



Yearly Status Report - 2019-2020

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.	8554990210
Registered Email	principal@enggnagar.com
Alternate Email	shirkeaj@gmail.com
Address	Vadgaon Gupta, P.O MIDC, Ahmednagar 414111
City/Town	Ahedmnagar
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 A.J.Shirke
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://enggnagar.com/wp-content/uploads/2020/11/NAAC_AOAR_2018-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://enggnagar.com/wp-content/uploads/2021/02/ACADEMIC_CALENDAR_2019-20.pdf

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	29-Feb-2020	13

Internal Quality Assurance Cell (IQAC)	01	
Regular meeting of Internal Quality Assurance Cell (IQAC)	09-Nov-2019 01	13
Regular meeting of Internal Quality Assurance Cell (IQAC)	13-Jul-2019 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
NIL	NIL	NIL	2020 00	0
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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 Avishkar2019 Savitribai Phule Pune University, Pune One day District Level Project Competition for Ahmednagar District, dated 03/01/2020 One Week Faculty Development Program on "Data Science and Machine Learning" under PMMMNMTT (Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching), Ministry of HRD, Govt. of India is organized for faculty and staffs from 10th Oct to 15th Oct 2019 Two Day National Workshop on Rapid Prototyping 09-10 Feb 2019 Two Week Software Training AutoCAD for BE Civil Engg. students from 26th Sep. to 10th Oct. 2019 Five Days workshop on "Python Programming for First Year" by Mrs. Prachi Pawar, Mrs. Renuka Devray, SEED Infotech, Ahmednagar for all First Year Engineering students on 11th - 15th March 2020

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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	Achivements/Outcomes
Submission of data to AISHE	Proposal submission date 22/01/2020
Avishkar-2019	IQAC conducted Avishkar-2019 A District Level Projects Competition for all college students of Ahmednagar District 03/01/2020 to Achieving excellence through quality Assurance system wherein 71 colleges and 181 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 ?

Yes

Name of Statutory Body	Meeting Date
College Development Committee	20-Feb-2020
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	2020
Date of Submission	22-Jan-2020
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. Generate class wise roll call list, student fees records. Print</p>

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 of

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
NIL	NIL	Nil	00	NIL	NIL

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil
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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
Nil	NIL	Nil

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

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	05/09/2019	356
Engineers Day Celebration	15/09/2019	356
PLC Training Workshop Electronics Telecommunications	13/09/2019	60
Career guidance for IT	18/09/2019	75
Seminar on - Motivational speech for success in life.	27/09/2019	110
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1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	15
BE	Civil Engineering	15
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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)

<p>Feedback Obtained</p> <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 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.</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
ME	Civil-Structure	24	23	23
ME	Mechanical-	24	4	4

	Design			
BE	Civil Engineering	60	53	53
BE	Mechanical	120	58	58
BE	Electrical	60	31	31
BE	E&TC	60	27	27
BE	Information Technology	60	62	62
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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
2019	1714	50	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	Number of 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
1464	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
Nil	Nil	Nil	Nil	Nil

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
Nil	NIL	Nil	NIL
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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	516119110	EVEN	13/04/2020	10/08/2020
BE	516161210	EVEN	13/04/2020	10/08/2020
BE	516129310	EVEN	13/04/2020	10/08/2020
BE	516137210	EVEN	13/04/2020	10/08/2020
BE	516124610	EVEN	13/04/2020	10/08/2020
ME	516121210	EVEN	23/04/2020	13/08/2020
ME	516160110	EVEN	23/04/2020	13/08/2020
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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)

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	Information Technology	42	40	95.23
516137210	BE	E&TC	74	60	81.08
516129310	BE	Electrical Engineering	66	51	77.27
516161210	BE	Mechanical Engg.	211	169	80.09
516119110	BE	Civil Engineering	135	108	78.51

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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/wp-content/uploads/2021/02/Student-Satisfaction-Survey-2019-20.pdf>

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
Nil	00	NIL	0	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
A workshop on "Python Programming every Friday Saturday" by Mrs. Prachi Pawar, Mrs. Renuka Devray, SEED Infotech, Ahmednagar	Information Technology	20/09/2019
One Week Faculty Development Program on "Data Science and Machine Learning" under PMMNMTT (Pandit Madan Mohan Malaviya National Mission	Information Technology	10/10/2019

on Teachers and Teaching), Ministry of HRD, Govt. of India		
Five Days workshop on "Python Programming for First Year" by Mrs. Prachi Pawar, Mrs. Renuka Devray, SEED Infotech, Ahmednagar	Information Technology	11/03/2020
Seminar on - Motivational speech for success in life.	ETC	27/09/2019
One Day Workshop on-Rapid Prototyping	ETC	01/10/2019
Three Days Hands on training on "Civil Engg. Estimation, Costing and Bid Preparation using Easy Bids and Easy Roads software"	Civil Engineering	11/02/2020
Software Training- Rivet Architecture, Lumion	Civil Engineering	07/01/2020
Three days workshop on Basic of Solar and hand on training of OFF grid solar software, installation and testing.	Electrical Engineering	17/09/2019
Two Day National Workshop on-Rapid Prototyping	Mechanical Engineering	21/02/2020

