



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD PUNE ANANTRAO PAWAR COLLEGE OF ENGINEERING AND RESEARCH
Name of the head of the Institution	Sunil Bhimrao Thakare
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	020-24218959
Mobile no.	9923217056
Registered Email	prof_sbthakare@rediffmail.com
Alternate Email	dhanashrijoshi28@gmail.com
Address	S.No. 103, Shahu College Campus, Parvati
City/Town	Pune
State/UT	Maharashtra

Pincode	411009																		
2. Institutional Status																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Prof. Shailesh S. Hajare																		
Phone no/Alternate Phone no.	02024218901																		
Mobile no.	9579707373																		
Registered Email	iqac@abmspcoerpune.org																		
Alternate Email	shailesh.hajare@gmail.com																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	http://www.abmspcoerpune.org																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.abmspcoerpune.org																		
5. Accreditation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.35</td> <td>2018</td> <td>16-Aug-2018</td> <td>15-Aug-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	B	2.35	2018	16-Aug-2018	15-Aug-2023
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	B	2.35	2018	16-Aug-2018	15-Aug-2023														
6. Date of Establishment of IQAC	03-Aug-2017																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries															

Expert Session on Personal Finance management	01-Sep-2018 1	58
Career Cracker -Talent Hunt18	24-Aug-2018 2	293
Orientation Programme for First Year Engineering	01-Aug-2018 3	122
Academic Administrative Audit (AAA) conducted	25-Apr-2018 8	70
External Academic & Administrative Audit - ISO	14-May-2019 1	70
International seminar on Future Disruptive technologies	19-Mar-2019 2	60
Entrepreneurship awareness program	03-Jan-2019 3	170
Workshop on Python	18-Mar-2019 3	58
Expert Session on Electromagnetics for E&TC Students under COEP Mentorship program	02-Mar-2019 1	13
GATE coaching classes for Final Year students of all branches	20-Jun-2018 120	165
Faculty training program on IoT lab by Indicus software pvt.ltd.	02-May-2019 2	8

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Faculty	ASPIRE	Savitribai Phule Pune University	2019 24	300000
Faculty	ASPIRE	Savitribai Phule Pune University	2019 24	115000
Faculty	ASPIRE	Savitribai Phule Pune University	2019 24	240000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
Academic Administrative Audit (AAA) is conducted and its follow up action is taken to improve the academic practices at all departments and administrative practices. All academic activities are conducted as per Academic Calendar through IQAC.	
To improve the quality of system ISO 9001:2015 is established at the institute and Certificate is awaited.	
Project Guidance & Field visits for students through Innovation Club Members.	
Training for faculty members on learning management systems (LMS) like Open Source Cloud Based Education Moodle are conducted at all departments for improving ICT based teaching learning process.	
Encourage faculty for Industry Institute interaction for applying industrial projects, consultancy, and Research grants.	
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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year	
Plan of Action	Achievements/Outcomes
Activities under IIT-B remote centre under NMEICT for Teachers empowerment through various courses from IIT Bombay and E-Yantra Lab setup by IIT Bombay	Promotion of active learning and Task Based Training is Completed by Faculty (04) members of our institute.
IoT lab setup by Indicus software pvt.ltd. and IoT based Poly-house project is in process	As per the requirement of revised syllabus, various new books and journals have been purchased for library for all the disciplines. IoT based Poly-house- In process (Continuo

	server is in working status in IoT Lab & faculty have attended training on it.)
Science and Technology Park- ATAL incubation centre	Science and Technology Park- ATAL incubation centre: In Progress
Use of ICT based learning for students	Various training programs have been conducted for the faculty members and students to use ICT tools like MOODLE, teaching learning process.
Dissemination of student support system	Induction program is conducted for First Year students to create awareness about the existing student support systems at our Institute
Training to students from various industries and interaction of alumni with students to promote capability enhancement	Progressive index of placements and Active participation of alumni towards students
Nurturing leadership qualities through Sports and cultural event	strengthens leadership skills amongst faculty members at various levels
Refinement of Governance Policies	Governance policies have been refined for polices on Code of Conduct etc and Various committees are formed as part of administrative structure
Initiatives for awareness amongst students about gender equity and equality time to time	Participation of institute in Nation Wide competition on Legal rights of women.
To motivate faculty members from all the departments to participate in revision of SPPU curriculum.	Faculty members participated in various syllabus revision workshop and syllabus drafting process for SPPU revised curriculum.
Motivate and mentor Faculty to register for PhD Programme and research work.	Research and Development (R & D) cell of the Institute has conducted various activities to create awareness amongst faculty members and students to convert their innovative ideas and experimental research work into projects, Intellectual Properties. 31 Proposals of faculty members were submitted at SPPU under ASPIRE scheme amongst them 03 were selected.
Faculty Development Program	Faculty development program such as seminar/workshops were organized by Institute.
View File	

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

Date of Visit	24-Jul-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	31-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>In our institute institutional records are maintained by Vriddhi ERP system which integrates all data and processes. It is a comprehensive Education Information Management Software used by our institute to streamline our entire organization and functioning. It provides technology solutions for better education management.</p> <p>1. Student Module</p> <ul style="list-style-type: none"> • Admission Management For new admission of students staff just needs to add details of the new student into the college admission system. Then these details can be used for further actions and these details can be changed very easily whenever required using this system. Admission management software creates unique ID for every student automatically with every new entry. • Online Admission System Once the student login on online admission system website, he/she can enter all their admission form details on online admission system website and submits admission form only through online mode. Each student gets unique online transaction ID. After collecting fees his admission receipt will be generated from college, once receipt is collected by student it is updated in Fees Management software. • Fee Management It handles fees related data of every student. • Student Management Student information system is a software application which helps us to manage students' data. Module is integrated with all other modules such as Library Automation software, Fee management software. Certificates like TC/LC can be generated using this module. <p>2. Employee Module In this Payroll software, a unique ID is provided to</p>

each employee. Working types can be Permanent, AdHoc. Personal information like first name, middle name, last name, caste, religion, date of birth, gender, marital status, father / mother / husband name, children detail, other family details, permanent and correspondence address, contact details, email address, blood group, disability if any, identity mark etc. is kept into the system for further use. Leave records of employees are available on ERP. 3. Library Module To reduce manual intervention, this Library Module is really helpful tool which can bring the revolutionary change into the Library automation Software and makes the transactions fast and secure. • Membership Membership can be provided to every student and faculty members. By using the member's data from college management system software librarian can generate the ID card for the member. Library management Software generates a Bar Code for the member which is helpful for future transactions. This library automation software helps to keep track of all the existing books. There is a unique Id for every book. Bar code helps in Issuereturn functionality. • OPAC Library Automation Software Online Public access catalog provides search option for student by Title, Author, Publisher, Book Editor, Edition Year, and Subject. • OPAC Library Management System It provides Search option by Accession No., Title, Author, Publisher, Place, Book Editor, Editor, Invoice etc. for librarian. It has library functionalities like Book Accession, Periodical Accession, etc. After accessioning, the books and periodicals are ready for circulation. Daily/monthly/yearly reports can be generated from this module.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

We follow the academic calendar provided by Savitribai Phule Pune University. We try to impart quality education depending upon the resource potentiality of

our institution. The institution has developed a structured and effective implementation of the curriculum. Following are the various means through which it executes the curriculum. Academic Calendar: IQAC team will go to prepare Academic Calendar as per the Savitribai Phule Pune University academic schedule and the requirements at the department level as per the action plans formed. Teaching Plan: Once Academic calendar prepared and finalized, faculty should start to prepare teaching plan as well as reference plan well before commencement of teaching. A Teaching plan includes course outcomes, course objectives, content topics, reference books and the expected outcomes from the students by learning through the topics prepared by respective faculty members at the beginning of each semester. Teaching plans provide us an insight on how academic progress is handled in a semester. Principal Meeting: Such meetings are held once in a month or as and when required to map up the preset objectives. The Head of the Departments discuss their action plans to arrive at an optimal and effective way. Respective head of the department continuously monitors the departmental academic and other developmental activities. Value added Program: Every department will go to focus or arrange value added program for student welfare. Workshop on Emerging technologies, Expert lecture on respective subject should be taken under the value added program. Student Assessment: Students' assessment is executed to identify slow learners and advance learners from the results of Unit test and Prelim Examination.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

