Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SINHGAD ACADEMY OF ENGINEERING**
Name of the head of the Institution	**Dr. Kishor P. Patil**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02026934441**
Mobile no.	**9545754563**
Registered Email	**saeprincipal@sinhgad.edu**
Alternate Email	**iqac.sae@sinhgad.edu**
Address	**Sr.No.40/4A, Near PMC Octroi Post, Kondhwa-Saswad Bypass Road, Kondhwa (Bk)**
City/Town	**Pune**
State/UT	**Maharashtra**
Pincode	**411048**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. Kulkarni Shriram Sadashiv**
Phone no/Alternate Phone no.	**02026934550**
Mobile no.	**9922431650**
Registered Email	**sskulkarni.sae@sinhgad.edu**
Alternate Email	**kulk.shri@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://cms.sinhgad.edu/media/485693/aqar_18-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://cms.sinhgad.edu/media/485944/academic_calender_2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.01**	**2017**	**23-Jan-2017**	**22-Jan-2022**

6. Date of Establishment of IQAC

12-Oct-2015

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
PROJ-X POSTER Competition	**06-Feb-2020**	**263**

	1	
Student Training Program	08-Jul-2019 30	1770
Value Addition Programs	16-Dec-2019 18	444
Students' Internship	01-Jul-2019 30	189
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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
Civil Engineering	ASPIRE	SPPU	2019 365	130000
Computer Engineering	BCUD	SPPU	2019 730	44000
Information Technology	BCUD	SPPU	2019 730	39000
E&TC	BCUD	SPPU	2019 1416	148543
First Year	STUDENT WELFARE	SPPU	2019 2	8000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Course Outcome -Program Outcome (CO-PO) correlation was analyzed and line of action for achieving greater attainment levels was defined for all subjects of

First Year Engineering revised syllabus.

An online quiz was held as part of the COVID 19 Pandemic General Awareness Campaign, from April 30 to May 4, 2020, which received a huge response from all sections of society with over 1300 participants showing their interest.

Cells of the institution such as Industry Institute Interaction Cell (IIIC), Entrepreneurship Development Cell (EDC), and Technology and Business Incubation (TBI) cell strong rapport has helped to secure industry sponsored projects for final year students and organizing seminars/webinars for all students of different disciplines. The Institution always aims for improving Industry -Institute interaction.

Various efforts, such as cocurricular and extracurricular activities, initiated by students and faculty members of the institute were acknowledged and sponsored technically and financially and supported through the institutes Social Media Cell using social media channels such as WhatsApp, Facebook, and Instagram.

The students have got wide exposure to realtime industry experience through the internship programs which are supported and conducted by various industries through Internship Cell and Training Placement Cell of the institute.

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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
To promote the students for pursuing higher studies in the fields of their interests in the Indigenous and Foreign Universities	The count of students pursuing higher education has increased
To conduct periodic (quarterly) IQAC meetings	Four meetings were held, and the AQAR was submitted to NAAC on time
To strengthen students' compatibility with industries through skill development by designing Students' Training	Students Training Programs (STPs) of 5-stages were planned and implemented by all departments
To create a Competitive Examination Preparation Cell to assist students in preparing for competitive examinations.	Competitive Examination Preparation Cell was established and many activities for promoting the interest and keen of various technical competitive examinations were conducted.
To promote faculty for attending FDPs / Conferences	Count of faculty attending FDPs / Conferences has increased
To motivate students for registering MOOC	Students' registration count for online COURSERA, NPTEL courses, and IIT Spoken Tutorial courses has increased
To initiate the exposure through social	Social media platforms such as

media platforms such as WhatsApp, Facebook, Instagram,Linkedin etc for integrating the efforts of various stakeholders to appraise, support and promote activities of different Cells for achieving concurrent results	WhatsApp, Facebook, Instagram Linkedin etc are made available through Social Media Cell of the institute, to the stakeholders which received enormous response in overall lakhs of likes and shares. It resulted in overall increment of the students and staff for their proactive initiatives.
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Academic Monitoring Committee (AMC)	08-Jun-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	**27-Jan-2020**

17. Does the Institution have Management Information System ?	**No**

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

As an affiliated institute, the institute implements the curriculum Prescribed by the Savitribai Phule Pune University. Due to technical advancements in field practice, the University updates the syllabus of all courses on a regular basis with the help of domain technocrats and academicians. The faculty of our institute have made an important contribution. At the beginning of each academic year, the University provides an academic calendar detailing the start and conclusion of the semesters and schedules of various examinations providing adequate time for the implementation of academic plans. The Institute also prepares its own detailed academic calendar of all the classes for academic, co-curricular and extra-curricular activities. The Institute regularly monitors the programme through interactive HODs and Principal meetings. The planned task is divided into different portfolios at the college and departmental level committees. The teaching load is distributed among staff at the end of the preceding semester, taking into account of their areas of expertise in the conduct of theoretical and practical sessions. Course material, i.e. notes,

PPT, NPTEL lectures, content beyond syllabus and videos, etc., relating to their respective subjects is prepared and updated well in advance before the beginning of the semester. The timetable is made according to the teaching hours assigned by the university syllabus. The format of the attendance book includes the teaching plan, the attendance sheet, the teacher guardian meeting and the follow-up record time to time. The teaching plan is adapted up by the faculty in the prescribed format, including the topic to be delivered with scheduled dates and the actual date. The Domain expert and HOD monitors teaching plan and content beyond syllabus in theory and practical to be included. The teaching plan is updated on a regular basis by the subject teachers. The lectures and practical sessions are conducted in accordance with the timetable and the attendance is taken regularly by the staff in the prescribed attendance book. The cumulative attendance of students is filled in the Google spreadsheet of respective class every fortnight by subject teachers. The class teachers and teacher guardian review the data to monitor and take corrective action. The teacher guardian is appointed for every 15-20 students of a class and meeting with students is conducted to discuss the progress of their learning process and other issues that are documented and reviewed. The evaluation of journals and student performance in practical sessions is carried out on a regular basis and is recorded in the prescribed continuous assessment format. The mid-term submission of both practical and theory verifies the progress of the syllabus. All these activities are monitored by domain heads and HODs. The field expertise available outside the institute are also made available through guest lectures, workshops, seminars and industrial visits with joint efforts through MOUs. HODs continue to monitor the effective implementation of academics through regular follow-up of teaching plans and also through personal interaction with students, staff and parents.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