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
Swayam Siddha	Prof. Ms. S.S. Pophale	Kalikadevi Sanstan Pune	07/10/2019	STATE
Lady Engineer	Prof. Ms. S.S. Pophale	The Institution of Engineers (India) Ahmednagar Local Centre	15/09/2019	LOCAL
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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
NIL	NIL	NIL	NIL	NIL	Nil
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International

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

Name of the Department	Number of PhD's Awarded
Electrical Engineering	1

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 Engg	23	0.89
National	Civil Engg	21	1.02
International	Mechanical Engg.	32	1.3
National	Mechanical Engg.	10	0.89
International	ETC	16	0.9
International	IT	10	1.22
National	IT	4	0.88
International	Electrical Engg.	3	1.04
International	Engg. Sciences	1	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
Mechanical Engineering	1
Civil Engineering	1

[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
NIL	NIL	NIL	Nill	0	NIL	Nill

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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
Nil	nil	nil	Nill	Nill	Nill	nil

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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	2	8	33	10

Presented papers	12	15	Nil	Nil
Resource persons	Nil	6	7	4
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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 Seva 2018	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
NIL	NIL	NIL	Nil
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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
Nirbhaya Kanya Abhiyan	Dr Vithalrao VIikhe Patil College of Engineering, Ahmednagar	Importance of Hygiene in Menstrual Cycle	8	98
NSS	Dr Vithalrao VIikhe Patil College of Engineering, Ahmednagar	Yoga and NisargUpchar	9	86
NSS	Dr Vithalrao VIikhe Patil College of Engineering, Ahmednagar	Health fitness by Zumba Dance	9	74

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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 IEI	4

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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
NIL	NIL	NIL	Nil	Nil	NIL

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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
Autoadds, Ahmednagar	18/06/2019	Sponsored Projects and Industrial Visit	2
Accumec Industries, Ahmednagar	18/06/2019	Sponsored Projects and Industrial Visit	2
Shree Atharva Industries, Ahmednagar	13/08/2019	Sponsored Projects and Industrial Visit	2
Vaishnavi Industries, Ahmednagar	23/08/2019	Sponsored Projects and Industrial Visit	2
Ganesh Enterprises, Ahmednagar	23/08/2019	Sponsored Projects and Industrial Visit	2
Sai Waterways Industries, Ahmednagar	23/08/2019	Sponsored Projects and Industrial Visit	2
Sai Institute of Technology, Ahmednagar	23/08/2019	Sponsored Projects and Industrial Visit	2

Sai Engineering Works, Ahmednagar	23/08/2019	Sponsored Projects and Industrial Visit	2
Saikrupa Industries, Ahmednagar	23/08/2019	Sponsored Projects and Industrial Visit	2
S S Engineers Ahmednagar	26/08/2019	Sponsored Projects and Industrial Visit	2
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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
285.05	29.56

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	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 partially)	Version	Year of automation
SoftLib	Fully	Basic	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	36303	9175721	14	7130	36317	9182851
Reference Books	6345	5797663	Nill	Nill	6345	5797663
e-Books	6209	Nill	Nill	Nill	6209	Nill
Journals	Nill	Nill	46	165443	46	165443
e-Journals	Nill	Nill	275	368237	275	368237

Digital Database	1	66000	Nil	Nil	1	66000
CD & Video	1326	Nil	Nil	Nil	1326	Nil
Others(s pecify)	1019	2255214	Nil	Nil	1019	2255214

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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
NIL	NIL	NIL	Nil

[View File](#)

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	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
NIL	NIL

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
346.85	132.7	121.65	27.02

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/wp-content/uploads/2021/02/Procedures-and-policies.pdf>

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	61	946432
Financial Support from Other Sources			
a) National	Government Scholarships	Nil	91060739.5
b) International	NIL	Nil	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 implementation	Number of students enrolled	Agencies involved
Yoga and Meditation	21/06/2019	125	Mr. Rajan Kumar Social worker Yoga Teacher, YogVidhyaDham, Ahmednagar.
Personal Counselling and Mentoring, Students services and responsibilities	07/09/2019	200	Mr. Sunil Kalhapure, Hon'ble Deputy Director and Dr. U.P. Naik, Principal
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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	Guidance on GATE Examination	167	176	3	43
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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
Nil	Nil	Nil

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
NIL	Nil	Nil	Xento Varroc pvt ltd Shini Plastic Technologies Nirmal Automation Matrix structure Logipool infotech Krishna	152	56

design and m
manufacturing
pvt ltd
Infosys
Faurecia
Epitome pvt
ltd Dana
India Pvt.
Ltd.

