Labs are enabled with LAN and Internet connection.
- Every system is updated with Anti-Virus software and it is upgraded regularly.
- The institution provides e-resources and digital library facility for all the staff members and the students.
- There are sufficient advanced laser jet color printers, which are maintained well.
- The institute has established a sophisticated network which has been upgraded from 100 Mbps. Currently we are using BSNL & Airtel network 100 Mbps campus with 100 Mbps of high speed internet facility.
- WIFI facility available all over the campus using 8 access points. Each Access point have 8 SSID with 64 client each, total 512 user connected at a time in one access point
- The faculty members are provided with the internet connected systems, through which the teaching materials like NPTEL and IIT videos are downloaded for effective teaching of the subjects/concepts.
- Video conferencing facility is available at E-learning resource lab.
- Effective utilization of infrastructure is ensured through appointment of adequate and well qualified lab technicians/system administrator.
- The institution has 150 computers with a configuration of -DELL Optiplex 390 and 3020, Inteli3, 4 GB/8 GB RAM, 500 GB/1TB hard disks, DELL18.05 inches monitors.

**ICT Tools:** The institution has implemented different information and communication technology tools like Google classroom, Zoom app, Google meet for conduction of academics during **Covid 19 pandemic situation** in order to enable students to complete their academics without any interruption and a new way of communication with student, parent and faculties.

Google Form for class test and online student's feedback are used for continuous assessment process during pandemic situation.

**Open source:** Institution has open source software like Ubuntu 16.04, Net beans IDE , Eclipse, Python , Open JDK 7, My SQL,XAMPP, Firefox and Chrome .

#### 4.3.2 Student - Computer ratio (Data for the latest completed academic year)

**Response:** 3:1

File Description	Document
Student – computer ratio	<a href="#">View Document</a>

#### 4.3.3 Bandwidth of internet connection in the Institution

**Response:** A. 250 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

### 4.4 Maintenance of Campus Infrastructure

#### 4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

**Response:** 10

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

2020-21	2019-20	2018-19	2017-18	2016-17
2.783	7.556	10.345	7.913	4.183

File Description	Document
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

#### 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.

**Response:**

The institution has appointed staff for maintaining facilities such as buildings, transport, electrical, housekeeping, garden etc. Regular cleaning of college floors, classrooms, laboratories, equipment, and rest rooms are being done by the housekeeping team under the supervision of a floor in-charge. Stock verification and up-keeping of the equipment in all labs and other facilities is done at the end of every year by lab in-charge and the report is submitted to the Principal through the concerned department of HOD's for further action.

### **Physical facilities:**

Physical facilities are network facility, cleanliness, furniture, parking, gym, hostel, and transport.

### **Academic Facilities:**

Class room maintenance is monitored by a member of campus maintenance system of the respective department. Any issues pertaining to maintenance of class rooms are communicated to concerned persons for further follow-up and necessary action. The general maintenance includes maintenance of civil, plumbing and electrical works and Academic Facilities include: Class Rooms, Laboratories, and Library.

### **Utilization of Laboratory Equipment:**

Laboratory sessions are conducted in accordance with the schedule as per the curriculum plan and each laboratory session is carried out under the supervision of the assigned faculty members and instructors.

Before students start performing the experiment, laboratory instructor or the faculty in charge will deliver special instructions that are to be followed by the students in handling the equipment / instrument in every laboratory session for safety purpose.

### **Maintenance of Laboratory Equipment:**

The laboratory equipments are periodically inspected by a team of technicians for the accuracy and working conditions. Repair and replacements of equipments has been initiated as and when there is a break down, or any malfunctioning of instrument. This is a common practice across all the departments. Cleaning of laboratory floors, machines, equipments and instruments etc. are taken care by both attendees and housekeeping workforce.

Major repairs for Laboratory Equipment are carried out through following procedures:

1. The service request is forwarded to the Principal through Lab-in-Charge and HOD
2. After approval, Quotation for service is called for and the recommended service provider is identified and forwarded to the Principal for approval.
3. The tentative budget for maintenance work is calculated and put forward in college committee meeting for approval .
4. After approval, the service is carried out in the presence of Lab-in-Charge
5. After service, the work completion statement and bills verified and signed by Lab Incharge and HOD are submitted to the Accounts Department, through proper channel for payment.

A separate Stock Register for each laboratory is maintained and updated with regard to procurement and internal stock transfers. Every year, annual stock verification and inspection has been carried out by the various departments of the institution. The final stock verification and inspection report is submitted to the Principal for needful action.