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

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Mechanical (EAM,RE,OR, AMP, HVAC, Robotics, IE, FEA)	17/06/2019
BE	IT (BAI, STQA, ISR, RTCD, SMA)	17/06/2019
BE	E&TC (EPD, ESRTOS, DIVP, AVE, ML, WSN)	17/06/2019
BE	Computer (DMW, STQA, SCOA, CC)	17/06/2019

| BE | Civil (ATP, ACT, TQM and MIS, APC, CM) | 17/06/2019 |

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

	Certificate	Diploma Course
No Data Entered/Not Applicable !!!		

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
Hands on Practice for ETAB Software	17/02/2020	65
MS-Excel for Civil Engineering	17/02/2020	75
Internet of Things	12/02/2020	80
Machine Learning	12/02/2020	60
AWS	11/03/2020	72
OOP using Core Java	16/12/2019	13
World Class Manufacturing	14/02/2020	79
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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	Civil	18
BE	Computer	46
BE	E&TC	43
BE	IT	37
BE	Mechanical	94
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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
Feedback is an important activity in monitoring the quality of the teaching learning process. The aim of this policy is to provide a platform for gathering, analyzing and recording data on student and stakeholder evaluations of the Institute's curriculum quality and effectiveness of academics. The

institute takes feedbacks from all the stakeholders periodically and it is based on the POs and PEOs. Students' Feedback about instructors: IQAC has formulated the criteria and policies for all types of feedbacks. Feedback from students is collected online in each semester. The faculties having feedback less than 50 percent are counselled by HOD for improvements in the parameters where most of students have given unsatisfactory remark. For such faculty, the feedback is again collected from students after some period to check the improvement in concerned parameters. Alumni Feedback: Alumni meet is conducted once a year. Alumni meet conducted at two levels, college and department. In college level meet, the alumni from all departments are addressed by the Principal, after which the alumni attend departmental meet. In department meet, the HOD addresses the alumni, followed by informal interactions. After which, written feedback is taken from each alumni. Each question in the questionnaire reflects one out of the twelve Programme Outcomes (POs). Students give marks out of 10 for each of the questions in the questionnaire. Average marks for each question based on each PO are then obtained. The analysis report is sent to IQAC. Parents' Feedback: Parents meet is conducted every year at department level. After the address by the HOD, there is open forum wherein parents can ask their doubts, difficulties which their wards face. The HOD and faculty try to address the concerned issues. Following that, parents are asked to provide feedback in the form of a questionnaire that includes questions about the teaching-learning process, faculty engagement, university examinations, discipline, extra-curricular activities, and so on. Parents are asked to give ratings to each question. Each question satisfies specific programme outcomes (POs). Each question's average score is determined. The average score for each PO is then calculated. At the departmental level, strategies and action plans are developed based on these results. Exit feedback is obtained from students who are about to graduate from their respective department (after the last exam in their final year). Questionnaire reflecting twelve Programme Outcomes (POs) is given to them and the same procedure is adopted as above to get an average marks for each of the questions and then an average marks for each PO are calculated. Based on these marks, the policies and action plan are formulated at department level. Employers Feedback: Since the Sinhgad group has a central placement cell common for all engineering colleges under its aegis, the feedback from employees is taken by central placement cell. The copy of which is sent to concerned departments of all engineering colleges. The departments then carry out similar mechanism as described above to analyze and decide the corrective action plan and implement the same to achieve the goal.

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	Mechanical	180	13	11
BE	IT	60	68	60
BE	E&TC	120	11	11
BE	Computer	180	203	174
BE	Civil	120	21	20
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2.2 – Catering to Student Diversity

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

Year	Number of	Number of	Number of	Number of	Number of

	students enrolled in the institution (UG)	students enrolled in the institution (PG)	fulltime teachers available in the institution teaching only UG courses	fulltime teachers available in the institution teaching only PG courses	teachers teaching both UG and PG courses
2019	2426	5	137	3	3

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
143	140	15	30	2	24

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)

Yes, Students mentoring system is being implemented in the institution from its inception, by name 'Teacher Guardian Scheme'. It is a process of establishing a trustworthy relationship with teachers, parents, and students in order to promote students' overall growth. Teacher Guardian Scheme is as follows: One teacher guardian (TG) is appointed for one batch of 15-20 students, in the beginning of each semester. The TG is one of the teachers who will be teaching the class in that semester. As a result, TG will vary from semester to semester for the same students. The TG records information of all the students in his or her assigned batch, such as their names, current and permanent addresses, phone numbers of their parents and guardians as prescribed in TG book. The students can have one to one formal and informal interactions with TG. Every two weeks, the students and teacher guardian have a formal meeting. In these meetings, teacher guardian counsels the students about their academic performance such as attendance, results, personal problems and any other issues faced by them. The discussion points are recorded in minutes of meeting and are shared with HOD. Some of the points are directly resolved by TG. Other issues are either resolved by HOD or forwarded to concerned authorities. The teacher guardian also keeps rapport with parents of his batch and periodically contacts the parents or guardians to inform about attendance, academics and other issues.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2431	143	1:17

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
140	88	52	55	20

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	S. S. Kulkarni	Assistant Professor	Best Paper Award in the International Conference on