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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	9	Dr. V.V.P.COE, Vilad Ghat, Ahmednagar	Mech. Engg	Dr.VVP COE, Ahmednagar., PREC, Loni, AISSM COE, Pune.	ME Design-07 MBA-02
2019	10	Dr. V.V.P.COE, Vilad Ghat, Ahmednagar	Civil Engineering	Dr.VVP COE, Ahmednagar., PREC, Loni, AISSM COE, Pune.	ME Structure-08 MBA-02

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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	23

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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	Institute Level	300
Foundation Trophy Sports 1) Table Tennis 2)Swimming 3) Badminton 4)Chess 5) Kabbadi 6)Volley Ball 7) Shot Put 8) Discus Throw 9) Running 10) Relay 11)Cricket	Intra Collegiate Competition Organised at the Institution Level	48
Teachers Day Celebration	Institute Level	250
Annual Cultural Events	Institute Level	450

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

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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
Nil	NIL	Nil	Nil	Nil	00	NIL

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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 co-curricular activities. For this purpose, the institute endorses student council. Every year, the college endorses new student council as per the guidelines given by Savitribai Phule Pune University. The council consists 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:

5597

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

15500

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)

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.

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
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.

<p>Industry Interaction / Collaboration</p>	<p>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.</p>
<p>Human Resource Management</p>	<p>(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</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 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</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</p>

undertaking creative and advanced research, guidance to PG students and faculty pursuing their PhD's.

Examination and Evaluation

? 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.

Teaching and Learning

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 resenatation/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 assess the teaching skills of the faculty.

Curriculum Development

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

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

E-governace 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
2019	Dr K B Kale	One Week national level Faculty Development Programme on application of IOT in	Nil	3000

		Mechanical Engineering		
2019	G.B.Murade	Two days National workshop on Robotics IOT	NIL	2300
2019	N. M Deshpande	National workshop on IOT Transformation Engg. Education for digital India.	NIL	1600
2019	Dr A K Patil	Two workshop on PLC SCADA Application	NIL	850
2019	Dr R R Navthar	One Week national level Faculty Development Programme on application of IOT in Mechanical Engineering	NIL	3000
2019	Prof Mrs. K.K. Anarase	Attended one day workshop FDP on "Project Based Learning (PBL)	NIL	1050
2019	Dr. Shirke A.J.	Meeting regarding planning for differently abled, SPPU, Pune	NIL	700
2019	Prof. Ms. A.B. Bavane and Prof. Ms. M.S. Gunjal	Attended two days national level workshop on "Artificial Intelligence and Machine Learning" at Modern college of Engineering, Pune	NIL	3000
2019	Prof. R.G. Raut, Prof. Ms. M.N. Kale	Attended the two day workshop on "Programming and Problem Solving" at Smt. Kashibai Navale College of Engineering, Pune	NIL	2500

2019	Prof. A.A. Pund	Attended the FDP on "Cyber Security" At IIIT ,Pune in association with BoS IT, SPPU Pune	NIL	2000
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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	Three day Workshop on Basics of solar and Hands on Training of Solar	NIL	17/09/2019	19/09/2019	35	Nil

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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
Innovations and research challenges in IoT applications for smart manufacturing	4	09/12/2019	14/12/2019	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	Nil	Nil	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident fund. Employee insurance scheme. Free/Subsidized	Provident fund. Employee insurance scheme. Free/Subsidized	Insurance scheme Medical Facility Earn and learn scheme

Health Care. Maternity leave. All statutory and non statutory welfare schemes Residential facility within the campus. Transportation for outstation staff.

Health Care. Maternity leave. All statutory and non statutory welfare schemes Residential facility within the campus. Transportation for outstation staff.

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, Sarjapura, 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
NIL	0	NIL
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6.4.3 – Total corpus fund generated

00

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	NIL	Yes	Academic Monitoring Committee
Administrative	No	NIL	No	NIL

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)

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 slide share, YouTube etc. to upload their study material so that it can be accessed by the students easily.

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	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
2020	Two Day National Workshop on- Rapid Prototyping	09/02/2020	09/02/2020	10/02/2020	64
2020	Avishkar-2 019 District Level Project Competition	03/01/2020	03/01/2020	03/01/2020	176

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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
NIL	Nill	Nill	Nill	Nill

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 be 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
2020	1	1	09/01/2020	1	Awareness regarding organ donation	Awareness regarding organ donation	51
2020	1	1	10/01/2020	1	Drama on farmer's suicides	Drama on farmer's suicides	51
2020	1	1	11/01/2020	1	Eye checkup camp	Eye checkup camp	51
2020	1	1	12/01/2020	1	National Youth day celebration	National Youth day celebration	51
2020	1	1	13/01/2020	1	Swacchata Abhiyan	Swacchata Abhiyan	51
2020	1	1	14/01/2020	1	Oath save girls	Oath save girls	51
2020	1	1	02/02/2020	1	Marathon Rally 2nd feb 2020	Marathon Rally 2nd feb 2020	51

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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
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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	12/07/2019	12/07/2019	58
Blood donation camp	21/09/2019	21/09/2019	69
Swachhata abhiyaan	12/10/2019	12/10/2019	127
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

) 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/2021/02/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/2021/02/Institutional-Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

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. Create Media center, Recording facility, Lecture Capturing System. 5. Arrange training programs for teaching and non teaching staff. 6. Green Audit of the campus. 7. Academic and Administrative audit.