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

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	15/06/2018
BE	Computer Engineering	15/06/2018
BE	Electronics and Electronics Engineering	15/06/2018
BE	Information Technology	15/06/2018
BE	Mechanical Engineering	15/06/2018
ME	Mechanical Design Engineering	15/06/2018
ME	Civil Environmental Engineering	15/06/2018

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

	Certificate	Diploma Course
Number of Students	0	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
INNOV. IN ENGG. FIELD / AGRI.	15/06/2018	65
FIRE SAFETY	17/12/2018	41
AWRN. TO CIVIL ENG PRACTICES	15/06/2018	63
ROAD SAFETY MANAGEMENT	17/12/2018	63
Mobile Repairing Workshop	30/03/2019	31
IoT Using Raspberry pi	18/03/2019	43
Road Safety Management	15/06/2018	12
Cyber and Information Security	15/06/2018	17
Human Behaviour	15/06/2018	21
Cyber Crime and law	17/12/2018	12
Social Awareness and governance programm	17/12/2018	17
Team Building, Leadership and Fitness	17/12/2018	21
PYTHON WORKSHOP	18/03/2019	58
Huminities and social science	15/06/2018	29
Digital social media marketing	15/06/2018	15
Statistical Learning model using R	15/06/2018	22
Intellectaul propriety Right and petenting	17/12/2018	29
Intellectaul propriety Right and petenting	17/12/2018	15
IoT - Application in Engineering field	17/12/2018	22
COUNSELLING SESSION	16/04/2019	115
Smart Cities	15/06/2018	65
Intellectaul propriety Right and petenting	17/12/2018	57
Intellectaul propriety Right and petenting	17/12/2018	2
Professional ethics and etiquettes	15/06/2018	58
Digital social media marketing	17/12/2018	58
Botnet of things	15/06/2018	54

Business intelligence	17/12/2018	52
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	21
BE	Information Technology	7
BE	Electronics and Telecommunication Engineering	15
BE	Civil Engineering	4
ME	MECHANICAL DESIGN Engineering	3
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>The institution collects the feedback on curriculum aspects and courses from different stakeholders such as the students, Faculty, Employers, Parents and Alumni. The institution established Internal Quality Cell Assurance Cell in order to ensure and analyze the academic excellence at student and faculty levels. A periodical analysis is made by IQAC from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment in our Institute. Students feedback is taken for the basic improvement in the academic and infrastructural development of the institution. If the academic feedback of the faculty found to be less than the 50 special training from the institute is provided for them. NPTEL courses are made mandatory to the faculties for effective delivery of curriculum which leads to Outcome Based Education. Students submit feedback on infrastructure through which institute upgrade laboratory equipment to cope up with a new technology. The institute also considers the parents feedback for the overall development, the valuable suggestions if any will make notice to the all head of the departments, principal, and management. The feedback of teachers is playing a key role in curriculum development if any gap is observed, it is discussed in the principal meeting and corrective measures are taken in the institute as well as will make notice to the respective Board of studies of Savitribai Phule Pune University for possible changes in the course structure for the next curriculum regulation. Employer feedback is reviewed by the Training and Placement Officer with Head of the Department and in concern with Head of Institute to make students industry ready. Employer feedback is also helpful for adopting new technology through Value Added Courses in the curriculum.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Civil Engineering	60	51	19
BE	Computer Engineering	60	106	54
BE	Electronics and Telecommunication Engineering	60	10	5
BE	Information Technology	60	95	38
BE	Mechanical Engineering	60	40	15
ME	Mechanical Design Engineering	60	16	16
ME	Civil Environmental Engineering	60	22	22

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	757	74	50	1	5

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
56	56	6	16	1	3

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

In the institute, after commencement of academics there is allocation of mentors through the Head of Department in each department to conduct counseling session after college hour for the assigned batch of the students to the extent possible enrichment in the curriculum and personal development of the assigned mentee. Assigned mentors conduct at least one meeting a month to monitor the performance of assigned batch of mentee till the completion of the curriculum. Mentor maintains the records of mentorship. Mentor communicates the performance and development of concern mentee to their parent/guardian through communication channels (email/phone calls/postages/social media). Mentors motivate the concern batch of mentee to improve their

overall performance and maintain the record of the same. After every meeting, report of meeting is submitted to Head of the Department and remedial actions are taken or discussed by mentor and Head of the Department. Mentors motivate mentee for events and ensure their presence and discipline with institutional uniform. Mentors inform to class in charge regarding absentee of mentee on daily basis. Following major points planned to be discussed in meeting 1. Academic, teaching feedback of students 2. Suggestions from students 3. Attendance of students 4. Difficulties faced by students

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
831	55	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
73	38	35	22	1

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	Electronics and Telecommunication Engineering	7	17/10/2018	01/02/2019
BE	Electronics and Telecommunication Engineering	8	09/04/2019	16/07/2019
BE	FE	1	30/11/2018	12/02/2019
BE	FE	2	23/04/2019	21/07/2019
BE	Mechanical Engineering	3	17/10/2018	12/02/2019
BE	Mechanical Engineering	4	09/04/2019	21/07/2019
BE	Mechanical Engineering	5	17/10/2018	24/01/2019
BE	Mechanical Engineering	6	09/04/2019	22/07/2019
BE	Mechanical Engineering	7	17/10/2018	01/02/2019

BE	Mechanical Engineering	8	09/04/2019	18/07/2019
BE	Civil Engineering	3	17/10/2018	12/02/2019
BE	Civil Engineering	4	09/04/2019	21/07/2019
BE	Civil Engineering	5	17/10/2018	24/01/2019
BE	Civil Engineering	6	09/04/2019	22/07/2019
BE	Civil Engineering	7	17/10/2018	01/02/2019
BE	Civil Engineering	8	09/04/2019	18/07/2019
BE	Computer Engineering	3	17/10/2018	12/02/2019
BE	Computer Engineering	4	09/04/2019	21/07/2019
BE	Computer Engineering	5	17/10/2018	24/01/2019
BE	Computer Engineering	6	09/04/2019	22/07/2019
BE	Computer Engineering	7	17/10/2018	01/02/2019
BE	Computer Engineering	8	09/04/2019	18/07/2019
ME	Mechanical Design Engineering	1	08/12/2018	18/03/2019
ME	Mechanical Design Engineering	2	11/05/2019	14/08/2019
ME	Mechanical Design Engineering	3	24/10/2018	18/03/2019
ME	Civil Environmental Engineering	1	08/12/2018	18/03/2019
ME	Civil Environmental Engineering	2	11/05/2019	14/08/2019
ME	Civil Environmental Engineering	3	24/10/2018	18/03/2019
BE	Information Technology	3	17/10/2018	12/02/2019
BE	Information Technology	4	09/04/2019	21/07/2019

BE	Information Technology	5	17/10/2018	24/01/2019
BE	Information Technology	6	09/04/2019	22/07/2019
BE	Information Technology	7	17/10/2018	01/02/2019
BE	Information Technology	8	09/04/2019	18/07/2019
BE	Electronics and Telecommunication Engineering	3	17/10/2018	12/02/2019
BE	Electronics and Telecommunication Engineering	4	09/04/2019	21/07/2019
BE	Electronics and Telecommunication Engineering	5	17/10/2019	24/01/2019
BE	Electronics and Telecommunication Engineering	6	09/04/2019	22/07/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Evaluation process plays important role in teaching learning process as follows: Students and parents are made aware of the evaluation process through the induction program conducted at the beginning of the academic year. Our stakeholders such as students, faculties, parents, management etc. are timely informed regarding evaluation process through various ways such as notice board, website and letters to parents in following manner

Continuous Internal Evaluation Attendance: Class teacher and mentor (Guardian Faculty member) motivate to students to attend theory lectures and practical regularly to achieve 100 attendance this will improve the student performance in the academia. The 12 marks are allotted to the theory lecture attendance and 10 marks for practical attendance. The T.A. stand for Theory Attendance and P.A. stand for Practical Attendance in evaluation sheet

Unit Test: As per the Savitribai Phule Pune University (SPPU) curriculum, internal unit test or midsem examination is carried out based on university exam pattern. The assessment is carried out by the subject faculty and the marks are being displayed and conveyed to respective students and parents. The test is executed for 30 marks which converted to 5 marks for evaluation purpose.