### **Utilization of Library:**

The institution has a University approved well qualified Librarian, who monitors the procurement and regular follow ups to ensure effective utilization of library and maintain all reference books, articles, text books, magazines, competitive examination books, journals, e-books and e-journals. Separate attendance register for faculty as well as student mentioning purpose of visit to library is maintained.

### **Maintenance of Library:**

E-Granthalya software is used of maintenance of books, shelf arrangement, clearing, stock verification are carried out. Binding of documents and reconditioning of old books is also a part of the library maintenance.

### **Utilization of Sports Complex:**

Physical Education Director along with one faculty from each department meets twice in a semester to discuss sports related issues such as planning and organizing events, training, short listing of students who are interested in sports and necessary preparations for the sports activities. Students are allowed to practice before and after regular class hours. A separate log book is maintained to issue necessary sports materials for various sports and games.

### **Maintenance of Sports Facilities:**

Maintenance of sports facilities preparation of ground for various other sports including Kabaddi, KhoKho, volley ball, badminton etc is maintained by the Physical Educational Director in regular intervals.

### **Utilization of Computers:**

All the departments in the institution are equipped with computer laboratories. These laboratories are used by the students in accordance with the schedule prepared by the particular department as per the curriculum.

### **Maintenance of Computers:**

The person as system administrator is appointed by institute. He is responsible for maintaining the computer systems and other IT equipments such as projectors, printers, photo copier machines, scanners, servers, bio-metric machines etc. Internet connectivity with a total of 100Mbps band width is provided.

### **Classroom Utilization:**

As per the AICTE norms, each department is provided with the required number of classrooms for conducting class room activities. The classroom allocation in accordance with class time table is made by HOD of that specific department.

### **Classroom Maintenance:**

Institution has a supervisor who regularly maintains the boards, benches, fans and lights. The black board, benches and windows are cleaned everyday by housekeeping staff. HOD and class In-charges meet once in a month and review the maintenance of the class rooms.

The In-charges at least one member from each of the academic department whose responsibility is to identify any problem related to the infrastructure maintenance of the class rooms and conveyed to Supervisor and Supervisor conveyed to Principal for necessary actions.

#### **Maintenance of Power and water supply:**

Regular check up and maintenance will be carried out by the supervisors for providing fresh and filtered water to the institution. Electrician is responsible to carry out the supply and maintenance of electricity to the campus.

Most of the maintenance work is completed during summer break and a close monitoring of maintenance activities is a prime responsibility of all the Heads of Departments and the In-charges of various facilities and the staff is accountable to the Principal.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 63.6

##### 5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
299	264	371	128	153

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 9.38

##### 5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
71	32	67	00	00

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

**5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following**

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

**Response:** A. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

**5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years**

**Response:** 51.68

**5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
00	165	390	320	228

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

**5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

**Response:** C. 2 of the above

**5.2 Student Progression****5.2.1 Average percentage of placement of outgoing students during the last five years**

**Response: 2.52****5.2.1.1 Number of outgoing students placed year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
0	7	2	2	2

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

**5.2.2 Average percentage of students progressing to higher education during the last five years****Response: 15.22****5.2.2.1 Number of outgoing student progressing to higher education.**

Response: 14

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

**5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)****Response: 4****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) year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	1

**5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT,CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years**



2020-21	2019-20	2018-19	2017-18	2016-17
0	0	1	3	5

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 5.3 Student Participation and Activities

**5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.**

**Response:** 0

**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) year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

**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 )**

**Response:**

Sharadchandra Pawar College of Engineering & Technology (Formerly known as Someshwar Engineering College) created a student council for active participation of students in the academic administrative bodies which empowers the students in gaining leadership qualities and execution skills. Student Council improves academic standards and creates a sense of ownership towards the institution. Student council helps in bringing out the talents of students in extra-curricular and curricular activities. This is Committee with all class representatives (CR) called as student council.

**Class Committee:**

The class committee consists of student representatives and faculty representatives.

**Anti-Ragging Committee:** The student representatives are engaged by the faculty regarding anti-ragging and are monitored in preserving a culture of ragging free environment in the institution.

**Training & Placement Cell:** Placement cell operates round the year to facilitate contacts between companies and graduates.

**Central Library & Information Cell:** The student representatives ensures in smooth functioning of the library and coordination with all Head of the Department's, faculty and students.

**Sports Committee:** The student representatives along with the faculty motivate the students to participate in indoor and outdoor games like, volleyball , kho-kho, kabaddi, chess, table tennis ,carom board etc.

**Student Grievance Redressal Cell:** Student grievance readdressal cell involves student representatives in resolving issues and grievances of students

**Arts & Cultural Cell:** The students representatives promote and arrange extracurricular activities and bring out the talent of the students with the help of the faculty organize activities like teachers' day, and Engineers' day.

