



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	PADMASHRI DR VITHALRAO VIKHE PATIL COLLEGE OF ENGINEERING
Name of the head of the Institution	Dr Uday P Naik
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02412777296
Mobile no.	9822430934
Registered Email	principal@enggnagar.com
Alternate Email	shirkeaj@gmail.com
Address	P. O. MIDC, Vilad Ghat, Ahmednagar
City/Town	Ahmednagar
State/UT	Maharashtra
Pincode	414111

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Shirke Ankush Jagannath
Phone no/Alternate Phone no.	02412777296
Mobile no.	9822430934
Registered Email	shirkeaj@gmail.com
Alternate Email	shirkeaj_civil@enggnagar.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.enggnagar.com/AQAR
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	http://www.enggnagar.com/academic/academic-calendar

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.35	2016	29-Mar-2016	28-Mar-2021

6. Date of Establishment of IQAC	18-Aug-2015
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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
Regular meeting of Internal Quality	25-Mar-2019 01	13

Assurance Cell (IQAC)		
Regular meeting of Internal Quality Assurance Cell (IQAC)	03-Jan-2019 01	13
Regular meeting of Internal Quality Assurance Cell (IQAC)	25-Oct-2018 01	13
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr R R Navthar	Minor Research Project	BCUD, SPPU Pune	2016 2	170000
M.P.Wagh	Minor Research Project	Minor Research Project	2016 2	180000
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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 :	3
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)

? Organized Avishkar2018 Savitribai Phule Pune University, Pune One day District Level Project Competition for Ahmednagar District, dated 17/12/2018 ? Two Days National Level Seminar On " Environmental Challenges in 21st Century" dated 24th 25 Jan. 2019 ? Two Day Workshop onRapid Prototyping 2829/09/2018 ? One day seminar on Job opportunities in overseas for Mechanical Engg. 20/08/2018 ? Three days workshop on Embedded Systems and Arduino ,IOT 21st to 23rd Feb 2019 for ETC department. ? Two days workshop on IOT based on Arduino 29/08/201831/082018 ? Organized Avishkar2018 Savitribai Phule Pune University, Pune One day District Level Project Competition for Ahmednagar District, dated 17/12/2018 ? Two Days National Level Seminar On " Environmental Challenges in 21st Century" dated 24th

25 Jan. 2019 ? Two Day Workshop on Rapid Prototyping 28/09/2018 ? One day seminar on Job opportunities in overseas for Mechanical Engg. 20/08/2018 ? Three days workshop on Embedded Systems and Arduino , IOT 21st to 23rd Feb 2019 for ETC department. ? Two days workshop on IOT based on Arduino 29/08/2018-31/08/2018

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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
Submission of data to AISHE	Proposal submission date 06/02/2019
Avishkar-2018	IQAC conducted Avishkar-2018 A District Level Projects Competition for all college students of Ahmednagar District 17/12/2018 to Achieving excellence through quality Assurance system wherein 70 colleges and 170 participants were presented their projects and evaluated by experts and first three projects of each program selected for university level competition.
Evaluation of teachers by students	The Departments were asked to get teachers evaluation from students done by the end of first session and analyse the data at departmental level and take corrective actions
Feedback on curriculum from stakeholders	The feedback was gathered and the responses were analyzed and submitted to higher authority for action and approval.
Regarding First and Direct Second Year college admissions	Admission of Direct Second Year of the college increased.
To promote staff for higher education	More numbers of staffs registered for Ph.D. and Three staff members go for higher studies under QIP.
To create MoUs with other bodies.	Total no of MOUS with industries, corporate sectors was increased
Regarding development of extracurricular activities for students.	Participation in sports and cultural activities at University level was increased.
Regarding details library resource enrichment.	Identify and purchased rare books, manuscripts, special reports or any others knowledge resource for library enrichment.
Regarding students academic progression.	To increase the academic performance of students decided to prepare question papers set as par with university format for students. Academic performance of students was increased.

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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	18-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>Management Information System is partially operative in the college through 'Synchronik, SackInfo2.5 ERP Software'. It has separate modules for every parameter like teacher, student, Examination, Account and Finance and Library. The MIS collects, processes, stores and disseminates information during the admission and posts admission details to the respective departments. This MIS provides information to students and to college authorities for decision support and helping them to become more effective. This Software pervades the following areas of Activities: ? Student Admission and Support. ? Examination. ? Finance and Account. 1. Student Online Admission And Support: Entry Point in MIS is "Student Module" of which link is provided to college website http://www.enggnagar.com This module facilitates Admission Process and enrolling students in the college Database. Using this Software following reports are generated : ? Department wise student list. ? The information about exact students enrolled at the moment in each department. ? For Student support, It also issues Transfer certificate , Bonafide Certificate. 2. For Examination Section: MIS system is helpful to take following reports: ? Generate seat Numbers, Hall Tickets and F.Y. results.</p>

? Generate class wise roll call list, student fees records. ? Print the exam seat number wise List. ? Seating Arrangement for University Exams. 3. Finance and Accounts ? Consolidated Day Book. ? General Day Book. ? Daily/Date wise Collection Report. ? Daily Cash Collection Report.