Preliminary examination: As per the Savitribai Phule Pune University (SPPU) curriculum, internal Preliminary examination is carried out based on university exam pattern. The assessment is carried out by the subject faculty and the marks are being displayed and conveyed to respective students and parents.

Preliminary examination is actually executed for 50 marks converted to 6 marks for evaluation purpose.

Practical Performance (PP): The practical evaluation is based on the students performance during the practical/experiment carried out by him in prescribed manner of standard procedures/codes/algorithms/principles etc. which helps to map understanding level students after completion of prescribed list of the experiments by the Savitribai Phule Pune University. The evaluation is carried out for 10 marks.

Teacher Opinion (T.O.): The continuous interaction between faculty and student will help to improve the interpersonal values of the student. This evaluation is based on 5 marks.

Timely Submission (T.S.): Timely submission of the given assignments, journal completion, drawing

sheets, computer programming etc. The habit of timely completion of given tasks will be helpful to student in time management. The marks allocation for this activity is 2 marks

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

Savitribai Phule Pune University (SPPU) announces academic schedule of every semester before commencement. With respect to that announced schedule, academic calendar of institution is prepared for undergraduate as well as postgraduate courses before commencement of every semester. It consists of commencement of instructional activity, schedule of internal and SPPU examination, defaulter list, schedules of seminar, project work and end of instructional activity. It is displayed on departmental notice boards. Teaching loads are allocated to faculty members well before advance so that they could make the plans. Every faculty member prepares teaching plan for each theory and laboratory courses before the start of the semester. Academic calendar is the back bone of various teaching learning plans prepared before start of every semester. Teaching plan includes unit wise number of lectures to be conducted, content of syllabus to be covered etc. After assessment and declaration of internal examinations results, remedial action are taken according to academic calendar. After declaration of examination result by SPPU subject wise and overall result analysis is carried out. As per the review of Internal Quality Assurance Cell (IQAC), we monitor the teaching learning process. Continuous counseling through departmental meetings, student's feedback on teaching learning activity, conducting brain storming activity in the meetings for different teaching strategies is planned in academic calendar.

2.6 – Student Performance and Learning Outcomes

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

<http://www.abmspcoerpune.org/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Civil Engineering	BE	Civil Engineering	61	61	100
Computer Engineering	BE	Computer Engineering	52	50	96.15
Electronics and Telecommunication Engineering	BE	Electronics and Telecommunication Engineering	19	15	78.94
Information Technology	BE	Information Technology	22	21	95.45
Mechanical Engineering	BE	Mechanical Engineering	69	63	91.30

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the

questionnaire) (results and details be provided as weblink)

<http://www.abmspcoerpune.org/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	2	SPPU(BCUD)	2.3	0
Projects sponsored by the University	2	SPPU(BCUD)	0.24	0
Projects sponsored by the University	2	SPPU(BCUD)	0.21	0
Projects sponsored by the University	2	ASPIRE for IQAC SPPU, PUNE	3	0
Projects sponsored by the University	2	ASPIRE for IQAC SPPU, PUNE	2.4	0
Projects sponsored by the University	2	ASPIRE for IQAC SPPU, PUNE	1.15	0

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Moblie Repairing Workshop	Electronics and Telecommunication Engineering	13/03/2019
IoT and RaspberryPi	Electronics and Telecommunication Engineering	18/03/2019
Workshop on Python Programming	Information Technology	18/03/2019
one day workshop on Intellectual property rights	Mechanical Engineering	16/03/2019
International seminar of Future Disruptive Technologies	All Department	19/03/2019
one day workshop on Entrepreneurship development	All Department	25/01/2019

one day workshop on scientific paper writing	All Department	18/03/2019
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3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
No file uploaded.				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Atal Incubation Center	Atal Incubation Center	Science and Technology Park, SPPU	NIL	NIL	25/04/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	10	5.87
International	Computer Engineering	11	5.95
International	Electronics and Telecommunication Engineering	10	5.87
International	Information Technology	10	5.87
International	First Year Engineering	5	5.87
International	Mechanical Engineering	12	5.87

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

Department	Number of Publication
Civil Engineering	12
Computer Engineering	13
Electronics and Telecommunication Engineering	7
Information Technology	10

First Year Engineering	6
Mechanical Engineering	16
View File	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	16	0	0	0
View File				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Voters Awareness and Registration Program	NSS	1	47
Yuva Saptah, Swami vivekanand Mata Jijau Jayanti celebration	NSS	1	87
Indoor Air Pollution Awareness Program at various schools in pune city	NSS	1	3
Poster Presentation on Voters awareness Program	NSS	1	38
Visit to Vigyan Aashram, Pabal	NSS	1	16

FSIs Run for safety	NSS	1	42
Marathi Bhasha Gaurav Din	NSS	1	28
Women's Day Celebration	NSS	1	21
University level camp organized by Ferguson college at Alandi Anubhiti Swachi Utkarsh Jivnacha	NSS	1	3
Poshan Pandharwada Awareness program	NSS	1	42
International Yoga Day	NSS	1	33
Tree Plantation	NSS	1	45
Nirmal Wari (Vishrant WadiPune)	NSS	1	16
State Level Workshop on Role of NSS Engineering in Rural Development.	NSS	1	18
Rain Water Harvesting system implementation for the college	NSS	1	35
Tree Plantation	NSS	1	40
Swachhata Awareness Campaigning (TE)	NSS	1	34
Swachhata Oath	NSS	1	50
Lab, Class room, Library Cleaning Activity	NSS	1	52
College Campus Cleaning (Outside the building)	NSS	1	50
Swachhata Awareness Campaigning (BE)	NSS	1	18
Cleanliness activity at Tourist Places (Parvati)	NSS	1	24
Cleanliness activity at Historical Place	NSS	1	32
University organized NSS Short Term Course at Pachgani, Wai. (Education in Universal Human	NSS	1	1

Values)			
Samarth bharat Abhiyan	NSS	1	22
Swachhata Campaigning during Pune's Ganapati festival	NSS	1	73
Surgical Strike celebration	NSS	1	91
Gandhi Jayanti	NSS	1	27
Jagar Sanvidhanacha Power Walk	NSS	1	104
Fund raising Activity to Snehghar orphanage, Shivajinagar	NSS	1	58
Unity Day Celebration	NSS	1	61
Blood Donation Camp	NSS	1	18
SPPU organized Workshop on Today's Water problem and Drought	NSS	1	19
Savitribai Phule Jayanti Program	NSS	1	15
Pani foundation organized MAHASRAMADAN at Sayambachi Wadi, Tal Baramati, Pune.	NSS	1	10
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
INDOOR AIR POLLUTION'S AWARENESS PROGRAM	Awarded total cash remuneration of 15000 (5000 each)	Savitribai Phule Pune University	3
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
As Per SPPU Circular	APCOER, Pune	Environmental Day	2	115
As Per SPPU Circular	APCOER, Pune	Pride Program for Independence	2	58