**Hygiene/Canteen/Sanitation Cell:** This cell is used to provide the students in health and hygiene.

**Internal Compliant Committee:** To create awareness regarding women's safety.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

**Response:** 7.8

#### 5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	9	9	11	10

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 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

**Response:**

Alumini engagement program is very essential for the development and growth of previous students (Alumini) also institute wants their benefits from their skills and arranging the program for perusing students to offer the practical support and services for their careers.

The Sharadchandra Pawar College of Engineering and Technology (Formerly known as Someshwar Engineering College) has organized the alumini program for alumini meet and support from him but there is no alumini to contribute significantly financially for the development of the institute. But some alumni have provided their guidance to the students studying the college.

Alumini registration is under process and still it is not registered. But we have arranged the alumini meets and taken their feedbacks and their registration forms. We are in touch with our Alumini for arrangement of registered alumini meet.

### 5.4.2 Alumni contribution during the last five years (INR in lakhs)

**Response:** E. <1 Lakhs

## Criterion 6 - 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:**

**Vision :**

To achieve excellence in technical education and make the engineers for socio-economic development of rural India.

**Mission :**

1. To prepare rural students for a productive and rewarding career in engineering profession.
2. To provide students with comprehensive knowledge and fundamentals of engineering.
3. To create barrier free environment through technical education in rural area.
4. Development of technical human resource for socio-economic development of rural India.
5. To impart value education and skill through technical education.

The institute follows mode of learning continuously for faculty and students to accommodate the skills and impart knowledge of the highest standards. The institute conducts a wide range of academic programs under various departments. Apart from regular conduction of theory and practical classes from our eminent and professional faculty, institute also conducts special lectures, application oriented workshops, and hands on training programs for our students. The collaborative approach followed brings together conducive and stimulating atmosphere for the overall development and growth of various stakeholders of the institute.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

**Response:**

Institute consistently promotes a culture of participative management. One faculty members are nominated on the governing body of the institute. One faculty members is nominated on local management committee of the institute. These committees are responsible for planning and evaluation of quality policies. All the stakeholders viz. alumni, parents, students, faculty and staff have representation in the various statutory and designated bodies. Suggestions of various committees and bodies are considered while taking major decisions. Inputs from parents, alumni, industries and students are also considered. Various academic and administrative activities of the institute are conducted through the following committees and associations such as local management committee, student council, special cell standing committee for backward class

candidates, purchase committee, library committee, gymkhana committee, grievance redressal committee, Internal Quality Assurance Cell (IQAC), Right to Information Committee, Parents-Teachers Committee, Anti Ragging Committee, Cultural Committee, Staff Welfare Committee, Internal Complaint Committee (Sexual Harassment Prevention Committee), Training and Placement Cell, Disaster Management Committee, Admission Committee, Industry Institution Interaction Cell and Examination Committee

The institute approves a culture of decentralized governance and assigns the powers to the Departments, like:

The Head of the Department has the authority in deciding the activities and allots the responsibilities to the staff members of the department, The department makes a decision on timetable, subject allocation, purchase of equipment, organizing guest lectures and workshops, webinars, seminars recommend necessary industrial visits, implant trainings, and work to achieve its goals, vision and mission.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic / Perspective plan is effectively deployed

#### Response:

The institute has various perspective/strategic plans for the holistic development of the students. The common approach of the management, Principal, HODs and faculty is to develop and implement the quality policy and promote high standards of professional ethics, transparency and accountability in the institute. In order to evolve the Mission and Vision of the Institution, the Governing Body of the institution works in close collaboration with the IQAC and other academic heads to plan and implement various strategic plans to regulate and sustain a friendly and educational environment required for this purpose.

#### The institute has specific strategic plans which include:

- Strengthening the student development and campus facilities,
- Enhance the industry institute collaborations.
- Improve internal support system.
- Strengthening alumni.

All the above strategic plans are monitored by the IQAC that meets often and decide on academic quality control issues. Apart from the above, the institute's strategic plans critically examine the grooming of the students for rewarding with excellent future by meeting various challenges. The major thrust of the strategic plan is to achieve standardized improvement in the quality of technical education, as the institute imparts in line with the vision and mission of the institution. It also aims to meet the expectations from all the stakeholders' viz. Students, teachers, parents and employers to achieve improved levels of satisfaction.

**Perspective Plan for development:**

The institute certainly has plans for its all round development and accordingly several perspective plans are designed viz. Improvement, up-gradation and refinement of the existing set up which is an unending process and the institute will never lag behind this progression.

The institute has spacious campus which offers great potential for the development of further infrastructure. The institute is planning to build a hostel building on the campus shortly for boys. Many such ambitious projects can be taken up for implementation in the days to come.