2019	Mr. D. W. Gawatre	Assistant Professor	"Guru Gaurav Pursarkar -2019" organized by Apollo Institute and Police Pravah, Pune, on dated 03rd August 2019
2019	Prof. R. B. Bajare	Assistant Professor	Guru Gaurav Pursarkar -2019" organized by Apollo Institute and Police Pravah, Pune, on dated 03rd August 2019
2020	Prof. S S. Yevale	Assistant Professor	Samaj Bhushan Award AICTE Approved, Mitcon Conclave 2020, Award for Innovative Leadership in Engineering
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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
No Data Entered/Not Applicable !!!				
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Our continuous evaluation methods are well-planned and optimized for tracking the stages of students' progress. Continuous evaluation of learners' development, in which all of their performances in the cognitive, affective and psychomotor domains of learning are consistently taken into account in the final ranking of learners over a given period of education. The Institute gives more emphasis on continuous assessment policy wherein regular monitoring and checking of experimental journals and assignments is carried out. The use of continuous assessment sheet in a prescribed format is implemented as a part of the measures that are used to improve educational outcomes as well as students' learning. In continuous assessment sheet marks are assigned by the staff based on attendance, understanding concepts, the quality of journal and promptness in submission of assignments. The mid-term submission of practical's term work record and verifies the performance of students and corrective action is taken if required. The students' performance is also monitored by conducting unit tests and prelim exams as per academic calendar. The cumulative marks scored by the students in internal examinations serves as a criterion for assigning term work marks at university level. The weak students are given more attention and efforts by conducting repeat turns for practicals by respective faculties.

> Remedial lectures are conducted for students with lesser performance. The students are asked to solve the assignments for subjects in which they have not performed well.

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

> Our institute is affiliated to Savitribai Phule Pune University. The University provides academic calendar at the start of every academic year detailing the commencement and conclusion of semesters, schedule of various examinations like in-sem and end-sem theory, online, practical, oral, seminar, project viva and provides adequate time for implementation of academic plans. At the outset, the Principal and Vice Principal conduct meetings with all head of departments to develop strategies for effective implementation of the curriculum and accordingly academic calendar of the Institute is prepared. It is prepared for all classes taking care of academics, co-curricular and extracurricular activities. It is useful for smooth conduction of different activities. It mentions commencement and conclusion of teaching, schedule for various internal examinations (theory, online, practical, oral, project) and declaration of results. The institute monitors the program through interactive meetings of HODs and Principal. The academic plan is monitored by dividing the work into various portfolios at department and Institute levels dealt through various appointed committees. Also the academic task is distributed among staff taking into consideration their areas of expertise and field experience for theory and practical sessions. The field expertise available outside the institute is also availed through guest lectures, webinars, workshops and industrial visits with joint efforts through MOUs. The HODs continuously monitor the effective implementation of the academics through feedback of the student and faculties periodically.

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://cms.sinhgad.edu/media/485950/po-pso-co.pdf

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
616724610	BE	IT	70	69	98.57
618724510	BE	Computer	194	193	99.48
618761210	BE	Mechanical	231	203	88.26
618737210	BE	E&TC	142	142	100
618719110	BE	Civil	132	131	99.24
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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://cms.sinhgad.edu/media/485953/sss_analysis_final.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
Projects sponsored by the University	1460	BCUD,SPPU	143248	143248
Projects sponsored by the University	730	BCUD,SPPU	39000	13650
Projects sponsored by the University	1460	BCUD,SPPU	44000	22000
Projects sponsored by the University	730	ASPIRE,SPPU	130000	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
Artificial Neural Networks and It's Applications in Civil Engineering	Civil Engineering	09/08/2019
Glimpses of Concrete Technology on the Field	Civil Engineering	01/06/2020
Seminar on "AWS and Docker"	Computer Engineering	07/02/2020
Workshop on "Web Development"	Computer Engineering	09/02/2020
Personality Development(seminar)	Computer Engineering	18/07/2019
IIT spoken Tutorial FDP on LINUX	Electronics and Telecommunication	04/05/2020
One week Online Faculty Development Program on PHP and MySQL	Information Technology	04/05/2020

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
No Data Entered/Not Applicable !!!				
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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
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
Department of Computer Engineering	3
Mechanical Engineering	4

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	1	1.0
International	Computer Science Engineering	30	2.25
International	Computer Science Engineering	10	1.40
International	Information Technology	7	0
International	Mechanical Engineering	8	6.2
International	First Year Engineering	1	1.2
International	First Year Engineering	1	2.01
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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
Mechanical Engineering	1
First Year Engineering	1
Information Technology	2
Electronics and Telecommunication	2
Computer Engineering	2
Computer Engineering	10
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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

No Data Entered/Not Applicable !!!	
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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
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	**8**	**84**	**129**	**126**
Presented papers	**19**	**Nill**	**Nill**	**1**
Resource persons	**2**	**Nill**	**1**	**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
No Data Entered/Not Applicable !!!			
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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
Tree Saplings Distribution Guinness World Record	**Participation Recognition**	**Savitribai Phule Pune University**	**85**
Blood Donation, dental check camp	**Participation Recognition**	**SKN Medical College**	**90**
Seminar series VISHWARUNI'20 jointly organized at VIIT Pune by NSS VIIT and SAOE volunteers	**Participation Recognition**	**VIIT Pune**	**100**
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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/Agen	Name of the activity	Number of teachers	Number of students

	cy/collaborating agency		participated in such activites	participated in such activites

<div align="center">**No Data Entered/Not Applicable !!!**</div>

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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
Research Collabration	Dr. N. P. Dharmadhikari	Self	314

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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
Sharing (Instruments)	Research Programme	IIGM Panvel, Mumbai	21/08/2019	31/12/2020	Dr. N. P. Dharmadhikari

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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

<div align="center">**No Data Entered/Not Applicable !!!**</div>

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

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

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added

<div align="center">**No Data Entered/Not Applicable !!!**</div>

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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
Easylib	Partially	6.0	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	147	62426	453	224723	600	287149
Reference Books	149	89761	867	36223	1016	125984
e-Books	300	Nill	10	Nill	310	Nill
Journals	109	390665	Nill	Nill	109	390665
CD & Video	10	Nill	20	Nill	30	Nill
Others(specify)	7	1513	Nill	Nill	7	1513
Library Automation	1	30000	Nill	Nill	1	30000
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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 !!!			
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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	588	22	588	1	1	15	480	55	33
Added	0	0	0	0	0	0	0	55	0
Total	588	22	588	1	1	15	480	110	33