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

Dr.Vithalrao Vikhe Patil College of Engineering, Ahmednagar is affiliated to Savitribai Phule Pune University and adheres to the curriculum designed and prescribed by the university. Towards framing of this curriculum many senior faculty members contribute as members of board of studies or as subject experts and input their suggestion. The alterations, modifications, deletions and omissions are incorporated before final framework of curriculum by the Board of Study members in University. Various aspects like recent development in the field, academic, industrial and Human values, Environment and sustainability, Professional ethics are taken into consideration while designing curriculum. Further, faculties also are invited as subject expert to different colleges and institutions to contribute to syllabus designing. College has an effective mechanism for better delivery of curriculum: ? At the session beginning each department conducts departmental meeting with workload, subject distribution and time table and as a goal sheet faculty members prepare teaching plan. ? Topics of subject and credits to be given are discussed as well and file submission is taken as a part of this initiation. Students are informed about syllabus and subject at the time of admission through prospectus, and orientation lectures held in department on first day. ? The academic calendar of the institute includes various curricular activities planned during respective academic year which is based on the University calendar. The college also provides college calendar as a part of academic session opening and closing. ? The vision and mission of institute is reflected in the academic programs of the institution through the implemented curriculum. ? The various courses in the curriculum and the relative distribution of theory and practical for educating students and achieving the desired goals. ? The institute has developed well defined plans for effective and efficient implementation of curriculum at undergraduate and post graduate programme. ? Before commencement of the semester, course plan is prepared month wise by respective staff members with lecture notes to run the academic smoothly. These are duly checked by respective head of the departments. ? Students learn in a healthy and scientific atmosphere at the hands of highly qualified teachers. ? Students actively involved in learning, various academic activity, and their performance is evaluated on the basis of regular class tests and sessional examination. ? For low performers , besides regular classes extra classes, remedial classes and tutorial classes are conducted regularly . ? Advanced learners are promoted for research activities, competitive exams and Special projects are assigned to them. ? Besides regular examination mentioned in course structure the institute also conducts additional preliminary examination same as of university question paper pattern which helps in overall improvement of academic excellence. ? Students are promoted for industrial training, seminars, workshop to improve the knowledge, competence and creativity. ? Students motivated and guided to

take part in various research activities . ? Seminars, conferences and workshops at state, national level are organized at the institute where students participate and learn event management. ? Systematic documentation is maintained to review the outcomes

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Soil Water testing Lab Assistant	PMKVY	27/07/2018	365	Agriculture	Soil Water testing
Network Engineer	PMKVY Diploma	27/07/2018	365	Telecom	Network IT
CNC Programmer	PMKVY Diploma	27/07/2018	365	CNC Programmer	Capital Goods Skill council
Junior Engineer Power Distribution	PMKVY Diploma	27/07/2018	365	Junior Engineer Power Distribution	Junior Engineer Power Distribution

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
ME	Structure	16/07/2018
ME	Design Engineering	16/07/2018
BE	All branches	16/07/2018

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

	Certificate	Diploma Course
Number of Students	100	4

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
Teacher's day celebration	05/09/2018	560
Engineers Day Celebration	15/09/2018	560
Guidance on carrier opportunities in Electronics Telecommunications	20/07/2018	120
Future Opportunities for	02/01/2019	120

Mechanical Engineering in Software field		
Guidelines for GATE exam in Mechanical Engineering	14/01/2019	120
National Youth Day Celebration	12/01/2019	340
Self Defense Mechanism	12/02/2019	200
Personality Development	14/01/2019	300
International Yoga Day	21/06/2019	300
IT Engineering Jobs and Interview Skills	19/09/2019	60
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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	12
BE	Civil	12
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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>Savitribai Phule Pune University is the final authority in syllabus framing. In improvement and up gradation of syllabus as per the need of time, University takes advice from Board of study members of various departments. Our senior faculties are the members of Board of Study and syllabus committee who are involved in syllabus designing. In this process feed backs from students with additional suggestions are taken and is conveyed to our Head of Department. Feedbacks are collected regularly from the stakeholders regarding curriculum, academic, teaching learning process, infrastructure facilities. The feedback forms are monitored by the academic monitoring committee shortfalls are communicated to the respective person orally, which helps in overall development of the institution. 1) Alumni : The feedback of alumni with respect to overall performance of the college which includes facilities provided, different activities and programme undertaken, training and placement, industrial visit etc. and they are analyzed, implemented and action taken accordingly. Alumni meet is arranged in college and feedback regarding programme of Alumni is collected from alumni. 2) Parents : Feedback received from all parents regarding activities and facilities in college with suggestions and it is taken into consideration for further improvement. 3) Students : Feedback of staff performance regarding academics is taken from all</p>

students. The suggestion received from students are analyzed by academic monitoring committee. The analysis of feedback is discussed with the staff in staff meeting and personally. If feels necessary then action taken accordingly. The college has mechanism to evaluate performance of teachers through feedback collected from students, parents and alumni. Process: Step 1: Hardcopy of feedback form is supplied to each student after every semester in class room. Step 2: Students fill up forms individually and confidentially within a specified time and submits to academic committee. Step 3: Academic committee confidentially scrutinizes the data obtained. Step 4: Academic coordinator orally instructs the faculty regarding feedback and give necessary directions for the quality enhancement and improvement in subsequent years. Step 5: Feedback received from parents and alumnis are utilized for improvement in various aspects like infrastructure facilities, curriculum and suggestions from them are taken into consideration for improvement in quality of teaching - learning process.

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	Information Technology	60	60	60
BE	E&TC	60	60	30
BE	Electrical Engineering	60	60	53
BE	Mechanical	120	120	97
BE	Civil	60	60	60
ME	Design Engineering	24	24	9
ME	Structure	24	24	18

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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	1759	55	118	6	122

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	Numberof smart classrooms	E-resources and techniques used
122	122	7	6	6	5