		Movement		
As Per SPPU Circular	APCOER, Pune	Sadbhavna Divas	2	79
As Per SPPU Circular	APCOER, Pune	Vachan Prerana Din	2	30
As Per SPPU Circular	APCOER, Pune	Marathi Bhasha Sanwardhan Pandharawada	2	20
As Per SPPU Circular	APCOER, Pune	Lokashahi Pandharawada	2	65
As Per SPPU Circular	APCOER, Pune	Marathi Language glory day	2	56
As Per SPPU Circular	APCOER, Pune	Gandhi Jayanti	2	95
SWO	APCOER, Pune	Awareness workshop on sexual harresment of women	2	57
SWO	APCOER, Pune	Disaster management workshop	2	107
SWO	APCOER, Pune	Taekwando training	2	86
SWO (As per circular from NCW)	APCOER, Pune	Nationwide Competition on Legal Rights of Women	2	87
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research	3	Project Sponsorship	1
Research	4	Project Sponsorship	1
Research	1	Project Sponsorship	1
View File			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Faculty Training	Faculty Training	Institute of Satellite	01/03/2019	01/03/2019	2

		Telecom Pvt.Ltd, Pune			
Students Internship	Students Internship	Qspider, Pune	24/01/2019	30/06/2019	2
Students Internship	Students Internship	Qspider, Pune	10/01/2019	30/06/2019	3
Faculty Training	Faculty Training	Indicus Software Pvt. Ltd, Pune	17/11/2018	24/11/2018	27
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Science Technology Park, Pune	25/04/2019	To set up Atal Incubation Centre	0
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
0	0

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
VRIDDHI	Fully	2.0 BUILD 255.6	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	4184	1447117	42	20405	4226
Reference Books	242	167521	21	10713	263	178234
Journals	42	118230	43	124150	85	242380
e-Journals	6850	70800	7853	70800	14703	141600
Digital Database	0	0	1	28800	1	28800
Others (specify)	5007	1937071	41	17953	5048	1955024
e-Books	1613	13570	2170	13570	3783	27140
Library Automation	1	78750	0	10384	1	89134
View File						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	466	22	466	1	1	1	5	48	0
Added	2	0	2	0	0	0	0	0	0
Total	468	22	468	1	1	1	5	48	0

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

48 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
No Data Entered/Not Applicable !!!	

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
50.35	5.78	49.7	46.88

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

The institute has a mechanism for maintenance and upkeep of the infrastructure, facilities and equipment as follows: • Institute has supervisors and a supporting staff to look after the house keeping of the institute. • Institute has technicians for effective conservation and maintenance of electrical and water drinking/ drainage facility. • Security staff under a security supervisor is employed so as to safe guard the campus. • Annual stock verification is carried out in all the departments. Report of faulty and defected equipments is forwarded to Head of the department for necessary repairs through a standard procedure. • Regular maintenance of equipment in all laboratories is carried out by the technical staff at the departmental level also in some cases it is recommended that the vendor of specific equipment should be serviced from supplier. Concerned in charge refers the case to the HOD HOD to Principal for clearance and then the necessary operations are preformed. • Computer hardware and software related maintenance is done by technical staff under the guidance of Head, Computer Engineering Department. • Maintenance of furniture items and metal fixtures is carried out by Workshop. Manufacturing of benches, Tables, racks etc. are carried out in Workshop. • General Civil maintenance and upkeep of civil infrastructure is carried out by Estate Manager under vigilance of Civil Department.

<http://abmspcorpune.org>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	0	0	0
Financial Support from Other Sources			
a) National	Lila Poonawalla Foundation	1	40000
b) International	0	0	0

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Remedial coaching	17/12/2018	150	Internal Faculty
Personal Counselling	02/07/2018	95	Counselor appointed by institute
Mentor Mentee Scheme	02/07/2018	764	Internal Faculty
Bridge Course (Workshop on Introduction to Python Programming)	18/03/2019	58	PHN Technologies
Bridge Course	19/03/2019	68	Subject Experts

(International Seminar on Disruptive Technology)			
Yoga And Meditation	21/06/2019	108	Yoga Expert (Rupesh Tripathi)
Bridge Course (Mobile Repairing Workshop)	13/03/2019	43	Utkarsh Institute
Bridge Course (Workshop on IOT and Raspberry PI)	18/03/2019	27	ATOS India PVT. LTD.
Bridge Course (Disaster Management)	12/03/2019	91	NDRF, Pune
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	GATE Coaching	226	226	4	41
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Capgemini, Taware Construction, Cyronics, Rak Softech, U.L.Group	152	28	Infosys, Amazon, Pneumatics, Zensar, Bitwise, LT Infotech, Soni, Accenture, Digital Marketing	67	13
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	Bachelor of Engineering	Information Technology	Pimpri Chinchwad College of Engineering, Pune	Master of Engineering (Computer Engineering)
2019	1	Bachelor of Engineering	Information Technology	University of Technology Sydney	Master of Interaction Design
2018	2	Bachelor of Engineering	Computer Engineering	Marathwada Mitramadal College of Engineering	Master of Engineering (Computer Engineering)
2018	1	Bachelor of Engineering	Mechanical Engineering	Vellore Institute of Technology, Vellore	Master of Technology
2018	1	Bachelor of Engineering	Mechanical Engineering	Anantrao Pawar College of Engineering & Research, Pune	Master of Engineering (Mechanical Design Engineering)

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

Items	Number of students selected/ qualifying
GATE	2
Any Other	2
Civil Services	1

[View File](#)

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

Activity	Level	Number of Participants
SPARKTECH 2K19	Institution	616
Annual Sports Meet 2018 19	Institution	655

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
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2019	All India Inter University, Bengaluru (Gold Medal)	National	1	0	2228	Pranjal Tathwade
2019	MIT Sport Summit (100 Meters Breast Stroke Gold Medal)	National	1	0	2228	Pranjal Tathwade
2019	MIT Sport Summit (50 Meters Butterfly Stroke Silver Medal)	National	1	0	2228	Pranjal Tathwade
2019	MIT Sport Summit (100 Meters Free Style Silver Medal)	National	1	0	2228	Pranjal Tathwade

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Institute has formed Student Council as per the norms laid by the Student Development Department of SPPU. Constitution of the Student Council 1. Chairman (Principal) 2. Student Development Officer 3. Staff Member Nominated by the Principal 4. N.S.S. Coordinator 5. Student Nominated by the Principal 6. Director of Physical Education 7. Students Nominated from Sports, NSS, and Cultural activities 8. Lady student members nominated by Principal The student association plays a dominant role in many activities related to fine arts, sports, curricular and other cocurricular activities at the institute.

Institute provides necessary support to the council members in organizing coordinating the events. It encourages the students to develop their leadership skills through these activities. Student members who plays active participation in this council and on different academic, administrative bodies/committees of the institution can become real leaders and competent managers in future.

Representation of Students in Cultural activities The institute has formed ISTE (Indian Society for Technical Education). All the cultural and technical activities are executed under the umbrella of the ISTE. Constitution of the ISTE 1. President 2. Vice President 3. Heads of different committees such as Promotion, advertising. 4. Volunteers The committee of the ISTE is formed by the transparent selection process and as per the norms laid by the ISTE. The Selection Committee comprises of Principal, ISTE Faculty coordinators, Student Development Officer, all the Head of the Departments and PG Coordinators.