Institute has following plans to achieve in near future.

- To establish better academic practices and procedures.
- To be a choice for good quality students and competent faculty.
- To produce technically competent and ethically strong graduates.
- To encourage research & consultancy.
- To develop a smart campus.
- To offering value added certificate programs.
- To organizing National/International Conferences.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

**Response:**

President of Someshwar Shikshan Prasarak Mandal's Sharadchandra Pawar College of Engineering and Technology (Formerly known as Someshwar Engineering College) is **Hon. Shri. Purushottam Ramraje Jagtap** (Chairman-Someshwar Sahakari Sugar Factory, Someshwarnagar).

Vice President of Someshwar Shikshan Prasarak Mandal's Sharadchandra Pawar College of Engineering and Technology is **Hon. Shri. Anandkumar Holkar**

Secretary of Someshwar Shikshan Prasarak Mandal's Sharadchandra Pawar College of Engineering and Technology is **Hon. Shri. Bharat Tukaram Khomane**

Institute has appointed approved full time principal. Every department has HOD appointed by Principal. Every class has class coordinator, who is responsible to resolve academic problems of respective class. Every batch has Class coordinator, who is responsible to resolve academic as well as personal issues of respective batch of students. Institute has created different committees for smooth running of departments. Institute recruit faculty members by publishing advertise in newspapers and on college website. All stakeholders are brand ambassadors of institute. Institute has fixed complaint / suggestion boxes in every department, at the end of every month complaint / suggestion are checked and necessary action is taken by

respective HOD.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

**Response:** B. 3 of the above

File Description	Document
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

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

**Response:**

The institution gives many welfare measures as well as helps financially to all teaching and non-teaching staff. Some of welfare measures for the staff are listed below:

Teaching Staff: DL provided for FDP, workshops, seminar and training programmes to the teaching faculty also give financial support for it. Paid leave for attending the course work exam those are pursuing higher Study. Casual Leaves, Medical leaves & Earning leaves are provided to the teaching Staff.

Yoga programs are arranged for teaching and non teaching faculty members. Faculty members can avail the Sport facility available in the college.

Travelling Allowance & Duty Leave if provided to non teaching staff for Office work. Casual Leaves & Medical leaves are provided to the non-teaching staff. EL Provided to the Non-teaching Staff.

Provident fund (PF) of teaching and non-teaching staff is deducted from their salary. For teaching staff PF facility is under process.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.

**Response:** 16.95

#### 6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	3	28	2

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>

### 6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

**Response:** 0.4

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	1	1	0

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>

### 6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation /



**Induction Programmes, Refresher Course, Short Term Course ).****Response:** 83.97**6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
32	99	01	02	02

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>

**6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff****Response:**

Institute has performance appraisal system for teaching staff. This is an important process for both institution and faculty. Performance appraisal system is initiated by IQAC. This is done for all faculty of departments of institution to maintain standards consistently. The performance of each employee is appraised annually after completion of one year of service. The appraisal report is based on the annual performance of the employee on the basis of their academic, research and other extra-curricular activities. The performance of the employees is evaluated as per the established norms. The salient features of the performance appraisal system are as follows:

**Teaching Staff:**

1. Teaching, Learning and evaluation related to performance.
2. Co-Curricular, extension and professional development related activities.
3. The performance of each faculty member is evaluated according to the Annual Self Assessment for the Performance Based Appraisal System.
4. The performance evaluation of each employee is based on his/her academic contribution, Research Publications and Academic Achievements and Administrative Contributions
5. The performance based appraisal system proforma filled by the faculty member is checked and verified by the Heads of the Departments, and the Principal.

The above said performance appraisal report is to be filed by employee in a given prescribed format which

includes all the above set related to points and sub points. The views of the employee filled in the prescribed format is reviewed by HODs and principal.

Non-Teaching Staff: All non-teaching staff is evaluated through annual confidential reports and annual performance appraisal every year

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institution conducts internal and external financial audits regularly

#### Response:

The college has an effective mechanism for auditing the accounts. The accounts of the college are audited by chartered accountant regularly as per the government rules.

The accounts of the institute are required to be audited by a chartered accountant (CA) as per the provisions of trust registration act. External auditors are appointed by the management to carry out this financial audit, which is carried out once in a year. Last external audit was carried out in 2021, wherein there were no audit objections as always because the institute follows an efficient system for purchase of major equipments and also an internal approval system for all the expenses is in place.