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

110 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
DSpace	http://172.16.105.13:8080/jspui/handle/12345678

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 incurredon maintenance of physical facilites
18.51	12.71	68.45	54.04

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 established systems and procedures for maintaining and utilizing physical, academic and support facilities. College has regular maintenance and periodic replenishment of essential facilities. College policy is to have effective mechanism for the upkeep of the infrastructure and other facilities as to have optimum utilization of the facilities for effective functioning of college. The college ensures optimal allocation and utilization of the available financial resources for maintenance and utilization of different facilities by holding regular meetings of various committees constituted for this purpose. Budget provisions are made for new as well as old facilities, repairs and maintenance every year. Laboratory: The cleaning and the maintenance of the classrooms and laboratories are done by the non- teaching staff as per cleaning schedule which is monitored by head of the department. Laboratory rules and regulations are prepared and displayed for students. Record of Lab maintenance and utilization is maintained by lab technicians, lab in-charge which is supervised by HODs of the concerned departments. Department wise annual stock verification is done by concerned HOD. The office monitors routine activities such as:- 1. Regular cleaning of water tanks, proper garbage disposal, pest control, landscaping and maintenance of lawns are done by Institute concern employees. 2. College campus maintenance is monitored through regular inspection. 3. Upkeep of all facilities and cleanliness of environment in girls' and boys' hostel is maintained through hostel warden. 4. Staff is appointed for the maintenance of wooden furniture, electrification, and plumbing. 5. Regular maintenance of the water cooler and water purifier is done.

http://cms.sinhgad.edu/media/485956/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	Nill	Nill	Nill
Financial Support from Other Sources			
a) National	Freeship and Scholarship	1677	90033968
b)International	Nill	Nill	Nill
View File			

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
Research and Technical	17/06/2019	745	In-House

Capability Enhancement				
Personal Counselling (TG Scheme)	17/06/2019	2431		In-House
International Yoga day celebration	21/06/2020	92		NSS
Bridge Courses	14/02/2020	444		In-House
Soft Skill Development	17/06/2019	581		In-House
[View File](#)				

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 passedin the comp. exam	Number of studentsp placed
2019	Sinhgad overseas Cell	200	2	75	31
2019	Linkage with institutions	5	3	3	Nill
2020	Sinhgad overseas Cell	3	3	3	Nill
2020	Sinhgad overseas Cell	200	6	9	35
2020	Guest lecture for GATE and CAT	90	80	3	Nill
2020	Guidance for Higher study outside India	85	75	4	Nill
2020	Guidance for MPSC and UPSC exam	95	87	4	4
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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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
View File					

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
No Data Entered/Not Applicable !!!					
View File					

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

Items	Number of students selected/ qualifying
GATE	84
GRE	7
TOFEL	6
GMAT	1
Any Other	9
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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
SINHGAD KARANDAK NEON-2020	Intercollegiate	32
Football (Girls)	Intercollegiate	80
Football(Boys)	Intercollegiate	240
Kabaddi (Boys)	Intercollegiate	228
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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
2020	38th National Shooting ball Championship	National	1	Nill	18	Dighe Pratiksha Jaldindar

2020	Sinhgad Idol Duet Karandak	National	Nill	1	71716849C	Shirin Siddiqui
2020	Sinhgad Idol Duet Karandak	National	Nill	1	PQTZR16	Amaan Khan
2019	Trinity College of Music London Classical Guitar Grade 8 Advance Exam	International	Nill	1	71716849C	Shirin Siddiqui
2019	Cultural Festival,Iskcon	International	Nill	1	YHPGF19	Prerana Anil Kharat
2019	1st Senior Category Narthana Krishna	National	Nill	1	YHPGF19	Prerana Anil Kharat
2019	UNESCO,Paris appreciation certificate	International	Nill	1	YHPGF19	Prerana Anil Kharat
2020	Nirtya Shree Award	International	Nill	1	YHPGF19	Prerana Anil Kharat
2020	2nd award Social Distance dance competition ANNAS,Nagpur	National	Nill	1	YHPGF19	Prerana Anil Kharat
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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 Student Council of the Sinhgad Academy of Engineering is a student welfare organization that focuses on undertaking different events and activities to inculcate team spirit, leadership and values among students. It also helps to develop the competence of students to face the newer challenges of today's global world through holistic development. The Institute provides a platform for students to participate in a variety of academic, administrative and other activities. This enables students to learn leadership skills, rules, protocols and performance skills. This council gives students a forum to promote, communicate and excel in future qualities. This association includes different sections, such as Placements, Start-up and Innovation, Alumni, Women's Empowerment. Without social consciousness, every education is incomplete. The "NSS Committee" is involved in various events such as blood donation camps, Swachh Bharat Abhiyan, Yoga Day, Tree Planting, and other social activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The "Alumni Association SAE Kondhwa (Bk.), Pune" was registered in the year 2010 with Registration No. MH/1551/2010/ Pune dated 29/07/2010. Alumni Body Dr. K. P. Patil (President) Prof.S. A. Ladkat (Co-ordinator) Members Dr. P. S. Deshpande, Prof. P. R. Patil, Prof. A. V. Dube, Prof. L. J. Deokate, Prof. S. S. Borate, Prof. A. G. Kale Vision: Reconnect with old friends, make new ones, and explore new opportunities. Mission: SAE Alumni Association offers and promotes alumni programs and services, facilitates contact with alumni, and seeks to strengthen alumni ties of fraternity, professional association, leadership, and humanitarian services. Objectives: 1. Prospective: Recognizing the affinity for the SAE experience starts with graduate student experience and is enhanced by lifelong learning and engagement. 2. Supportive: Responding to and anticipating the needs and interests of graduate alumni must guide our efforts in promoting their personal and professional development. 3. Comprehensive: Supporting and growing the graduate alumni network necessitates a "Whole of SAE" strategy that completely incorporates the efforts of all on campus and around the world. 4. Inclusive: our strategy must also brighten and enrich the lives of graduate alumni by reinforcing a sense of community. The Alumni Association works to improve alumni and institute relations in order to strengthen their contribution to SAE. Alumni gatherings provide a forum for alumni to express their opinions and support for the institute. It helps to bring new technologies, build professional relations with industry and update the knowledge of entrepreneurs.