Cultural events such as Chocolate day, Traditional day mismatch day are organized and technical events such as Gaming Competitions Robo war, Seminars, Paper Presentations etc are part of the annual technical and cultural event SPARK TECH. Students take active participation in these events and the ISTE

team take the lead in smoothly organizing all these events. Representation of the Students in Sports activities The institute organize Annual Sports Meet to showcase sporting talent among the students. Students give overwhelming response to these events .The Students Volunteer Team guided by Physical Director Takes the lead in organizing the sports events. Representation of Students in NSS Activities The National Service Scheme (NSS) is a Central Sector Scheme of Government of India, Ministry of Youth Affairs Sports. It aims at developing students' personality through community service. The NSS unit at APCOER provides a platform to the students and faculty for community work and developing a sense of involvement in the tasks of nation building. A variety of activities are organized every year to channelize the energy and idealism of the younger generation into creative pursuits. The NSS wing organizes activities like Blood Donation Camps, Clealiness drives, Leadership Workshops, Special winter Camps, National Awareness Programmes, "Shramdaan" etc. The NSS unit at APCOER functions under the guidance of a Principal and NSS programme officer. Representation of Students in Grievance Redressal Student members nominated by Principal are active members of grievance redressal committees namely Antiragging committee, Internal Complaint committee, reservation Grievance Committee, Hostel Committee etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Registration of Alumni Association Alumni Association has been formed at Anantrao Pawar College of Engineering and Research, Parvati, Pune as per the norms laid down by the Savitribai Phule Pune University. Alumni Association is formally registered dated 21/08/2018, Registration Number MH/1146/2018/PUNE with Charity Commissioner Pune adhering to the Rules and Regulations from the said competent authority. Formation of Alumni Association As per the norms laid by Savitribai Phule Pune University the Alumni Association is formed with following members constituted in it 01 President Student Development officer of the Institute 02 Vice President Head/Senior Faculty member 03 Secretary Alumni Association Coordinator 04 Member Student representative from Civil Engineering Department (UG) 05 Member Student representative from Computer Engineering Department (UG) 06 Member Student representative from Electronics and Telecommunication Engineering Department (UG) 07 Member Student representative from Information Technology Engineering Department (UG) 08 Member Student representative from Mechanical Engineering Department (UG) 09 Member Student representative from Civil Engineering Department (PG) Objectives of the Alumni Association ? To Mentor the students of the college for higher education, development of professional ethics and social awareness. ? To encourage the students of the college members of the Association for research development work in various fields of Engineering. ? To arrange and support in placement activities for the students ? Promote the industryinstitute interaction to bridge the gap between industry requirements and education offered and improve students' employability opportunities. ? To encourage and guide the students of the college on selfemployment to become successful entrepreneurs. ? To provide Scholarships to deserving students and for the purpose of Education and Sport. ? To encourage and support students of the college in sports, cultural and extracurricular activities. Meeting Activities organized by Alumni Association The institute has active and registered Alumni Association which is formed as per the norms. Alumni Meetings are organized at least once every year to establish a proper communication among the alumni and all the stakeholders of the institute. For communication and information sharing social media is used effectively. These alumni meetings are organized by the Alumni Association of the institute and it receives overwhelming response every year. Alumni Association of the institute engages different activities through

wellestablished Alumni Network. Alumni network has a real life benefit for current students. Alumni donate their valuable time to offer career support and valuable guidance to current students. This enhances the students' experience and gives them that competitive edge in todays demanding job market. Alumni associated with the Alumni Association are always keen to promote and recommend job opportunities available to the current aspiring students of the institute.

5.4.2 – No. of enrolled Alumni:

110

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

55000

5.4.4 – Meetings/activities organized by Alumni Association :

The institute has active and registered Alumni Association which is formed as per the norms. Alumni Meetings are organized at least once every year to establish a proper communication among the alumni and all the stakeholders of the institute. For communication and information sharing social media is used effectively. These alumni meetings are organized by the Alumni Association of the institute and it receives overwhelming response every year. Alumni Association of the institute engages different activities through well established Alumni Network. Alumni network has a real life benefit for current students. Alumni donate their valuable time to offer career support and valuable guidance to current students. This enhances the students' experience and gives them that competitive edge in todays demanding job market. Alumni associated with the Alumni Association are always keen to promote and recommend job opportunities available to the current aspiring students of the institute.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

ISTE The Indian Society for Technical Education (ISTE) is the leading National Professional nonProfit making Society for the Technical Education System in our country with the motto of career Development of Teacher and Personality Development of Students and overall development of our Technical Education System. Under ISTE SPARKTECH is organized. To organize this event approval is taken by Principal from Management. Faculty representative and Coordinator are decided by all heads of department and Principal. To organize this events different student committees are also formed. Following post will be decided by all Heads of Department. Chairperson, ViceChairperson, Secretary, JointSecretary, Treasurer are selected through interviews. Remaining posts Such as Editor, Technical Event Coordinators, Social Activity Head etc. Decided by Faculty Coordinator and final Student Committees are approved by principal. The different event organized in last year such as Roborace by Mechanical Department students, Crypt Ur Mind by Computer Department, Box Cricket by Civil Department, PUBG by IT Department, Paper Presentation by Electronics and Telecommunication Department. So through participative Management of all the stakeholders event is successfully implemented. NSS National Service Scheme is a voluntary association of young students in colleges which provides services to society without bias. NSS volunteer works for providing help in natural and manmade disasters by supplying food, clothing and first aid to the disaster victims, arranges blood donation camps to fulfill shortage of blood requirement in hospitals, street plays and awareness campaigns for save a girl child and educate her, tree plantation to protect environment and save mother earth, cleanliness moments for hygiene and healthy life, road safety awareness

campaigns to reduce road accidents. During NSS Special Camps, a volunteer learn from people in villages how to lead a good life despite a scarcity of resources, develops a sense of social responsibility gets the practical lessons of value education. In our college NSS Unit comprises NSS coordinator and staff committee which is decided by Principal and all heads of Department. NSS coordinator along with staff committee forms student volunteers. All students' volunteers are divided in different groups to carried out different activities by NSS coordinator for particular NSS event. Group leader is also decided by NSS coordinator. The different events organized by NSS include following events/ major activity's which starts with Permission of Principal and Management for particular event. Sanctioning estimated budget from Principal and management, few events are sponsored by University also, then planning of event, Adoption of Village, Contacting Village/Area Leaders, Survey of the Village/Area, Identification of Problem(s), actual field work and Solution to problems and finally Evaluation of Project. Project is evaluated after its completion by involving members of the community, Government officials and Panchayat officials. The NSS unit learns from the lapses in the execution of the project and plan for the next project keeping in view the bottlenecks and constraints faced by them during the earlier project. So through participative Management of all the stakeholders' event is successfully implemented.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Research and Development	<ul style="list-style-type: none"> • Active Research and Development cell promotes research culture among faculties and students. • Faculties and students are constantly encouraged to present and publish research Papers in International and National Journals/Conferences. • RD cell promote faculties to pursue higher education. • The Institute provides a platform for faculty to take up research endeavors through its MOUs with prominent research organizations. • Training programs are conducted for the staff for knowledge up gradation. • Research resources are available through DELNET facility. • Students have participated in SPPU Avishkar Project Competition. • Faculties have applied and received research grants.
Examination and Evaluation	<ul style="list-style-type: none"> • In Semester, End Semester and Practical/Oral Examinations are conducting as per timetable and evaluating as per the norms of SPPU. • Unit test, Prelim Examination and mock online examinations are conducted as per Academic Calendar to track the progress of the students and remedial actions are taken for slow learners after analyzing the results. • Term

	work marks are granted based on Continuous Internal Evaluation.
Teaching and Learning	<p>Effective teaching methods are adopted to create interest in the students. Remedial classes are offered for slow learners. Assignments are given on theory and practical. Mentoring and counseling of slow learners are part of teaching and learning process. Unitwise Question banks and model answer sheet of university old question papers prepared by respective faculty are discussed. Student chapters help the students to get industry exposure. Faculties are encouraged to attend FDPs, Workshops and industrial training to upgrade their knowledge which helps in teaching learning process. Subject experts are invited to conduct sessions for the students and faculties.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>As per Syllabus revision and faculty recommendation, library is enriched with new 42 text books, 62 reference books and 45 printed journals and magazines Digital library has been set up to refer ejournals and NPTEL videos. Subscription of DELNET and JGATE has been started along with Startup and Innovation report. Classrooms are equipped with LCD projectors and internet facility Internet facility with 48 mbps (1:1) Kiosk facility for information sharing Online GATE coaching sessions aired via satellite from KONGO educational services IOT Lab with Contineo platform has been developed Internet and WiFi facility is available in entire building</p>
Human Resource Management	<p>Recruitment process is carried out as per rules and regulations laid down by regulating authorities. Code of conduct and policies are incepted in appointment order for awareness. Roles and responsibilities of every entity are welldefined in ISO process manuals to make optimal utilization of resources. Welfare measures for faculty and staff to ensure healthy work environment. Relieving process is defined in ISO process manuals to ensure proper handover of responsibilities.</p>
Curriculum Development	<ul style="list-style-type: none"> • SPPU does curriculum development in accordance with stake holders such as board of studies, Industrial Experts etc. • Approved Curriculum is available

to all stake holders on SPPU website. • As per SPPU Academic Calendar and Syllabus, IQAC prepares Academic Calendar of the Institute and this calendar will be followed for conduct of academic activities. • IQAC Internal as well as external Academic and Administrative audits are conducted. • Feedbacks from Students and Industry Experts are considered for Curriculum development by SPPU authorities. • Content beyond syllabus will help students to gain broader knowledge in respective subject.