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

#### Response:

The institute has very effective mechanism to monitor effective use of financial resources. Financial budget relating to functioning of the institution for the forthcoming academic year is prepared by duly considering probable expenses and incomes. The management of the institute ensures that expenses are incurred for the purpose of implementing institutional plans. Every year, the budget is prepared well in advance after taking into consideration the requirement of every department. Each department prepares the budget based on the requirement such as equipment, computer as well as consumable required for next academic session. Principal puts up the budget in governing body meeting and after discussion and necessary corrections/modifications Governing Body recommends the budget for approval. The budget is reviewed by the management and approved after necessary changes.

Quotations invited and evaluated, comparative statement is prepared, suppliers are called for

personal discussion and after comparing all aspects from various suppliers, orders are placed. This ensures that right equipment is purchased at most competitive price. Further accounts of the institute are subjected to internal and external audit. Any discrepancy in internal audit will be brought to the notice of the Principal.

#### Optimal utilization of funds is ensured through following:

The funds are granted through the collection of tuition fee . The tuition fee is collected annually. The other sources of income are:

- Fee collection from students.
- Admissions/Lab/Library Fee

The fund is utilized in the following ways.

- Adequate funds are allocated for FDPs, Orientation programs, Workshops, etc. to ensure quality in education. Appropriate funds are allocated for enhancement of the library facilities. Adequate funds are utilized for development and maintenance of the infrastructure which includes-
- Software & Internet charges
- Repair & maintenance
- Printing & stationary
- Equipment & Consumables
- Furniture & Fixtures
- Electricity Charges.
- The Institute has standardized procedure for sanctioning of funds for various activities and also for settlement of advance and passing of bills for payment.

### 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:**

Internal Quality Assurance Cell (IQAC) has been formed in the college in the month of July 2018.

The institute has an internal quality assurance cell constituted and reformed time to time. The sole objective of this committee is to improve the overall quality of academic and administrative functioning and activities of the institute in accordance with vision and mission. This committee periodically reviews the outcome of various academic and administrative committees. This committee has contributed significantly in strategizing, formulating, standardizing and implementing various quality policies, initiatives and processes.

#### **Primary Goal of IQAC**

- 1 To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
2. To promote the measures for institutional functioning towards quality enhancement.

#### **IQAC will facilitate /contribute**

1. To ensure enhancement and coordination among various activities of the institution and institutionalized all good practice.
- 2.To build and organized methodology of documentation and internal communication.
3. To provide sound basis for decision making to improve institutional functioning.

**Pre-Placement Training:** Pre Placement training classes are conducted by coaching institute like CAD/CAM GURU Baramati, Friends Union Energising Lives (FUEL), Bhugaon, Pune and Capgemini Digital Academy, Thane. These classes are helpful for writing the placement exams and which is useful for thinking and development of students. Skill enhancement ensures that the students develop confidence and are ready to face the selection. These are very much useful for students to write competitive, placement exams and higher studies. The above said mentioned programs will be helpful students to communicate effectively with colleagues, employers, clients and customers. The objective of group training program (GTP): is to strengthen the students with recent technologies so as to improve their employability abilities. The outcome of GTP trainings is to

- 1.The Placement cell along with the training department organizes sessions and workshops with industry experts that help the students get an insight into the demands and needs of the market.
- 2.To communicate effectively with colleagues, employers, clients and customers.

**Faculty Development Program (FDP)** is one of the initiatives of IQAC for improving the quality of the faculty in various aspects. Staff advancement is a cycle to improve their abilities in the following fields.

- (1) Teaching and Learning skills.

(2) Research and Development.

(3) Faculty Personality Development.

Our college is deputing the faculty member for FDP, syllabus implementation, workshop etc.

Faculty Development programs help to strengthen the professional and administrative skills of the faculty members which leads to improve quality of the institute. It intends to provide financial assistance to facilitate up-gradation of knowledge, skill and intends to provide opportunities for orientation training to teachers in honing talents.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

**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 ( For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives )**

**Response:**

The institute has strategic teaching learning process and has robust methodology for rolling out the method. At an equivalent time there is well-planned structure, as per the rules of IQAC, to review the teaching learning process. The IQAC is liable for developing, coordinating and monitoring an academic assessment activities to effect improvement in student learning. The IQAC Cell Supports the activities by involving various departments of the institute. The academic plan is kept ready well in advance before the commencement of semester for all courses in a semester. It is communicated to all heads of the departments and necessary measures are taken.

**Methodologies:**

A senior faculty with rich experience from the department act as the category organizer occasionally reports to the HOD about the prospectus inclusion and also the quantity of classes taken by the staff. The individual course schedules, plans, and related information/ materials are issued to the students at the commencement of the semester. A teaching-learning plan and a course schedule along with the tutorial calendar are given to the faculty members well before the commencement of the semester. This is completed under the guidance of the HOD. IQAC also ensures the parent teacher association meeting are conducted by respective mentors if required.