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

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

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

The students are assigned under the faculties for personal counseling and monitoring. Three mentors are allotted to each class with approximately 20 students per mentor for UG programme. Similarly for first year PG students each specialization is assigned with one mentor (class teacher) and for second year PG students research project guide allotted to them acts as mentor. Mentor counsels the students regarding their academic performance, attendance, examination, hostel and any other problems. Students are also counselled for academic, personal and psychosocial guidance. Mentor helps the mentees to solve the specific issue, coaches him on a particular skill, facilitates his growth by sharing resources and networks, creates a safe learning environment, thus focuses on the mentee's total development. Thus mentor shares his knowledge, skills and experience to mentee to progress their lives and careers. Also mentor is motivating and empowering the mentee, identify their issues and goals, and helping them to find ways of resolving the issues and reaching goals. Mentor contributes his viewpoints, advice, provides information from their own knowledge, experience and expertise, thus assist mentee to enhance his professional and personal life. Thus it helps to fill the gaps, reduce anxieties, encourage the mentee to tackle problems and give friendly guidance. Thus mentor has a friendly ear to share frustrations as well as successes of mentee. Process of mentoring: a. Faculty conducts meetings frequently with students in order to discuss their lagging issues, academic, professional, personal issues, and psychosocial guidance. b. Following details of students are maintained by the mentor ? Personal information. ? Parents and guardians information. ? Academic performance. ? Regular attendance. ? Information of category and scholarship. ? Curricular activities. c. Students weak in academics needs help when following behind .so mentoring for students on following areas is done to help them to become professional scholar . ? Language Issues. ? Time managements. ? Job employment. ? To build leadership, ? To improve course work performance. ? To improve learning style. ? To support for dealing with stressful period. d. Motivated and guided for: ? Competitive exam MPSC, UPSC, Central railway recruitment CSIR etc. ? Entrance exam like GET. ? Books and journals to be referred. ? Motivation and guidance for paper publications in journals, innovative research projects, poster presentation, conferences and workshops. ? Co curricular and extracurricular activities e. College puts efforts for counseling, provides psycho social guidance, and resolves academic and personal problems. Thus students are benefited through mentoring concept. Counseling is done for overall development of the students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1814	122	1 : 20

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
1	1	0	1	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
2019	Dr Ravindra R Navthar	Dean	Engineering Achievement Award-2019

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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
ME	516121210	IV	23/04/2019	13/08/2019
BE	516124610	VIII	13/04/2019	10/08/2019
BE	516137210	VIII	13/04/2019	10/08/2019
BE	516161310	VIII	13/04/2019	10/08/2019
BE	516161210	VIII	13/04/2019	10/08/2019
BE	516119110	VIII	13/04/2019	10/08/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

? The separate College Examination Officer (CEO) is appointed by college as per rule of SPPU, Pune. ? The theory / practical examinations are conducted at the end of every semester according to the guidelines of the SPPU, Pune. ? The Online Phase-I Phase-II are conducted by institute as per guidelines of SPPU, Pune. ? The date session, the number of students is fixed by the Controller of Examination. ? The University appoints an external examiner from other institution / University to conduct practical examinations. ? Paper assessment of all theory examination is done at various CAP center of university. ? For internal (practical) term work marks the students take two tests, lab seminars and viva during the practical classes in order to ensure continuous assessment. Record notebooks are evaluated and marks included for internals. ? At institutional level teachers provides question bank, remedial test are conducted. Institute conducts preliminary examination having same pattern of question paper, marking system and evaluation. Evaluation Reforms initiated by the institution: In examination and evaluation reforms bar coding system, evaluation and moderation, photocopy, rechecking, revaluation of university answer papers are followed as per university norms. The details regarding of examination pattern , evaluation process are communicated to the students and their parents at the time of induction programme, in which information about university and internal examination pattern, evaluation methods, scheme of marking and eligibility conditions regarding improvement and preliminary examination required for appearing the final examination. Dates of university and college examinations are displayed on the notice board. Examination in charge prepares the sessional notices ,time table, supervision schedule and seating arrangements for the students. Mother register is filled from the respective subject teachers with their signature and maintained by examination department students signatures are taken before communicating marks to university. The university examination timetable is communicated to all the staff and students via circulars and display on the notice boards. The final results are declared by university on their website. Students can view their results on university website, finally university examination report cards of the students are issued from university and distributed to the students from student section.

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

Savitribai Phule Pune University plans academic calendar of the university for commencement of academic classes and its conclusion. Also university provides tentative dates of examination. Thus taking into consideration of University calendar the institute frames and design the academic calendar. The academic monitoring committee of the institute in consultation with all head of

departments prepares the academic calendar. Academic calendar comprise/consist of total number of working days, holidays, academic commencement dates, exam schedule, tentative schedule of co curricular, extracurricular and other social events. Detail academic calendar is planned and prepared consisting of examination dates and displayed on notice board to enhance student`s planning for their studies. The institute follows well framed academic calendar and is always able to complete the curriculum in the stipulated time. The care is taken to complete the syllabus within stipulated time frame and calendar.

Institute arranges invites experts from different fields like academics, industry, allied fields, and subject experts to augment teaching - learning activities and the schedule of the same is tentatively planned and mentioned in the academic calendar. The students are made aware of probable commencement dates of university and internal examination. Also the schedule for applying and filling university examination forms are mentioned in academic calendar as per the university circulars. The academic monitoring committee contributes to improve the teaching learning process by actively participating in preparation and execution of the academic calendar. All the teaching staff prepares their course file and teaching plan in accordance with the academic calendar. In the academic calendar all administrative activities of the institute like various meetings, social activities, professional activities , NSS activities for promoting students and staff social awareness, vacation schedule is planned and it functions accordingly.

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://enggnagar.com/departments/civil-engineering/civilvision-mission/>

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
516124610	BE	IT	42	40	95
516137210	BE	E&TC	74	60	81
516129310	BE	ELECTRICAL	66	51	77
516161210	BE	MECHANICAL	211	169	80
516119110	BE	CIVIL	135	108	78

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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://enggnagar.com/departments/civil-engineering/civilvision-mission/>

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
Minor Projects	730	BCUD, SPPU,	3.9	2

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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
Three days workshop on Embedded Systems and Arduino ,IOT	ETC	21/02/2019
Four days State Level Workshop on Internet of Things (IoT) was organized in association with The Institution of Engineers (India)I	IT	06/02/2019
Two Day Workshop on-Rapid Prototyping	Mechanical	28/02/2019
Future Opportunities for Mechanical Engineering in Software field	Mechanical	02/01/2019
Two days workshop on Hybrid Electrical Vehicle opportunities and challenges in India	Electrical	22/01/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
51st Engineers Day Award	Dr M.P Wagh	The Institution of Engineers (India)	05/09/2019	Research