Admission of Students

• Institute follows DTE and ARA norms for admission process. • Institute admits candidates through Centralized Admission Procedure (CAP) • Candidate reports to student section with DTE allotment letter • Candidate fills online institute admission form using institute MIS system • After submission of form and fees payment student enrollment id is generated and candidates original documents will be retained in the administrative office till the verification of documents by DTE. • Using same MIS system library department generate student ID card. • List of enrolled students is communicated to respective department.

Industry Interaction / Collaboration

1. All departments carry out industrial visit as a part of curriculum. 2. T.E. and B.E. Students undergoes internships. 3. Institute has signed MoU with reputed industries to build strong connect for placement. 4. Institute has innovation Club for guiding students about recent technologies. 5. Institute is providing guidance for career opportunity to students through industry and professional interaction. 6. Institute has signed MoU with Science and Technology Park to develop Atal Incubation Center for promoting research and testing centre for electrical vehicle components. 7. Institute has developed IoT Lab to promote students and faculty research in the upcoming technology. 1. All departments carry out industrial visit as a part of curriculum. 2. T.E. and B.E. Students undergoes internships. 3. Institute has signed MoU with reputed industries to build strong connect for placement. 4. Institute has innovation

Club for guiding students about recent technologies. 5. Institute is providing guidance for career opportunity to students through industry and professional interaction. 6. Institute has signed MoU with Science and Technology Park to develop Atal Incubation Center for promoting research and testing centre for electrical vehicle components. 7. Institute has developed IoT Lab to promote students and faculty research in the upcoming technology.

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

E-governance area	Details
Finance and Accounts	<p>For Finance and Accounts, We use Tally as E-governance. Tally is a accountancy software which includes business management solution and taxation support with an ideal combination of function. In our Institute, we use Tally for following -</p> <ol style="list-style-type: none"> 1. For recording any income earned and expenses by the Institute. 2. Day wise collection Entries of all transactions made in the institute. 3. For recording money deposited into or withdrawn from the bank. 4. Salary Payment Details of all staff. 5. PF details of staff. 6. Income Tax Payment Entries of all staff. 7. Tuition fees Detailed entry of each student 8. Exam Fees entry of each student.
Student Admission and Support	<p>For Student Admission and support, we use Vriddhi: MIS system for e governance.</p> <ol style="list-style-type: none"> 1. Student Admission When a new student comes for admission, the institute adds details of the new student into the college admission system. Then these details can be used for further actions and these details can be changed very easily whenever required using this system. 2. Student Support This module is capable of handling student background data, students SPPU result. When a student requests for T.C./L.C. certificate, the student information system will gather all the required information and respective certificate is generated and issued.
Administration	<p>For Administration, we use Vriddhi: MIS system for e governance which integrates all data and processes of an educational institution into a unified system.</p> <ol style="list-style-type: none"> 1. Student Management This

module is capable of handling student background data, student assessment scores and many other students' related data required in the institute. 2. Employee Module In this Module, a unique id is provided to each employee. 3. Library Module Membership can be provided to every student and faculty members. By using the member's data, librarian can generate the ID card for the member.

Examination

1. For Examination form filling, student use the links provided on following URL <https://exam.unipune.ac.in/Pages/ExamFormsOnline.html> 2. For Summary of students and OR/PR Internal /External Examiner allocation as well as Examination Schedule, College uses SPPU link as follows <http://intmarks2.unipune.ac.in/> 3. For hall ticket generation, college uses SPPU link as follows <http://hallticket.unipune.ac.in/> 4. For revaluation, Student uses SPPU link as follows For Application Process: <http://pun.unipune.ac.in/revalengg/> For Revaluation Results : http://unipune.ac.in/university_files/Reval_Online_Results_online.htm 5. For Stationary requirement of Exam, college uses SPPU Link as follows <http://examinward.unipune.ac.in/Godown/CollegeNew/login.aspx> 6. Examination Ordinances for Students accessed through below Link <http://exam.unipune.ac.in/Pages/Ordinances.html> 7. Online Question paper Delivery Download Systems accessed through, <http://qpd.unipune.ac.in/auth/login.aspx>

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for	Title of the administrative training programme organised for	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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	teaching staff	non-teaching staff				
2019	International Seminar on "Future Disruptive Technology "		19/03/2019	20/03/2019	16	0
2019	Demo and training for Vriddhi software data.	Demo and training for Vriddhi software data.	24/05/2019	24/05/2019	60	28
2019	Training on auditing of Quality Management System as per ISO 90012015	Training on auditing of Quality Management System as per ISO 90012015	20/03/2019	20/03/2019	18	1
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Effective Teaching Methodology for Engineering Mechanics	2	03/01/2019	05/01/2019	3
Workshop on NBA Accreditation	1	22/04/2019	26/04/2019	5
SATELLITE TELECOMMUNICATION INDUSTRIAL TRAINING	2	01/03/2019	01/03/2019	1
Faculty Orientation Program Audio Video Engineering	1	21/12/2018	21/12/2019	1
One day Workshop on IoT Raspberry Pi	4	18/03/2019	18/03/2019	1
Workshop on Patent Drafting and Filing	1	19/03/2019	19/03/2019	1

Workshop on "LaTeX	1	13/02/2019	14/02/2019	2
International Seminar on Future Disruptive Technologies	16	19/03/2019	20/03/2019	2
Faculty Orientation Program Machine Learning	1	21/12/2018	21/12/2018	1
Faculty Orientation Workshop Elective IV	1	21/12/2018	22/12/2018	2
Faculty Orientation Program PLC and Automation	1	21/12/2018	21/12/2018	1
Short Term Training Programme on "Deployment of Internet of Things (IoT)	1	11/06/2019	15/06/2019	6
60 hours of Professional Development for the Oracle Academy Course: Java Fundamentals and Programming	1	19/11/2018	23/11/2018	5
Faculty Development Program on "Cyber Security"	2	11/02/2019	17/02/2019	8
Faculty Development Program on "Android for Ubiquitous Computing"	2	10/12/2018	14/12/2018	5
Faculty Development Program on "Ubiquitous Computing using Android Studio"	1	22/01/2019	23/01/2019	2
Faculty Development Program on	1	02/03/2019	02/03/2019	1

"Android"				
Syllabus Implementation for Advanced manufacturing processes	1	11/01/2019	11/01/2019	1
Workshop on Digital storytelling with microsoft sway	1	18/12/2018	18/12/2018	1
Workshop on EContent Development	2	07/12/2018	08/12/2018	2
Workshop On Advances in Mechanical Engineering	2	01/03/2019	02/03/2019	2
Workshop on Moodle Learning Management System	27	15/03/2019	15/03/2019	1
Training on auditing of Quality Management System as per ISO 90012015	18	20/03/2019	20/03/2019	1
Faculty Development program on BIM Workflow for AEC Industry	1	20/12/2018	20/12/2018	1
FDP on Laboratory practice III	1	18/12/2018	19/12/2018	2
Workshop on Moodle learning management system at IIT Bombay	1	03/01/2019	03/01/2019	1
Introduction to python programming	2	31/01/2019	02/02/2019	3
FDP on Rubics Data science	1	14/06/2019	14/06/2019	1
One Day Seminar on "Awareness about DRDO Research Projects Opportunities under ARMREB, a	2	25/01/2019	25/01/2019	1