**Outcomes:** IQAC occasionally guarantees the achievement of learning objectives of every course and program. i) Course Files: Course files are prepared to meet objectives and methods of the course for teaching and learning of each topic with proper planning. The institutw undergoes the syllabus and make sure that all the students fulfill the pre-requisites of the course. Every subject teacher prepares the plan for

academic activity at the start of the semester. A correct plan for every topic is made by the each subject teacher. Course files have proven to be useful for the benefit of students with regard to clarity while teaching

ii) Evaluation-System with regard to IQAC reforms is given by input based education to outcome based education (OBE) with direct method i.e., teaching-learning process and indirect methods i.e., mid exams, lab internal, external and end semester (University examinations) exams using various assessment tools. The procedure of evaluation for outcome based education (OBE) is as follows: the various assessment methods used for the evaluation of CO's are as follows.

1. Assignment Questions: Two assignments are given in each course and questions are mapped with COs.

2. Lab Examinations: It consists of internal day-to-day evaluation, execution of programs and viva-voce. This is often helpful for college students to possess the sensible knowledge.

3. External Lab Examinations: It consists of execution of program and external viva voce. This is often helpful for college students to possess the sensible knowledge.

4. End semester university examinations: The question paper for every course is given by the affiliating university (SPPU). The marks scored by the students are given to assess the attainment level of the course. The evaluation process is explained within the additional information. The IQAC conduct periodical meetings with the departments and with the principal, throughout the academic year in the presence of the IQAC coordinator. College has various committees for each and every department. The IQAC conducts an academic review of all departments collecting information on academic activities, such as completion of study programs, project, assignments, seminars, and other activities.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 6.5.3 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**Response:** D. 1 of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format(Data template)	<a href="#">View Document</a>

NAAC

## Criterion 7 - 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 last five years.**

**Response:**

Gender equality is one of the key challenges that the society is facing today. The institute conducts regular gender equality promotion programs. Guest speakers from various fields are invited to guide students on importance and contribution of women in the society.

**Institution shows gender sensitivity in providing facilities such as:**

The institute is committed to ensure the security and safety of its students and employees. The institute takes all necessary and practicable steps to ensure safe environment. Institute provides facilities such as –

**1. Safety and Security**

Security staff near the main gate is provided for 24 hours. Mobile connectivity is provided at the main gate of the institute so that the guards can inform the office/Principal in case of authorized/unauthorized entry or emergency. Vehicles are restricted to be parked after office hours in the parking.

Students are not allowed to enter the premises without their identity cards. CCTV Cameras are installed at different points such as entry/exit, laboratory, common passages in the institute and it is ensure that they are functional at all times.

The first aid box is made available whenever required for providing initial treatment to the student. Institute deposes staff members for ensuring safety of students while going out of station for industrial visits or extracurricular activities. It is mandatory for the students to call or text back after reaching home.

The institute has established anti sexual harassment committee (ASHC) for Prevention of Sexual Harassment.

The institute has well functioning womens's grievance committee (WGC) consisting of female and male staff members as the members of the committee.

The Institute has grievance redressal committee to resolve and ensure effective solution to any grievances of faculty and students.

The institute also has anti-ragging cell which consists of police representative, parent representative and member from social field in the committee. This committee works to ensure and develop inductive and safe environment of the students and to avoid activities like ragging, harassment in the campus area.

**2. Common Rooms**



As per the AICTE norms the Institute has separate common rooms for girls and boys with necessary facilities. These rooms are well ventilated, spacious for relaxation.

File Description	Document
Specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>

### 7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

**Response:** D. 1 of the above

File Description	Document
Geotagged Photographs	<a href="#">View Document</a>

### 7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

**Response:**

- Our institute has taken many initiatives towards waste management. The institute follows the principle of 3R (Reduce, Reuse and Recycle) to meet its objective of sustainable development by bringing ecological balance.
- Following the Government of India's resolution to ban all single-use plastics, the college administration declared the Sharadchandra Pawar College of Engineering and Technology (formerly known as Someshwar Engineering College) campus plastic free. The ban is applicable to all entities.

- Collection drives for newspapers and posters have been held by NSS unit of institute.
- Being an educational institution, the college does not generate any hazardous waste. The institution's key operations have very less impact on the environment as the college is very conscious of generating less waste. However, waste is generated by all sorts of routine activities carried out in the institute that includes paper, plastics, glass, metals, foods, etc. The institute believes its utmost responsibility to remove all waste not only for the safety of the students but also for the harm it causes to the environment.
- Various awareness campaigns are organized on waste management .To sustain eco-friendly and green enabled campus, various NSS programs like Swachh Bharat, Clean & Green activities and plantation in campus are regularly conducted.