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

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

Name of the Department	Number of PhD's Awarded
00	0

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

Type	Department	Number of Publication	Average Impact Factor (if
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			any)
International	Civil	51	0.89
National	Civil	13	1.02
International	Mechanical	48	1.30
National	Mechanical	3	0.89
International	ETC	28	0.9
International	IT	25	1.22
National	IT	5	0.88
International	ELECTRICAL	10	1.04
International	ENGINEERING SCIENCES	4	1
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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	1
Mechanical Engineering	1
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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
DESIGN AND OPTIMIZATION OF FRONT AXLE OF HEAVY TRUCK	R.R.Navthar	International Journal of Engineering Applied Sciences and Technology	2019	0	Dr Vithalrao Vikhe Patil College of Engineering, Ahmednagar	0
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Wear Particle Analysis Using Ferrography	Dr R.R.Navthar	International Engineering Research Journal (IERJ), Volume 3 Issue 3 Page 5318-5321,	2019	0	0	Dr Vithalrao Vikhe Patil College of Engineering, Ahmednagar

2019 ISSN
2395-1621

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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	0	35	12	0
Presented papers	31	59	0	0
Resource persons	4	11	8	18

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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
Tree Plantation and Open Land Mapping	NSS Unit	16	50
Swachhata Hi Seva2018	NSS Unit	2	75
Cleaning at Adopted Village Dogargaon	NSS Unit	10	70
Vittiya Saksharta Abhiyan	NSS Unit	2	70

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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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
NSS Unit	SPPU, Pune	Blood Donation Camp	2	78
NSS Unit	SPPU, Pune	Swachhta	12	150
NSS Unit	SPPU, Pune	Voter Awareness Program	2	120
NSS Unit	SPPU, Pune	Road Safety Campaign	20	120

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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
Internet of Things (IoT) organised by IT department in association with The Institution of Engineers (India)	69	Self and IE	04

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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
No Data Entered/Not Applicable !!!					

No file uploaded.

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
Panacea Elevators and Electrical Contractors Ahmednagar	23/09/2018	Internship Program	60
Synapse Systems, Pune	18/08/2018	Internship Program	60
Ahmednagar Auto Engg. Association	09/07/2018	Internship Program	72
Matrix Structures Ahmednagar	22/07/2018	Training Program	55

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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
218.48	217.46

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with LCD facilities	Existing

Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SoftLib	Fully	Basic	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	36298	9172650	5	3071	36303	9175721
Reference Books	6340	5779832	5	17831	6345	5797663
e-Books	6209	0	0	0	6209	0
Journals	0	0	56	182840	56	182840
e-Journals	0	0	639	803417	639	803417
Digital Database	1	6000	0	0	1	6000
CD & Video	1326	0	0	0	1326	0
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

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

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwidth (MBPS/ GBPS)	Others
Existin g	608	22	2	2	1	1	5	50	3

Added	0	0	0	0	0	0	0	0	0
Total	608	22	2	2	1	1	5	50	3

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

50 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
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
210	156.86	57.57	37.5

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)

College has well established systems and procedures for maintaining and utilizing physical, academic and support facilities. The established systems of maintenance ensure enrichment of physical and academic support facilities which is essential in creating an ambient and motivating environment for the teaching learning process. The recommendations and suggestions received helps the College in identifying the areas of physical and academic support facilities to be enriched subsequently. The maintenance aspects are governed at campus level and at College level. The Physical maintenance under observation civil Engineer and Civil Supervisor, who coordinates and monitors all civil works, parking area, water supply, sports and gymnasium. Upon receipt of complaint from College, the Civil Supervisor addresses the issue and resolves the complaint. College has appointed chief electrician who supervises all the maintenance aspects of electricity, generator backup and issues related to telecom facilities. He is supported by a team of electrician and maintenance staff. A Cleaning Supervisor is appointed on campus to look into cleaning aspects at both campus and College level. He hires the labours on contract basis for cleaning of toilets, cleaning of internal roads, maintenance of garden, waste disposal and sewage disposal. A full time Rector has been appointed for maintenance of hostel facilities. The campus is under continuous surveillance through security personnel's deputed at various locations in the campus. The security personnel monitor and control the entry of individuals to the campus. They further provide security at various events organized at campus level. At College level one committee have been constituted viz. repair maintenance committee. These committee work with various College level committees viz., internal complaint committee, laboratory in charge etc. The coordinators of these committees take appropriate measures for maintenance of various academic and support facilities laboratory, library, sports complex, computers, classrooms etc. The campus level staff viz. civil supervisor, electric supervisor, provide support to the College as and when required. The maintenance works such as renovation, painting of building, regular cleaning of floors and polishing whenever necessary, renovation of seminar hall, renovation of boys and girls common rooms are carried out in a scheduled manner. The maintenance of laboratory equipment is executed through laboratory assistants,

lab. In charge and suppliers of the equipment. The lab assistants required note maintenance of equipment / electric / water supply / LPG gas piping's etc. and intimate the same to respective laboratory through lab incharge. The required maintenance note is approved by Principal or Chairman of repair and maintenance committee. If the maintenance requires purchase of spares of equipment the Purchase department raises the purchase order of spares by inviting quotations from various suppliers. The IT facility is maintained by a team of dedicated staff who looks after the maintenance of desktops, software, hardware, LAN, LCD, printers etc. The College has a well maintained herbal garden, rich in various medicinal plants is maintained by a gardener. The maintenance and utilization aspects are documented through utilization log books, maintenance registers etc.

<http://enggnagar.com/facilities/gymkhana/>

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	Fee Concession	49	1109186
Financial Support from Other Sources			
a) National	Government Scholarship	580	33914747
b) International	000	0	0

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft skill Development IT Engineering Jobs and Interview Skills	29/09/2018	125	Senior Software Developer, TSYS Merchant Pune
Soft skill Development Employability Test Preparation	26/09/2018	100	Sr. Manager, AMCAT Employability Assessment, Pune
Personal Counselling and Mentoring, Students services and responsibilities	07/09/2018	105	Mr. Sunil Kalhapure, Hon'ble Deputy Director and Dr. U.P. Naik, Principal
Yoga and Meditation	21/06/2018	125	Mr. Rajan Kumar Social worker Yoga Teacher, YogVidhyaDham, Ahmednagar.