5.4.2 – No. of enrolled Alumni:

11325

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

SAE Alumni Association was established in 2010. Till now we have organized seven alumni meets, for which the response was overwhelming. First Alumni Meet was conducted on 20th March 2010 for which total number of participants was 81. Second Alumni Meet was conducted on5th March 2011 for which total number of participants was 183. Third Alumni Meet was conducted on 25th Feb 2012 for which total number of participants was 181. Fourth Alumni Meet was conducted on 22nd March 2014 for which total number of participants was 233. Fifth Alumni Meet was conducted on 28th Feb 2015 for which total number of participants was 300. Sixth Alumni Meet was conducted on 2nd April 2016 forwhich total number of participants were 323. Seventh Alumni Meet was conducted on 8th April 2017 for which total number of participants was 334. Alumni Contribution- A guest lecture at FE Induction programme was taken by our Alumni student Mr.Achinyta Paradkar in the month of August2018. The topic for the lecture was Scope of Mechanical Engineers in Industry. Mr.Achinyta is currently working as a Simulation Engineer for Jaguar, Land Rover Advanced engineering, Tata Technologies, Pune. A Guest lecture on Career Guidance was conducted by Mr.Aniket Katyarmal a student of first batch of Mechanical Department 2008 – 09 on 25/07/2015. Mr.Aniket Katyarmal is presently working with TATA Motors as a Manager. The lecture was conducted for SE, TE and BE students to guide them on future scope in Mechanical Engineering. Mr.Aniket Katyarmal also shared his work experience. Workshop on ATV design AUTO Quotient was conducted from 11/07/2015 to12/07/2015 by our Alumni student Mr.Lokesh Rane and Team of

Mechanical Department (FORZA Racing and Team). The basic objective of the workshop was Race craft, get hand on basics of an automobile, and get practical knowledge. "Mobile application Development Role of Cloud in Mobility" guest lecture was conducted by our Alumni student of Computer Department Mr.Dhanjay Chaubey, who works as Team Lead in Aexonic Technologies Pvt. Ltd, Pune on 05/07/2014.

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)

The Institute promotes governance through the participative management of authorities at various levels. The duties, responsibilities and authorities are well known at all the levels of the employees, which are exercised by them in a decent and conducive manner and the work harmony is maintained at all levels in academic, financial and administrative works. 1. The Principal of the institution in the role of academic controller exercises his monitoring through HODs of all departments. It is done by conduction of regular periodical meetings of all the HODs right from planning of forth coming semester, framing of academic calendar, internal/ external exams, midterm/ end-term submission of term work, industrial visits / guest lectures /seminars/workshops to be organized, planning regarding conduction of annual/term events like gathering, alumni meet, parent meet, technical events such as Techtonic, Sinhgad Karandak etc. HODs are free to express their opinions and innovative concepts in the meetings regarding the planning details and methodologies to be adopted, which are appreciated and due consideration is given by the Principal on each such suggestion and the decisions are taken through participative discussions. 2. Every HOD conducts the meeting of his individual department in which the teaching and non-teaching staff members are participants. In these meetings HOD takes the decision regarding distribution of the subjects to be taught in the forthcoming semester giving due consideration to the choice, the teaching/ field experience, qualification/ specialization, achievements in the form of results / feedback from the students and parents regarding the teaching of that teacher etc. Similarly, the portfolios of various works related to academics viz. departmental academic monitor, domain heads of a cluster of similar subjects/using same laboratories, appointment of class teachers to every division and teacher guardian to every batch of that division, coordinators for various events and activities at the institutional level. 3. The domain heads, in their turn, deal with the share of their responsibilities by conducting meeting of teachers and technical lab assistants of their domain for fine level planning, execution, monitoring of the inventory/test material/resources and teaching learning process in the labs and classrooms, industrial visits, guest lectures, seminars, workshops of their domain subjects. Here, also, the due consideration and weightage is given to opinion, experience, qualification etc. of each participant in decision making process. Finally, each subject teacher and laboratory demonstrator conducts teaching learning sessions with due consideration and respect to difficulty/ doubts raised by the students in the running sessions or any time afterwards to resolve it to the satisfaction of the students. Also, any issues raised by parents of students about academics, fees, exam schedules, or their wards' performance in academic/extra-curricular activities are answered with full initiative, enthusiasm, and interest by each teacher guardian, subject teacher, HOD, VP and Principal until that parent is satisfied, considering him a principal stake holder of the Institute. The participatory management philosophy is carefully practiced at all levels of the Institute in order to preserve work harmony and high productivity.

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

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Research and Development	The vibrant research and development activity in the college has resulted in receiving grants from various organizations and also a few industries. The Research and Development Cell (R and D Cell) monitors and administers research activities undertaken during B.E, M.E. and Ph.D courses offered by the University and faculty research contributions. The R and D Cell will initiate the following specific activities for monitoring and evaluation of research work undertaken by candidates admitted to above courses as well as faculty research activities. The centre of excellence focus primarily on applied research, product development, industrial training, development of multimedia resources and publication. Faculties are primarily involved in research projects that are beneficial to the society. Policies for R and D and consultancy are finalized and made available to faculty. Faculty and students are motivated and promoted to carry out research. Student and faculty are encouraged to file the patents.
Human Resource Management	The following are the most important aspects of the college's human resource management. Staff requirements are received from all HoDs and approved by the Principal, who then obtains management approval. Advertisements are placed in major newspapers. The service rules, pay-packages and other facilities are given to faculty and staff as per norms by SPPU, Govt. of Maharashtra. • The facilities like (1) EPF, (2)Gratuity, (3) GIS, (4) EMBF and leaves like Casual Leave (CL), Study Leave (SL),Medical Leave (ML), Maternity Leave, Earned Leave (EL) and Vacation are given to faculty and staff as per norms. • Promotion and assistance for professional development. • Support for higher education. • The academic, administrative, and research contributions of faculty and staff are