Research Board of DRDO"				
FDP on Data science	1	10/05/2019	16/05/2019	7
International workshop on advances in mechanical engineering	2	01/03/2019	02/03/2019	2
Faculty Development Program on "Data Science Rubics"	2	10/06/2019	15/06/2019	6
Faculty development programme on students induction	2	10/06/2019	16/06/2019	7
Effective Road Safety Practices	1	06/08/2018	10/08/2018	5
Faculty Development Programme on Entrepreneurship	1	10/12/2018	21/12/2018	12
Modeling and Analyzing Sustainable Transport.	1	17/12/2019	21/12/2019	5
Application of Total Station, Green Building Concept Design of Structures: Filed Practices	3	24/12/2019	28/12/2019	5
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	22	0	28

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
maternity leave, PF	PF	EBC, EARN AND LEARN, GROUP INSURANCE

6.4 – Financial Management and Resource Mobilization

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

Anantrao Pawar College of Engineering Research, Parvati, Pune has appointed

internal and external auditors. Generally the External audit is held in August and September every year. The institute has a mechanism for internal and external audit as follows. • Mechanism for Internal Audit: 1. The board of trustees of Anantrao Pawar College of Engineering Research, Parvati, Pune, appoints internal auditors for conducting internal audits of its institutes. 2. The team of one institute conducts audit for the other institute. The audit report is submitted to Principal and Management. 3. The Principal and accountant take care of doing compliance of the objections raised if any. • Mechanism for External Audit: The statutory audit is conducted by registered Chartered Accountant firm. He has audited Balance Sheet of "Anantrao Pawar College of Engineering Research" as on 31st March, 2019 and also the Income and Expenditure Account for the year. This audit includes examining, on a test basis, evidence supporting amounts and disclosures in the financial statements. Audit also includes accessing the accounting principle used and significant estimates made by management, as well as evaluating the overall financial statements. No minor and/or major objections have been raised in the external audit.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO	Yes	IQAC
Administrative	Yes	ISO	Yes	IQAC

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

1. ParentTeacher Meet: We conduct Parentteacher meet at departmental level once in a semester. The points like performance of student, attendance of student, previous and current year result of student are discussed with parents in this meeting. In addition to this, counseling of students is also done for problems other than academics. 2. Industrial Visits: We arrange industrial visits for students in coordination with the parents who are working in the industrial filed of the respective subject of engineering. The permission for some of the visits is taken from the parents. 3. Antiragging Committee: Antiragging committee is formed at the institute and the members in this committee involved are faculty, students and parents as well. ParentTeacher association is formally not constituted in the institute but above said activities are regularly done by parentteacher coordination

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

1. Demo Training for Vridhhi Software: VRIDDHI is software used as college data management system. The data can be entered online as well as offline and which can be shared with all the faculty, students and parents. Details of all students and faculty are entered in the software regarding all academic and

nonacademic processes. The training for the software is given to staff on 24/05/2019 and the number of participants was 28. 2. Training on Auditing of Quality management System as per ISO 9001:2015: The training for the software is given to staff on 20/03/2019 and the number of participants was 01. 3. Savitribai Phule Pune University Eligibility Training: The institute allows the staff members to attend the training programs related to eligibility and scholarship programs in samaj kalia.

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

1. ISO: The institute has implemented a quality management system in accordance with ISO 9001:2015. The certification has been given by TUVSUD South Asia Private Limited, Mumbai. The scope of this certification is to provide technical education to undergraduate and postgraduate students in various disciplines. The certificate is valid from 12/07/2019 to 11/07/2022. 2. IOT Lab: IOT lab has been set up in coordination with Innovation Club at APCOER in March 2019. The idea behind this lab is to provide the real time practical approach to students for their research activities. 3. Incubation Centre: Atal Incubation centre is established at APCOER in association with Science and Technology Park at SPPU, government of India for promoting research culture among students.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Career Cracker Talent Hunt	24/08/2018	24/08/2018	25/08/2018	293
2018	Personal Finance Management	01/09/2018	01/09/2018	01/09/2018	58
2019	Moodle Learning Managemnet System	15/03/2019	15/03/2019	15/03/2019	27
2019	International Seminar on Future Disruptive Technologies	19/03/2019	19/03/2019	20/03/2019	67

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male

Competition of Legal rights of Womens	20/12/2018	20/12/2018	52	34
Nirbhay Kanya Abhiyan - Taekwondo Training	10/01/2019	12/01/2019	105	0

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

Percentage of power requirement of the University met by the renewable energy sources
13.5283

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	0	1	16/12/2018	1	SPPU organized Workshop on Today's Water problem and Drought	Water conservation awareness	19
2019	0	1	19/02/2019	1	Visit to Vigyan Aashram, Pabal	Awareness of research activities nearby and skill improvement	16
2019	0	1	24/02/2019	1	FSIs Run for safety	Safety Precautions awareness at workplace	42
2019	0	1	05/03/2019	4	University level	Personality development	3

					camp organized by Ferguson college at Alandi Anubhiti Swachi Utkarsh Jivnacha	ment and mind power improvement	
2018	1	0	04/07/2018	1	Tree Plantation	Environmental	45
2018	1	0	19/07/2018	1	Rain Water Harvesting system implementation for the college	Save the Water	35
2018	1	0	02/08/2018	1	Swachhata Oath	Awareness of Swachhata	50
2018	1	0	05/08/2018	1	Lab, Classroom, Library Cleaning Activity	Cleanliness	52
2018	1	0	06/08/2018	1	College Campus Cleaning (Outside the building)	Cleanliness	50
2018	1	0	11/08/2018	1	Swachhata Awareness Campaigning (SE)	Awareness of Swachhata	33
2018	1	0	12/08/2018	1	Swachhata Awareness Campaigning (BE)	Awareness of Swachhata	18
2018	1	0	29/09/2018	1	Surgical Strike celebration	Patriotism	91
2018	1	0	02/10/2018	1	Gandhi Jayanti	Nonviolence	27
2018	1	0	06/10/2018	1	Jagar Sanvidhanacha Power Walk	Constitutional Awareness and women empowerment	104

2018	1	0	31/10/2018	1	Unity Day Celebration	National Unity	61
2019	1	0	25/01/2019	1	Voters Awareness and Registration Program	Voting awareness	47
2019	1	0	16/01/2019	4	Yuva Saptah, Swami vivekanand Mata Jijau Jayanti celebration	Youth Empowerment	87
2019	1	0	27/02/2019	1	Marathi Bhasha Gaurav Din	Rajyabhasa Awareness	28
2019	1	0	08/03/2019	11	Women's Day Celebration	Women Empowerment	21
2019	1	0	21/06/2019	1	International Yoga Day	Physical and Mental Health	108
2018	0	1	07/07/2018	1	Nirmal Wari (Vishrant WadiPune)	Cleanliness	16
2018	0	1	13/08/2018	1	Cleanliness activity at Historical Place	Cleanliness	32
2018	0	1	21/09/2018	2	Swachhata Campaigning during Pune's Ganapati festival	Cleanliness	73

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct	15/06/2019	The code of conduct defines how an organizations employees should act on a daytoday basis. It reflects the organizations daily operations, core values

and overall institute culture. All stakeholders observe and follow Code of Conduct defined at our institute based on code of conduct given by SPPU and governing authorities to enhance professional values and ethics of the institute. The handbook also includes Professional Ethics for personal and corporate that govern behavior within the context of a Teaching Profession institutional core values.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Indoor Air Pollution Awareness Program at various schools in pune city	01/02/2019	27/02/2019	3
State Level Workshop on Role of NSS Engineering in Rural Development.	09/07/2018	15/07/2018	18
University organized NSS Short Term Course at Pachgani, Wai. (Education in Universal Human Values)	17/08/2018	22/08/2018	1
Samarth bhara Abhiyan	11/09/2018	11/09/2018	22
Earn and Learn Scheme	01/07/2018	30/06/2019	12
National Disaster Training Programme	12/03/2019	13/03/2019	107
Fund raising Activity to Snehghar orphanage, Shivajinagar	27/10/2018	03/11/2018	58
Blood Donation Camp	12/12/2018	12/12/2018	18
Poshan Pandharwada Awareness program	20/03/2019	20/03/2019	42
Pani foundation organized MAHASRAMADAN at	01/05/2019	01/05/2019	10

SayambachiWadi, Tal
Baramati, Pune.