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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
2018	Guidance on GATE Examination	200	200	24	52

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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
2	2	15

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
Sanjay Technoplast	245	78	Mulik Developers 2. Abhay Khandeshi Structrural Consultant, Ahmednagar	154	37

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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
2019	7	Dr. V.V.P.COE, Vilad Ghat, Ahmednagar	Civil Engg.	Dr.VVP COE, Ahmednagar., PREC, Loni, AISSM COE, Pune.	ME Structure-06 MBA-01
2019	13	Dr. V.V.P.COE, Vilad Ghat, Ahmednagar	Mech. Engg.	Dr.VVP COE, Ahmednagar., PREC, Loni, AISSM COE, Pune.	ME Design-10 MBA-03

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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
Any Other	13
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Ganesh Festival Sports 1)Cricket 2) Kabbadi 3)Volley Ball 4) Chess 5)Carrom 6) Badminton	Institution Level	230
Foundation Trophy Sports 1) Table Tennis 2)Swimming 3) Badminton 4)Chess 5) Kabbadi 6)Volley Ball 7) Shot Put8) Discus Throw 9) Running 10) Relay 11)Cricket	Intra Collegiate Competition Organised at the Institution Level	60
Annual Cultural Events 1)Mis Match Day 2) Twins Day 3) Group Day 4) Saree And Tie Day 5)Traditional Day 6) Retro Bollywood Day 7) Quiz Competition 8) Antakshari Art Gallery 1) Rangoli 2)Mehandi 3) Drawing 4) Sketch 5) Treasure Hunt	Institution Level	450
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institute encourages and recognizes student participation in all aspects of academic and cocurricular activities. For this purpose institute endorses student council. Every year, college endorses new student council as per the guidelines given by Savitribai Phule Pune University. The council consist of 09 representatives, which includes Chairman, Coordinator of students council, N.S.S officer, Class representative, Senior teacher as Coordinator of students council, Director, sports and physical education, Cultural Coordinator, Three male students(Sports, NSS and Cultural activities) and two female students(caste representative). The student council is framed on merit basis. The role of student council is to represent all the students in the institute and put forth the problems of other students in the institute and bring it to the notice of chairman and offer a remedy to the problem. The student council

serves as a means of communication between the students and institute, parents and institute and also encourages the students in initiating their ideas in organizing and planning institute activities. Also, the student council under the guidance of chairman has constituted subcommittees like Antiragging, Alumni, Cultural, Sports, Sexual harassment control committee, Organizing committee for seminars and conferences. Student council representatives bring ideas, requests, and feedback to the meetings and the chairman along with student suggestions make decisions in executing planned activities. The council also provides special guidance to students to overcome the problems like social aspects related to society, economic problem, depression, home sickness etc. through discussion with mentor and teacher counsel the students with above related problems. Students who participate in student councils, under the supervision of a teacher or coordinator, learn and develop multidisciplinary approach like responsibility, ethical attitude, effective communication, critical thinking, leadership, problem solving, and teamwork. Through the student council, other students are encouraged to participate in conferences conducted at other colleges and are also involved in the innovative research project competitions like Avishkar and oral presentations and group discussions at various conferences to motivate and boost their talent. Students are also inspired to participate for poster presentation/oral presentation competitions held at national level conferences. Seminars and conferences are organized yearly in college for which committees are constituted like welcome, registration, transport, stage decoration, food, discipline etc. Students, student council representatives along with staff members are the members included in these committees. Students participate in various committees and regulate smooth functioning of college for excellence. Student council is actively involved in arranging college activities like Ganapati festival, which is of 10 days duration where students planned day today activity and execute the festival in proper way. Students get involved in the arranging sports week along with sports Incharge. They also assist in organizing and developing sports and cultural activities and annual gathering during the academic year. The student council along with the NSS officer plan activities like plantation, computer literacy, AIDS awareness, swatch bhara abhiyan, shramdan, save girl child abhiyan, BetiBachao, BetiPadhao Abhiyan etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, our college has a registered Alumni Association. The registration number is MAH/727/2009 has been registered under the Societies Registration Act, 1860 (Rule 21, 1860) and registered under the Mumbai Public Trusts Act 1950, (Mumbai rule no 29 of 1950). The alumni association consists of Executive committee which comprises of total seven members President, Vice-President, Secretary and four members. Meetings of alumni association are held twice in a year and discussions on various concerns are held. Till date 33 batches have passed out from the institute i.e. around 3500 alumni belongs to this institute. After a student completes a course he/she gets registered with the alumni association as ordinary member by paying a membership fee of Rs 250/ and as Life time member by paying membership fee of Rs 1000/. As alumni are an integral part of our college, we provide and take suggestions from our alumni as and when required. Our alumni are employed in India and abroad and we are in contact with the alumni through the social sites like emails, Whatsapp, face book, and also telephonically. We have also, maintained a database of our alumni till date and the data is updated regularly. Our alumni are employed in different sectors of pharmaceutical industry and academics share their knowledge with student and faculty, as they are the best persons working in diverse fields, who can give proper feedback and contribute in the updating of the curriculum

as per the market needs. The objectives of the alumni associations includes, • To organize alumni meet regularly and provide technical guidance to students for knowledge and career development and promote entrepreneurship and develop innovative skills. • Maintaining a detail data record of the alumnus and to strengthen the bonds between the alumni with the students and parent institution, connecting alumni with alumni. • To inspire alumni to take an active interest in various activities of institute and exchange of ideas on academic, cultural and social issues. • To familiarize the alumnus with the developments at the institute level. • To create a platform for Training Placement of the students and provide insight on current corporate demands/opportunities available for the students by sharing their experiences and contribute to the general development of the institute. • To invite alumni as chairpersons, resource person, and paper presenters in the national conferences, seminars, and workshops conducted by the institute. • To identify and acknowledge the distinguished services and achievements of the alumni and also to recognize outstanding social and community service by the Alumni and the students. • To receive donations, so as to become a strong financial association leading to its growth and also to maintain the expenditure of alumni association for carrying out various activities and promote the welfare of alumni and their family and to help alumni in "hour of need". • To provide financial support to needy and deserving candidates of institute and give scholarships to meritorious students.