	evaluated quantitatively and qualitatively through performance assessment.
Industry Interaction / Collaboration	In order to improve interaction with industry, the Institute has established a complacent platform viz Industry Institute Interaction Cell (IIIC) and Internship Cell (IC). Most of the subject teachers schedules an industrial visit or expert talk by an industry expert and provides information to the department at the beginning of the semester, such as industry details, scheduled date of guest lecture, workshop, FDP, entrepreneurship awareness, and other initiatives. Standard formats are made available to the department at the end of the semester to compile all activities performed in accordance with planned industry interaction. The summary sheet is prepared and communicated to all departments for review and future plans. To inculcate the research and development opportunities, Industry- Institute-Initiative is started. In this various activities like Memorandum of Understanding (MoU) with various companies, conduction of seminars/expert lectures/guest lectures, project sponsorship for BE students, internship for TE and BE students (In-plant training), industrial visits and project competition are conducted.
Admission of Students	The students are admitted in our institute through the Centralized Admission Process (CAP) governed by Maharashtra State Government's State Common Entrance Test Cell. The stages of CAP are as follows:- 1. Display or publishing of information brochure on web site. 2. Filling online application form by candidate for participation in the centralized admission process. 3. Document verification at facilitation centre by the candidate. 4. Display or publishing of provisional merit list on website. 5. Filling up and confirmation of online preferences of courses and institutions prior to respective CAP Rounds. 6. Display of provisional allotment of respective CAP round indicating allotted institute and course. 7. Reporting and accepting the offered seat at Admission Reporting

	Centre (ARC) by the candidate. 8. Only after reporting to ARC, the candidate should report to the allotted institute for online admission. 9. The final fee approved and published by the Fee Regulating Authority (FRA) for that year shall be the fee payable by the candidate for that course for that academic year. 10. Every student admitted is issued an Eligibility Number (EN) after filling information of students on University portal by administration office of our institute. 11. Permanent Registration Number (PRN) is allotted by University portal to create profile of student for examination.
Examination and Evaluation	Examination is conducted as per norms rules and regulations by SPPU Pune. • The In-Sem Examination assessment is carried out (for all) as an internal examination of 30 marks respectively. The End Semester Examination of 70 (for all) marks carries out the final assessment of each course.
Teaching and Learning	ICT based Teaching Learning process is followed. • Innovative teaching methodologies are included in teaching plan like cross word puzzle, role play etc. • Content beyond syllabus is planned to meet the objectives • Course allocation is done to faculties prior to start of semester. • Teaching Plan is prepared and made available to student. • Implementation is done and monitored as per plan.
Curriculum Development	The curriculum developed by SPPU Pune is upgraded after every 4 years. Faculties are actively participating in the process of design and development of curriculum at various levels such as member BOS, coordinators for subject revision, etc. The faculties attend the syllabus revision workshop. The institute encourages and provides facilities for every faculty to actively participate in the FDPs, meetings conducted by Board of Studies (BoS) at SPPU level.
Library, ICT and Physical Infrastructure / Instrumentation	The library is automated with Easy-Lib library management software and the operations of cataloguing, circulation, stock verification have been automated. Online Public Access Catalogue (OPAC) enables user to search the books in the possession of the library. The central

library of the college has collection of huge number of learning resources including textbooks, reference books, national and international journals, digital resources, online journals, etc. ICT: ICT tools contribute to high quality lessons since they have potential to increase students' interest and connect them to many information sources. The college has set ups of LCD projector and the Wi-Fi facilities in all classrooms. Physical Infrastructure / Instrumentation: Our College consists of well equipped infrastructure such as classrooms, libraries, workshop, research laboratory, digital library, reading hall, studio, sports club, staff quarter, drawing hall etc.

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

E-governace area	Details
Student Admission and Support	The students are admitted in our institute through the Centralized Admission Process (CAP) governed by Maharashtra State Governments, State Common Entrance Test Cell. The stages of CAP are as follows:- 1. Display or Publishing of Information Brochure on web site. 2. Filling Online Application Form by Candidate for participation in the Centralized Admission Process. 3. Document Verification at Facilitation Centre by the Candidate. 4. Display or Publishing of Provisional merit list on website. 5. Filling up and confirmation of online preferences of Courses and Institutions prior to respective CAP Rounds. 6. Display of Provisional Allotment of respective CAP round indicating allotted institute and Course. 7. Reporting and accepting the offered seat at Admission Reporting Centre (ARC) by the Candidate. 8. Only after reporting to ARC, the candidate should report to the allotted institute for online admission. 9. The final fee approved and published by the Fee Regulating Authority for that year shall be the fee payable by the candidate for that course for that academic year. 10. Every student admitted is issued an Eligibility Number (EN) after filling information of students on University portal by Administration office of our institute. 11. Permanent Registration Number (PRN) is allotted by university portal to

		create profile of Student for examination.
	Finance and Accounts	The following software are used for accounting work 1. Collection of fees from students: Aspire software 2. Account: Tally software. 3. Salary: Pay whizsoftware. On line Payments: TDS, salary, GST, creditors payment, students' refunds and RTGS. Online fees received from students through RTGS / NEFT etc.
	Administration	After the implementation of e-governance, we have improved the deliverables to students, faculties, parents by providing services like enrolment, feedback of students, requests for documents, requests for certificates, issuing admit cards and ID Cards etc. The implementation of E-governance in administration provides new ways of communicating to the students. The biometric attendance of staff is taken and monitored by generating daily report using software. The system provide timely alert to colleges through SMS / Emails from governing bodies to send requisite data online, such as: - 1. AICTE: Online notice from AICTE web portal for extension of approval. All related information and document uploading on same portal with in time limit. (i.e. teaching staff information, college infrastructure, other facilities etc.) 2. SPPU: Affiliation continuation proposal online submitted to SPPU along with required documents 3. Admission Regulating Authority (ARA): All first year and direct second year student information is submitted online on ARA portal. 4. DTE: Institute information and college intake information is submitted online in DTE portal (Additional intake/ reduction/ new courses) 5. Scholarship: (SC/ST/ OBC/ SBC/NT/VJNT EBC/ EWS) all respective students fill up online scholarship form from govt. web site. Scholarship section online scrutinized forms and are submitted to scholarship department of Govt. of Maharashtra. 6. Eligibility: All admitted first year, DSE students' information is submitted online to SPPU eligibility department along with fees. 7. JK Scholarship: All admitted first year, DSE students' information is submitted online to