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

Rain Water Harvesting Institute is located at SouthWestern region of Parvati, Pune, state of Maharashtra in India. The geographical campus area of our college is around 68 Acres which is located at Parvati hills where ample of trees are planted, this prevents soil erosion. As per the topography direction of runoff, we have maintained 5 natural ponds in campus which will help to recharge ground water naturally. Rain water will be stored in the selected ponds as per their capacity, and will simultaneously recharge the ground water table, in turn conserve the rain water. Vermicomposting The solid waste generated in the institute premises by dry tree leaves, raw kitchen waste (from canteen) etc. have been treated to make compost fertilizer. We have prepared 6 dumping pits of 5 feet deep and 3.5 feet wide area where the waste is dumped on daily basis day by day. Each bore is assigned a day name plate where the solid waste is collected and dumped with another layer of soil along with water for the decomposition process and ensuring proper aeration by regularly turning the mixture. After complete decomposition of this material as compost fertilizer is use in our garden. Ewaste management Keeping in mind the global hazards of electronic waste, we are sincerely trying and putting our best foot forward to deal with any electronic waste that will be generated in future. We have collaborated with a renowned foundation called "Swachh", for the proper disposal of ewaste. Students and staff are encouraged to deposit the ewaste generated at a specific location in every department, dedicated for collection of ewaste.

Tree Plantation Institute is enriched with a lush green campus of around 68 acres. The institute makes special efforts to engage in environmental awareness among the students via Tree Plantation Programmes. Institute firmly believes in "Green India, Clean India" which leads to environmental awareness and action. The institute has undergone a Green Audit towards survey of landscaping with trees and Plants. The institute has not given permission to install any electromagnetic towers in the premises in order to maintain the radiation less campus. To maintain an ecological balance by marching towards carbon neutrality, we promote use of public transport. Cycle stands are also installed for the students using Bicycles for commutation thereby contributing to carbonless campus. Solar Power plant Renewable Energy To make efficient use of solar renewable energy Anantrao Pawar College of Engineering and Research has installed a 10kW Solar power plant with 31 solar panels in association with Maharashtra State board of Electricity funded by SPPU. The power plant generates on an average 120150 units per day depending upon the weather condition. The generated power is net metered through MSEB meter which is connected to the grid. Since then there has been a reduction in MSEB bill amount with the usage of solar renewable energy.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best practice I Title : Community Service through quality testing of material used in Civil engineering structure and third Party Audits Objective The prime objective behind the practice is to engage in and be relevant to community by providing technical services. Besides education, we employ economically feasible, technically viable, advanced design and testing solutions in quick turnaround time which will be recognized by its quality. The Context To have an insight of the new and updated government policies a regular ground level exposure is required and the policies will have to be reviewed regularly to ensure that they are in line with current legislation and best practice. The Practice The college receives letter towards specific services from various agencies like Municipal councils, PWD, Irrigation Department, Forest Department

etc. Reports and testing charges bill is submitted to the respective agency for payment. Thereby proving all third party technical audits of Civil Engineering Services thereby gaining healthy Industry Institute Interaction. Evidence of Success The success of the practices can be observed by the regular incoming new service requests, payments and the work completion certificates received from the respective agencies. Problem Encountered and Resources Required. Tool and techniques like Total Station, UTM, Triaxial testing machine, Impact Testing machine, Core Cutter, NDT, Rebound hammer testing are incorporated. Along with the tools and Testing, the major resource required is the skilled labor and technicians which are very essential while carrying out the practice.

The agencies pay the consultancy charges very late to the institute. Best practice II Title : Technological Coupling via Innovation Club Objective

Encouraging students to move and think in the direction of upcoming technological trends and innovations thereby giving a variety scope for their projects development during their academic curriculum. The Context To harness the creative potential of budding engineers to form a team of students and faculty members along with a Innovation Club members. A vibrant knowledge network has to be created across various domains across technology. Primarily the club will pursue 3SI functions: [a] Search, [b] Spread, [c] Sense and [d] Implement The Practice The students seek help from innovation club members for a broader scope towards the project development with sponsorship from industries and research institutions to work on live as well as laboratory projects apart from the guide assigned. The faculties too seek help to prepare their research proposals and to get research funding. Evidence of Success The success can be measured by the successful completed projects by students and another measure to evaluate the success of the practice is the Grants received by faculty members from Savitribai Phule Pune University for the BCUD research proposals.

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

<http://www.abmspcoerpune.org/>

7.3 – Institutional Distinctiveness

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

The ABMSPs Anantrao Pawar College of Engineering and Research at Parvati, Pune distinguishes itself from peer institutions by offering an affordable, highly personalized, student centered quality education to diverse students. It was established in 2012 comprised of students, faculty, and staff who possess differing attributes based on race, ethnicity, gender, sexual orientation, disability status, age, religion, and other characteristics. Diversity grounds intellectual pursuits provides us with opportunities for discovery and ways to integrate all individuals and groups into the larger community, respecting and valuing their uniqueness while simultaneously advancing the Institutes historical tradition. Anantrao Pawar College of Engineering and Research was named after keeping in mind the research outcomes and the broader mission by its visionaries. The prime objective of the institute is to sow the seeds of research among the graduate and post graduate students along with faculty members to publish their work in reputed Conferences, Symposiums and International Journals. The students who undergo the syllabus of Engineering for four years have to come up with an innovative idea at the end of the curriculum which is expected out of research as their final year project. The post graduate students too have to go through the same process as well. The faculty members who are full time engaged in teaching also urge to come up with their findings, experiments and show their competencies and research potential to encouragement in research domains to other faculties and students as well.

The Undergraduate and PostGraduate Students are assigned a guide towards their project ideas and various domains. The students are asked to publish a survey paper after the completion of their literature survey. In the later section towards their experimentation/ analysis and Conclusion, they are expected to publish a Research Findings paper or Result paper in reputed International Journals. Every student has atleast one research paper on his/her name at the of the Course in reputed Journal. They have also been encouraged to file patents and as a result a number of patents are published by students. In accordance with students, every faculty member publishes their research findings in various Journals and Conferences throughout the Year. A National Conference on technical revolution is arranged every year to promote technological research. A number of IPR activities are executed by the faculty. Also a special issue of the faculty research papers is Published since 2016 under reputed journals. A number a research proposals by faculty members have got research grants from Savitribai Phule Pune University as well. Apart from research, institute has also marched in the direction of freelancing consultancy, where every department is trying to contribute with their technology expertise. Institute as an entity has been entitled a grant of Rs.10 Cr from Nidhi Prayas, Niti Ayog, GoI for the development of Atal Incubation Cetre in association with Science and Technology Park, SPPU. for the development of electrical mobility.

Provide the weblink of the institution

<http://www.abmspcoerpune.org/>

8.Future Plans of Actions for Next Academic Year

1. Anantrao Pawar College of Engineering and Research, Pune signed MoU with Science and Technology Park, Savitribai Phule Pune University, Government of India to establish Atal Incubation Centre at Institute Campus. The aim of Atal Incubation Center is promotion of research in the field of Electrical Mobility and to provide testing facilities for products designed and developed by industries and startups at large. 2. Institute has MoU with Indicus System Pvt. Ltd., Pune to establish IoT laboratory with the aim of developing IoT based projects under the guidance of Innovation Club members. 3. Institute is planning for IoT enabled Polyhouse to conduct research in agriculture field and to develop smart applications. 4. Research and Development cell of institute is motivating the faculty members to apply for research grants of various governmental, semigovernmental and nongovernment organizations. 5. Institute planned to get the accreditation of National Accreditation Board for Testing and Calibration Laboratories (NABL) for Civil Engineering Department to maintain eminence in consultancy services. 6. Institute has planned for consultancy services to the society in the field of web designing, development and maintenance through Department of Computer Engineering and Department of Information Technology.