5.4.2 – No. of enrolled Alumni:

3500

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

12500

5.4.4 – Meetings/activities organized by Alumni Association :

02

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)

1) Alumni Interaction: To bridge the gap between institute and alumni, management in coordination with institute and alumni committee decided to increase the data base along with organization of different activities with cooperation of renowned alumni working in different areas like Research and Development, Formulation and Development, Quality Assurance etc by conducting workshops, seminars and Video conferencing lectures. According to this decision alumni coordinator was appointed also with reference to this individual batch coordinators were appointed and allotted specific batches for alumni database collection and updating. With reference to this initiative, the institute has generated the alumni database of almost 580 alumni and is constantly updated.

2) Inter Collegiate Competition: To increase the competitive aptitude amongst the students management in coordination with institute decided to conduct an event "Inter Collegiate Competition Fest" were the staff, students, alumni and management are involved and students from different colleges participated in the event. With reference to this initiative, the institute had conducted "Inter Collegiate Competition Fest" 8th to 10th Oct. 2018 were almost 260 students from different Colleges participated.

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

Partial

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
Curriculum Development	<p>The design and development of the curriculum is done by SPPU, Pune and it is adopted by the institution for each disciplines. The Choice Based Credit System (CBCS) facilitates to introduce innovative and revise the syllabus in tune with changing demands of the industry and society by SPPU, Pune Subjects beyond the syllabus are framed by each department by taking feedbacks from Industry, Alumni, etc</p>
Teaching and Learning	<p>The Institute ensures effectiveness of the teaching-learning process by: Implementation of effective timetable considering University curriculum and giving wieghtage to some subjects by allocating extra hours of teaching. Proper conduction of theory and practical session and reviewed by academic committee Subject teacher prepares detail teaching plan that is strictly followed. Use of teaching aids like OHP, PPT, Audio Video Lectures etc. During practical session, care is taken such that every student gets chance to perform the practical and assessment is done continuously. During continuous assessment wieghtage is given to attendance, test performance, viva etc. A 20 student's batch - tutor/mentor system is implemented for development of repo between student and faculty. This leads to an environment where question answer session, interaction, development of personality is very much effective. Demo practical/oral sessions are arranged to get expertise in their areas. Institute promotes students for technical visits/seminars/workshops/paper resentation/participation in competitions by providing financial support. Recruitment of well qualified and experienced faculty as per AICTE norms. Subject allocation to the faculty before the commencement of the semester to help them prepare teaching plan and lesson notes. Review of the academic results of the previous year result analysis is prepared. To bridge the curricular gap contents beyond the syllabus are taught by subject experts. Feedbacks are taken from students to</p>

	<p>assess the teaching skills of the faculty.</p>
<p>Examination and Evaluation</p>	<p>? The separate College Examination Officer (CEO) is appointed by college as per rule of SPPU, Pune. ? The theory / practical examinations are conducted at the end of every semester according to the guidelines of the SPPU, Pune. ? The Online Phase-I Phase-II are conducted by institute as per guidelines of SPPU, Pune. ? The date session, the number of students is fixed by the Controller of Examination. ? The University appoints an external examiner from other institution / University to conduct practical examinations. ? Paper assessment of all theory examination is done at various CAP center of university. ? For internal (practical) term work marks the students take two tests, lab seminars and viva during the practical classes in order to ensure continuous assessment. Record notebooks are evaluated and marks included for internals. ? Counseling students by monitoring their regularity, punctuality, towards work, professionalism, commitment to work etc.</p>
<p>Research and Development</p>	<p>a) Research and development cell is one of the wings of the Institute which facilitates, channelizes, records, and regulates all the academic, sponsored, collaborative research projects and consultancy works in the Institute. b) The goal of the Institute is to provide a creative atmosphere in which higher studies and research thrive amongst the faculty and students. It also promotes and manages Institute-Industry interaction. c) Academic research committee involves in administrating research projects sponsored by various Government and non-Government, research funding agencies such as AICTE, SPPU (BCUD) etc, and promotion of collaborative research partnerships for undertaking creative and advanced research, guidance to PG students and faculty pursuing their PhD's.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>(a) 24x7 Wi-Fi facility is provided for the students to use their laptops in the college premises. (b) The working hours of the Library is extended till 9.30 p.m. for the benefits of the students. Hostel inmates are permitted</p>

to use the library as the study-hall and can carry their personal notes / books during these hours. (c) The college campus has been monitored with CCTV facility for vigilance. (d) ICT enabled class rooms

Human Resource Management

(a) Special training programmes like Spoken English, Imparting and enhancing employability skills were carried out for young faculty and non-teaching staff to enhance work efficiency. (b) Motivating the faculty members to write research proposals for grants and to present papers in seminars and conferences (c) Encouraging the faculty members to enroll for Ph.D. programs (d) Encouraging the teaching and non - teaching staff to pursue their further education (e) Encouraging self-appraisal and providing constructive feedback

Industry Interaction / Collaboration

The institution has developed good relations and networks with various local industries, State Electricity board Engineers, PWD engineers, BSNL experts for effective implementation of the curriculum in terms of Memorandum of Understanding (MoU), Industry sponsored projects, industrial visits etc. Maximum final year students undergoes Industry Sponsored projects and In plant training during their curriculum.

Admission of Students

? Admission procedure is adopted as per rules and regulations laid down by Directorate of Technical Education (DTE), Government of Maharashtra State. DTE published admission notification time to time in all well known national and regional daily newspapers. ? The advertisements for admission to different courses are published by Institute in all well known newspapers from time to time. The advertisement contains detailed information about different courses, eligibility norms, process of admission, academics as well as facilities provided by institute. ? The advertisements for admission are broadcasted by Institute on radio stations, Ahmednagar cable TV networks and Institute website: <http://www.enggnagar.com>. ? Institute organizes awareness / counseling workshops for admission process to 12th appearing students and their parents, faculties and stakeholders.