		Central Govt. scholarship department. The implementation of e-governance in administration at departmental level provides new ways of communicating to the students through Whatsapp, email for notices and teaching- learning process. The reports of students' attendance, feedback system are generated online using software.
	Planning and Development	Planning and development activities are fulfilled as per the requirement of the SPPU, DTE, UGC and AICTE from time to time. The institute plans accordingly its academic calendar of all classes for academics, co curricular and extra-curricular activities which is circulated to staff and stakeholders via email and WhatsApp.The notifications related to execution of curricular and co-curricular activities are send via mails. The institute committee which includes members from teachers and office staff to help out with the planning and execution of development/Modifications of the college infrastructure. This committee discusses receives online information in prescribed format from department's for their requirements. The budget required and budget sanctioned is reviewed. The department makes comparative statements of online quotation send by vendors for purchase and sent to central committee for approval by mails. The stock verification report is reviewed periodically with purchase receipts data for assessment.
	Examination	For the implementation of e-governance SPPU has enabled effective real time system for bringing transparency in the examination conduction system. The candidates appearing for examination under Savitribai Phule Pune University has to fill examination form online by visiting the website http://www.unipune.ac.in. for creating an account. The data filled by student is verified by OTP generated on his registered mobile number. The students has to fill EN, PRN and other details .The examination fees is to be paid online and receipt is generated. The College Exam officer (CEO) is appointed by examination section of SPPU who

conducts in-sem and end-sem examinations at college level. The question papers are mailed to CEO by the University in PDF format just before the start of exam. The print of question paper is taken after the OTP is received by the CEO on his registered mobile. The uploading of internal marks and in-sem marks is done by staff members on University portal. The result is declared online and ledger of same is mailed to college by the University.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

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	Train The Trainer-Information Technology	-	04/09/2019	16/09/2019	22	Nill
2019	Train The Trainer-Computer Engineering	-	16/12/2019	18/12/2019	75	Nill
2019	Train The Trainer-Mechanical Engineering	-	16/12/2019	18/12/2019	30	Nill
2020	-	Computer Networking	06/02/2020	07/02/2020	Nill	15
2019	Train The Trainer-Civil Engineering	-	16/12/2019	18/12/2019	32	Nill

2020	IIT spoken Tutorial FDP on LINUX	-	04/05/2020	10/05/2020	199	Nill
2020	Faculty Development Program on Introduction to composites (Online AICTE-NPTEL)	-	02/01/2020	03/01/2020	105	Nill
2020	Webinar on Fracture Mechanics Approach in Design Engineering Research Opportunities in Gear Mechanics	-	31/05/2020	31/05/2020	796	Nill
2020	Webinar on Renewable Energy, Vibration Analysis, Uncertainties Isolation Contact Management Strategies	-	04/06/2020	04/06/2020	112	Nill
2020	Webinar on Finite Element Analysis its Application in Process Industry	-	12/06/2020	12/06/2020	138	Nill

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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
No Data Entered/Not Applicable !!!				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
88	143	98	98

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Gratuity • Study Leave • Staff development • Staff Quarters • Medical Facility • GIS	• Gratuity • Study Leave • Staff development • Staff Quarters • Medical Facility • GIS	• Students' Insurance • 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)

Institute conducts Internal and Statutory Audits for every financial year. There are two separate audit committees for both the audits. Statutory audit is done through CA K. S. Mali. Audit is done basically for : All recurring and nonrecurring expenses i.e. fixed assets, salaries and wages, investments, cash and bank, repairs and maintenance of building and other assets, electricity and water expenses etc.

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
Sinhgad Technical Education Society	598450	Co-curricular and Extra-curricular Activities

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	SPPU, NAAC, DTE	Yes	IQAC
Administrative	Yes	M/s. K. S. Mali Co. (Chartered Accountant)	Yes	Internal Audit Department, STES, Erandwane, Pune-411004

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

The parent teacher association is meant to enhance the interaction between parents and teachers. This forum provides platform for suggestion for making plans, setting goals and solving problems for encouraging students to be a better learner. This organization also enables teachers to engage with parents

about the areas in which their wards want to excel and to provide practical suggestions about how to enhance their wards' success. Parents and teacher have common goals. They both want their wards to succeed and progress at a rate where they can take control of their own learning. Parents play a very important role in giving dimensions to their career by inculcating good habits in their wards. This association provides a platform to discus. (1) Awareness about wards' attendance and commitment (2) Discus the academic performance of their wards (3) For parents / guardians and teachers to connect with each other (4) The wards' personal and academic issues can be addressed together and attempts are made to solve the problems. (5) To address faculty participation and commitment in improving the quality of teaching and learning processes, as well as the students' involvement needed. (6) To promote the value of internal examinations in achieving higher grades. Parent-teacher association provides proper platform to collaborate their joint efforts for the betterment of their wards.

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

1. The support staff is always given opportunity for higher education in their respective department itself for allowing them to attend lectures and practical sessions by adjusting their work load. 2. The supporting staff is allowed to attend the certified courses conducted under Students Training Programs especially regarding learning of engineering software of professional quality. 3. The supporting staff is allowed to undertake professional training by the vendor companies for repair and maintenance of lab tools and equipment and operating them.