File Description	Document
Geotagged photographs of the facilities	<a href="#">View Document</a>

#### 7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

**Response:** D.1 of the above

File Description	Document
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>

#### 7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. landscaping with trees and plants

**Response:** A. Any 4 or All of the above

File Description	Document
Geotagged photos / videos of the facilities	<a href="#">View Document</a>

#### 7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

- 1.Green audit
- 2.Energy audit
- 3.Environment audit
- 4.Clean and green campus recognitions / awards
- 5.Beyond the campus environmental promotion activities

**Response:** C. 2 of the above

File Description	Document
Certification by the auditing agency	<a href="#">View Document</a>

#### 7.1.7 The Institution has disabled-friendly, barrier free environment

- 1.Built environment with ramps/lifts for easy access to classrooms.
- 2.Divyangjan friendly washrooms
- 3.Signage including tactile path, lights, display boards and signposts
- 4.Assistive technology and facilities for 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

**Response:** D.1 of the above

File Description	Document
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>

#### 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 500 words).

**Response:**

Our institute organizes different cultural activities in the campus every year. Expert guests are invited to this event to address the students in such way that, they get inspired and learn the importance of culture, human values, and ethics. In this event, the students actively participate and enjoy the family environment. Students from different community, religion, culture, region and language are equally participating in this event and thus elated to be a part of these occasions.

The institute takes extra efforts in providing an inclusive environment for all the students and employees .Tolerance and harmony to cultural, regional, linguistic, communal socioeconomic and other diversities is best achieved by the major events at institute levels.

Our Institute celebrates Somotsav constitution day, Independence Day, Republic Day, Women day every year. These programs create a feeling of patriotism among the students and teaching-non teaching staff and remind the responsibilities towards our country and supreme sacrifices made by the great freedom fighters. International commemorative days like International Yoga day are celebrated.

The institute has taken various initiatives in providing an inclusive environment to the students. The purpose of conducting such events in the institute is to inculcate the sense of peace, equality & harmony amongst the students.

#### Summary of the Events:

1. **National days Celebration-** The institute celebrates Republic Day and Independence every year. It encourages national pride and inspires everybody to contribute in their way towards national development.

2. **Yoga Day Celebration-** The International Yoga Day has celebrated by the students and teachers in the Institute. The students & staff perform yogic exercises and 'Pranayam' to celebrate this day to create awareness about Yoga to have good health.

3. **Environmental Preservation and Plantation Drive-** To encourage green environment, institute organizes a tree plantation drive program every year. The objectives of event is to create awareness and educate the students about the importance of green environment.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>

#### 7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

##### Response:

Sharadchandra Pawar College of Engineering Technology (Formerly known as Someshwar Engineering College) has been committed to educate our students for constitutional awareness of fundamental rights and duties. Various programs and activities are organized both by departments as well as institute such as-

- Institute organise various cultural events like Somostav.
- Displays the posters on the college notice board to create awareness among students about different human rights and responsibilities of Indian citizen and national integration to protect fundamental rights, which will create an opportunity to live together in peace and prosperity.
- Institution organizes Swachh Bharath Abhiyan to create awareness about cleanliness in and around the campus. In addition, the institution also organizes blood donation camps to encourage students to contribute for public health.
- Institution celebrates the National Day of India, such as Independence Day and Republic Day, every year. These events begin with hoisting of the national flag by the Principal/Chief guest. All faculty members and students attend the function.

The different programs organized by the SPCOET are National Constitution Day, Human Rights Day, Gandhi Jayanti, Awareness Program on Fundamental Duties and Rights of Indian Citizens.

## CONSTITUTION DAY IN SPCOET

On the occasion of the 72th anniversary on 26th Nov 2019 marking the adoption of the Constitution of India, a program was organized by Department of CSE for creating awareness among the students regarding the fundamental duties as put forth by the Indian Constitution. As per the program, Preamble to the Indian Constitution was read out for the students in attendance followed by a deliberation by Dr. Gawade S.R. on the importance of fundamental duties. The principal emphasized on the virtues of awareness regarding various facets of the Constitution. The students also participated in a debate regarding the current situation of the Indian Government and Constitution.

### **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.**

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

**Response:** C. 2 of the above

### **7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).**

#### **Response:**

Sharadchandra Pawar College of Engineering And Technology ( formerly known as Someshwar Engineering College ) observes several nationally and internationally significant occasions to educate our students on the history, traditions and practices of India in engaging and participatory ways.

Institute celebrates India's Independence Day with much enthusiasm, usually Students, teachers and administrative staff join in the celebrations, which commence with the flag hoisting followed by singing of the National Anthem and include the distribution of some tea and biscuits to the staff and students.