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

E-governance area	Details
Planning and Development	Nil
Administration	Staff attendance, Book accession from library software is in existence
Finance and Accounts	Tally ERP 9 software, TDS Pro software is in existence
Student Admission and Support	Nil
Examination	Nil

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
2018	Dr. Shirke A.J.	Meeting regarding planning for differently abled, SPPU, Pune	Nil	1100
2019	Dr. Shirke A.J.	Meeting regarding planning for differently abled, SPPU, Pune	Nil	1500
2018	Dr R R Navthar	Two days national level Conference	Nil	2000
2018	Dr. S.L.Hake	Two day workshop on Structural Audit	Nil	1050
2018	Dr.A.K.Patil	Two workshop on PLC SCADA Application	NIL	850
2019	Prof. N.M.Deshphande	National workshop on IOT Transformation Engg. Education for digital India	Nil	1600
2018	Dr.D.A.Vidhate	Two National Symposium on Cyber Security	Nil	2050
2019	Prof. G.B.Murade	Two days National workshop on	Nil	2300

		Robotics IOT		
2019	Dr. K.B.Kale	One Week national level Faculty Development Programme	Nil	2050
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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 teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Four days State Level Workshop on Internet of Things (IoT) was organized by the department in association with The Institution of Engineers (India)	Nil	06/02/2019	09/02/2019	34	0
2019	Three days workshop on Embedded Systems and Arduino ,IOT	Nil	21/02/2019	23/02/2019	18	0
2018	Two Day Workshop on-Rapid Prototyping	Nil	28/09/2018	29/09/2018	35	0
2019	Two Days National Level Seminar On " Environmental Challenges in 21st Century" Planning	Nil	24/01/2019	25/01/2019	52	0

	and Development Division, SPPU, Pune.					
2018	One day Workshop on Basics of solar and Hands on Training of Solar	Nil	26/09/2018	26/09/2018	45	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
National level STTP On Basic of tribology and its Industrial Engineering Applications	1	22/10/2018	26/10/2018	05
DME Syllabus orientation	2	04/01/2019	04/01/2019	01
FDP On DAD RPT and 3D Printing	2	14/06/2018	16/06/2018	03
Two days state level FDP on "Web Designing and Development" at G.H. Rasoni College of Engineering, Chas Ahmednagar	3	28/12/2018	29/12/2018	02
Two days state level FDP on "Internet of Things" at Sanjivani College of Engineering, Kopergaon	2	03/12/2018	04/12/2018	02
one day syllabus orientation workshop (BE-IT 2015 course) Semester -II	3	28/12/2018	29/12/2018	02

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
1	1	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident fund. Employee insurance scheme. Free/Subsidized Health Care. Maternity leave. All statutory and non statutory welfare schemes Residential facility within the campus. Transportation for outstation staff.	Provident fund. Employee insurance scheme. Free/Subsidized Health Care. Maternity leave. All statutory and non statutory welfare schemes Residential facility within the campus. Transportation for outstation staff.	Insurance scheme Medical Facility Earn and learn scheme

6.4 – Financial Management and Resource Mobilization

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

Internal Audit: Internal audit is conducted by KSS Co. Office address A101, Ingale Arcade, Sarjepura, Ahmednagar. During internal audit examining of records, reports, operating practices and documentation is done. In Internal audit checking student fees and reconciliation is done on regular basis. Check Banking Reconciliation Quarterly basis. Checking Exam, Cash book Cash verification, Creditors payment is also done. Internal audit helps to understand the exact financial situation to Foundation. **External Audit:** External audit conducted by Kadam Co. Office address :Vedant" 8/9, Viraj Estate Opp: Tarakpur Bus Stand, Ahmednagar Audit Institute at the end of every financial year. Checking of the Vouchers and transaction on tally simultaneously. The procedures selected depend on the auditors judgment who review the accounts of organizations to ensure the validity and legality of their financial records. Review of financial statements often provided by Institute accounting team along with reviewing the financial books for quality. Validate Banking Reconciliation every month at the end of financial year

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

No Data Entered/Not Applicable !!!

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	No		No	
Administrative	No		No	

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

Nil

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

Nil

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

<p>To increase the academic performance of student's aptitude test is conducted to identify advanced learners and slow learners. Such students are mentored accordingly and guided for concerned subjects by respective subject teacher. Staffs also prepares question papers at par with university format and such question papers get solved form students who have failed in respective papers in consultation with concerned subject teacher. Policy for Solid waste management, Liquid waste management, has been prepared. The policy has been implemented and the SOP's of the same were prepared. To encourage innovation and creativity in teaching methods the faculty make available their presentation to students before lecture delivery. Also staff should uses social media like slideshare, Youtube etc. to upload their study material so that it can be accessed by the students easily</p>

6.5.5 – Internal Quality Assurance System Details

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

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
2019	Two Days National Level Seminar On "Environmental Challenges in 21st Century" Planning and Development Division, SPPU, Pune.	24/01/2019	24/01/2019	25/01/2019	52
2018	Avishkar-2018 District Level Project Competition	17/12/2018	17/12/2018	17/12/2018	141

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Beti Bachav Beti Padhao Abhiyan	12/01/2019	12/01/2019	80	100

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

Percentage of power requirement of the college/institute met by the renewable energy sources Installing solar panel on the rooftops of the Administration building and old building of the college.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3
Ramp/Rails	Yes	3
Rest Rooms	Yes	3
Scribes for examination	Yes	1

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
2019	1	1	09/01/2019	1	Energy Audit	Energy Audit of Jakhangan villagers and Z.P. School students	75
2019	1	1	09/01/2019	1	Vittiy sa ksharata abhiyan	Vittiy sa ksharata abhiyan was intended to explain villagers regarding use of digital services made available	75

by govern
ment etc.