The Republic Day is organised in the institute with various cultural and motivational events. .

Dr. Sarvepalli Radhakrishnan's birth anniversary on 5th Sept, observed nationally as Teacher's Day, is celebrated at both the department and college level. Numerous programmes organized by our students on the occasion remember and pay homage to the valuable contributions of the teaching community.

The institute organizes different motivational events on Swami Vivekananda's life and teachings on 12th January, as his birthday, observed as National Youth Day.

In December 2014, the United Nations General Assembly Resolution adopted 21st June as International Yoga Day. Since 2015, institute celebrates this day, acknowledging the transnational role of Yoga, an

ancient Indian knowledge system, in promoting physico-mental health. . The institute also celebrates International Women's Day on 8th March and all ladies faculty members are honored by management by offering gifts on same day.

We organize , STATE LEVEL SCIENCE EXHIBITION , the purpose of exhibition is motivate youth for their own ideas , they create their own project which makes them think on the different problems of the society.

We also celebrate Shivjayanti and Dr. Babasaheb Ambedkar birth anniversary to learn the qualities they had and to take inspiration from them . .

## 7.2 Best Practices

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

#### Response:

#### 1. Celebration of Yoga day and Arranging yoga program for teaching and non teaching faculty

Yoga is an ancient physical, mental and spiritual practice that originated in India. The word 'yoga' derives from Sanskrit and means to join or to unite, symbolizing the union of body and consciousness.

Today it is practiced in various forms around the world and continues to grow in popularity.

Recognizing its universal appeal, on 11 December 2014, the United Nations proclaimed 21 June as the International Day of Yoga by resolution 69/131.

The International Day of Yoga aims to raise awareness worldwide of the many benefits of practicing yoga.

We celebrate the yoga day every year. The purpose is to spread the importance of yoga among teachers and students. It also refreshes the faculty and students making them more enthusiastic.

We have organized three days Art of Living Session (Happiness Program) for all faculties from 26/09/2017 to 28/09/2017. Also we organized one week Sahag Yoga Certificate course for all teaching and non-teaching faculty from 25/11/2019 onwards.

#### 2. Celebration of National and international days:

In our college , we celebrate the national days and international days with great enthusiasm. We celebrate Independence Day, republic. Singnificance of this day is to commemorates the independence of India.

We celebrate international yoga day, national womens day, world environment day etc.

## 7.3 Institutional Distinctiveness

### 7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

#### Response:

#### 1. Location privilege:

Our institute is located in the rural area. The institute is just 8 kms away from Nira railway station and 35 kms from the Baramati railway station. Baramati airport is 38 kms away from our institute. Hence it provides the best connectivity of all types of transports and easy access to the students living in various locations of Maharashtra.

The institute is surrounded by Lonand MIDC, Baramati MIDC, Shirval MIDC, Kurkumbh MIDC and Jejuri MIDC, which helps our students to get jobs opportunities, projects guidance and internship. The institute has vision to uplift the students from rural area.

SPCOET is surrounded by several villages and the ambience is set in a completely rural background with healthy atmosphere. Many students are coming from nearby villages. Many of the students come to college on bicycle. Due to these factors the institute is free from pollution and doesn't get exposed to contamination. With these aspects students will get benefited not only financially but also health point of view. By possessing the above special features, the institution maintains its distinctiveness

**2. Scholarship for students:** Our institute has provided scholarship to newly admitted first year students in the tuition fees during the academic year 2018-19, 2019-20, 2020-21 and 2021-22 ranging from 50% to 90%. This has helped the students from rural area who were not able to afford high cost of education.

**3. Letter of understanding (LOU) with MNC:** The institute has signed LOU with Capgemini digital academy, Thane, to upskill our students which is the unique case in engineering colleges located in rural area.

## 5. CONCLUSION

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### Additional Information :

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### Concluding Remarks :

Sharadchandra Pawar College of Engineering and Technology (Formerly known as Someshwar Engineering College), Somesharnagar, imparts the quality education to enhance the basic skills of young engineering youth from rural area. As per the industry need to enhance the skills among the students, our institute has made signed MOU's with various industries like Capgemini, FUEL, ASPIRE Skills and many more.

SPCOE&T follows the curriculum of Savitribai Phule Pune University (SPPU) which includes all programs having Choice Based Credit System (CBCS) and also offers elective courses semesterwise.

Feedback from students and faculties are taken and from feedback analysis corrective measures are implemented. The institute is committed respecting equality and diversity in each individual. The institute has conducted Energy Audit, Green Audit to enhance effective utilization of electrical energy and to maintain environmental balance in the campus.