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

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Students	12/10/2019	Nil
Code of Conduct for Principal	12/10/2019	Nil
Code of Conduct for Teachers	12/10/2019	Nil
Code of Conduct for Nonteaching staff	12/10/2019	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Public awareness on the occasion of World Blood Donation Day	12/06/2018	12/06/2018	49
Blood donation camp	19/09/2018	19/09/2018	146
Swachhata abhiyaan	12/10/2018	12/10/2018	127
Voter awareness program	19/10/2018	19/10/2018	150

[View File](#)

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

? Efforts are made to make the campus clean and green through Student Development Centre and NSS Unit of the Institute. ? Environment Awareness campaign, Trees are planted in the campus every year ? Tobacco free campus, Awareness Slogans for avoidance of plastics ? Campus declared "No Smoking Zone" ? Campus declared "Plastic Free Zone" ? The ill-effects of use of tobacco have been conveyed to students by the class teachers and mentors. Students of our institution have been motivated to avoid the use of plastic and tobacco. ? Awareness is created amongst staff and students through rallies, posters and banners about the eco - friendly campus. ? Solar Street light in front of hostels had been installed. These initiatives have helped to reduce power consumption. ? Check dam construction is available at our institute ? Plastic bituminous waste road is constructed in college campus by final year Civil Engineering Students.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

A) Academic Monitoring System Goal : Improve the quality education with the help of regular, in time teaching and learning process in depth. The goal is achieved with the help of following parameters Teaching aids Individual attention for the students by the respective teachers Depth of teaching and understanding for the student with the help of technical discussion with the help of reference books and magazines related with syllabus framed by the university. Case studies for the technology, if possible continuous visits to industries and sites to open the subjects and creates the interest in the

subject as the students are weak in the academics and they cannot imagine theoretical concepts, presented the books by the respective author. The context: The problems of understanding and clarity in the subject were raised by the students. In this context, committee analyzed the problems of students because the faculty was quite senior and expert in the subject. In this situation, we advised the faculty members to open the subject with the models, kits, equipments and visualized the things form the real ground, in order to improve conceptual thinking of the students. The practices: 1. Surprise visit in the classes (theory and practical) 2. Conducting the meetings with students of all department and discussing their difficulties 3. For improvement and necessary action we are advising to head of the department and reporting to head of the institute for necessary action. 4. Conducting the meeting of all departments in order to motivate and realize the responsibilities of the teacher form the academic point of view. Evidence and Success: 1. Attendance of the subject is improved 2. Discipline is improved Problems Encountered: 1. We raised questions in the class in connection with understanding of subjects as well as methodology used in teaching, depth of technical knowledge and exercise in connection with University examinations but, however, students are not responded as per our expectations. 2. Though the attendance of student is improved but certainly it below the average level in all classes of all the departments. 3. Few faculties taught the subject in Marathi language. 4. Shortage of reference books. Resources Required: 1. Every class room must have overhead projectors and LCD projectors. 2. Teaching aids should be improved. 3. More emphasis should be on communication skill. 4. Summer school and winter school programs should be concentrated in our institute so that interaction between our faculties as well as other University faculties will be enhanced in order to improve technical and logical knowledge. Notes (Optional): The best practice emphasized a creation of a system/ mechanism for the improvement of quality education. This system did not have momentary response. For the same, faculties should be trained for improvement. B) Tutor-Ward System: Mentoring System Goal: To improve the students attendance and to improve academic performance. The context: To improve the conceptual thinking and basic fundamentals of the subject along with crystal clarity, this system has been adopted. It also aims to develop analytical minds related to engineering subjects of all departments. To achieve above goals, institute arranges the meetings with students frequently and solves personal as well as college level problems. The practices: 1. All mentors have maintained the file containing the detailed information as well as all records of concern student. Same record is communicated to parents timely. 2. In this regards, parents are also involved to know the progress of their wards. 3. We are giving justice to all the students through mentor system to improve their academics performances. Evidence and Success: 1. Attendance improvement. 2. Result improvement. Problems Encountered: 1. Initially, only 10-15 personal problems were shared by the students. 2. Initially, we have observed that many students have not given proper contact numbers of their parents. 3. Some of the parents have not responded properly and they have not supported to mentor system. Resources Required: Parents telephone number entered in the data base are inefficient Notes (Optional): The best practice emphasized a creation of a system/ mechanism for the mentoring system. This system did not have momentary response. For the same, need extra efforts for improvement.

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

http://enggnagar.com/wp-content/uploads/2020/11/Best_Practices.pdf

7.3 – Institutional Distinctiveness

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

Institutional Distinctiveness: Inclination towards Research Activities
Involvement of Engineering students in technical research is imperative for the future of technology. Several factors influence engineering student's inclination towards research: the college experience, exposure to research article reading and writing, and knowledge of research. This study follows up engineering students at time of graduation to explore changes in their inclination towards research and pursuing a research career compared to their inclination at time of entry into pharmacy school. Due to this reason we have decided to shape and incline our students approach towards research activity.

From academic year 2018-19 2019-20 we have planned "Inclination towards Research Activity" as our distinctiveness of our college. For academic year 2018-19 and 2019-20 each faculty member has been allotted with two group 6 students of BE. It was expected that the concern faculty member should actively encourage and guide the students for Research Work. Also in each academic year as mentioned above his students should at least publish one research article in UGC approved Journal and two presentations in workshops/conferences/seminars.

As result of this distinctiveness there was remarkable improvement in the research aptitude of our teachers and UG/PG students. Inclination towards research activities have been greatly benefiting the college. The staff members and students are working on the novel research projects and various innovative ideas. Institute has made available most of the required instruments to carryout various research projects. It has designed a well equipped sophisticated instrument laboratory, machine room with various instruments used for formulation and development.

Provide the weblink of the institution

http://enggnagar.com/wp-content/uploads/2020/11/Best_Practices.pdf

8.Future Plans of Actions for Next Academic Year

1.Applying for NBA Accreditation AICTE New Delhi 2. Introduce various certificate courses to improve technical skill of students. 3. Arrange life skill training to bring about a positive change in behavior and attitude of students. 4. Start with online feedback system. 5. Sought recognition as a research guide of all eligible faculties to strengthen research center. 6.Create Media center, Recording facility, Lecture Capturing System. 7. Start egovernance in areas of operation. 8. Arrange training programs for teaching and non teaching staff. 9. Green Audit of the campus. 10. Academic and Administrative audit.