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

1. The NPTEL Local Chapter has been established at the Institute level to improve the information base and to enable it to be accessed on a regular basis. 2. Registration of Institute with IIT Spoken Tutorials and COURSERA is carried out and students were facilitated to register and appear for their certified examinations. 3. Institute level Internship Cell is established to enhance the interface of students with the industries. 4. The institute branch of Sinhgad Overseas Cell (SOC) has been established to assist students and staff in obtaining higher education and internships at reputable Universities abroad 5.Departmental Research and Development (R and D) laboratories are established to foster research practices among staff and students. 6. Use of ICT is enhanced by faculty in the teaching learning process. 7. The efforts for improving and maintaining sustainable environment are taken so as to make the campus more eco-friendly. 8. Cipher Cell is established for nurturing and grooming the interdisciplinary technical skills of the students. It helps them to participate in events like Hackathon, Project exhibitions etc. 9. Social Media Cell is established for converging the efforts of various stakeholder to highlight, appraise and promote all co-curricular, extra-curricular activities in social domain. 10. Competitive Examination Preparation Cell is established and different activities for promoting the interest and keen of various technical competitive examinations are conducted.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality | Date of | Duration From | Duration To | Number of |

		initiative by IQAC	conducting IQAC			participants
2019	Students Internship	19/08/2019	01/07/2019	31/01/2020		189
2019	Value Addition Programs	19/08/2019	16/12/2019	13/03/2020		444
2019	Student Training Program	19/08/2019	08/07/2019	13/03/2020		1770
2020	PROJ-X POSTER Competition	22/11/2019	06/02/2020	06/02/2020		263
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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
Nirbhay kanya Abhiyan	22/01/2020	23/01/2020	18	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

1) Every year special Days are celebrated to raise environmental awareness. The days such as Environment Day, Earth Day, and Water Day, among others are celebrated with unique zeal and zest by students. 2) Tree plantation drive has been conducted within campus and outside campus on various occasions throughout the year. 3) Monitoring the effective utilization of water through sprinkler Irrigation system for lawns to cover larger areas in optimum water content. 4) Plantation of trees, development and maintenance of lawns, their nurturing is done by manual systems to optimize over the water consumption, power consumption (hand operated lawn trimmers, tree branches cutters/ trimmers). 5) Recycling of waste water of sewage generated in college and hostel building toilets are done through STP (Sewage Treatment Plant). All the trees, lawns, flower beds, botanical garden of medicinal plants in the campus is maintained through it. 6) Entire open land is properly utilized under green coverage and properly maintained throughout the year with the help of special care takers for it. 7) The sewage of the college hostel, canteens, and mess is used in bio-gas plant which has a capacity of 25,000 liters. This plant also receives biodegradable wet solid waste from floor sweepings and garden/lawn trimmings. To a large degree, this bio-gas plant meets the needs of engineering college canteen facility cooking gas. 8) Solar panels are installed and maintained on hostels for catering need of hot water requirements of hostels. 9) Rain water harvesting system is permanently constructed and maintained for water recoupment of bore wells and ground water level. 10) Large number of B.E. final year projects and T.E. seminar topics and various audit courses of environmental studies during the degree course of all branches are undertaken by students for making them environmental conscious. 11) Throughout the year, the idea of no bouquets, only plant saplings is fully implemented during all types of felicitations on the college campus. Plant saplings of native species

like Neem, Pimpal, Babhul, Banyan tree, Mango, Lemon, Tulsi etc. are provided for felicitation to the dignitaries, guests, celebrities, award winning students, teachers in various functions and activities throughout the year. 12) Students are given guidance to work on social awareness through National Service Scheme (NSS) and through various social programs conducted by students under the departmental students' associations.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	Nill
Braille Software/facilities	Yes	Nill
Rest Rooms	Yes	Nill
Physical facilities	Yes	Nill

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	01/01/2020	7	NSS Winter Camp	Village Cleanliness, Construction of Bandhara, Social awareness through Play, and Rallies	52
2019	1	1	28/06/2019	1	NSS - Environmental Consciousness, Nirmal Vari	Saswad village cleanliness	100
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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)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Marathi bhasha sanvardhan pandharavada	10/01/2020	24/01/2020	165
Lokshahi	01/02/2020	14/02/2020	50

pandhrawada			
Sanvidhan divas	26/01/2020	26/01/2020	150
Organ donation seminar and awareness drive	11/02/2020	11/02/2020	100
Collective Oath Celebration For De-addiction of Tobacco	12/07/2019	12/07/2019	100
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) Biogas plant installed runs on biodegradable waste from college dorms, mess halls, canteen sewage, and lawn/garden vegetation garbage. The cooking gas requirement of the engineering college canteen is largely met by it. 2) Our Institute is known for their well-kept greenery on the campuses throughout the year. Recycling sewage waste water is done for gardening purposes in order to preserve the campus greenery, which includes bio medicinal plants, gardens/lawns, trees, and flower beds. The recycled waste water contains well-treated rich natural manure that does not require artificial fertilizers or pesticides to maintain the campus lawns and greenery. 3) Solar geysers are provided for hot water requirement on all three hostels catering the need to around 95 percent of its annual demand. 4) Exclusive parking space is provided for vehicles to prevent them from plying inside the campus. 5) Recoupment of ground water level is done through water harvesting technique using two bore wells and two open wells as feeder sumps. 6) Local native tree plant saplings used instead of bouquets for all functions in the college. 7) Natural light and ventilation is derived to its maximum capacity through all doors, windows and ventilators. 8) Awareness of switching off lights/fans while not being used is nurtured among the staff and students.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

• Students Training Programs (STPs) to improvise the soft and technical skill sets of students through well-structured modules • Internship Cell (IC) to enhance field exposure of the students with the industries • Industry Institute Interaction Cell (IIIC) to facilitate interface between students and industries through expert lectures, seminars, workshops, sponsored projects, industrial visits etc • Train The Trainers (TTT) to facilitate the exposure to teachers of the experts in respective domains across Sinhgad Technical Education Society and improvise teaching learning process for the betterment of students • Teacher Guardian (TG) Scheme to address personal / academic issues pertaining to the students • Institute Level Repository for E-Content developed by faculty for easy study reference to students • Department wise Whatsapp groups for faculty and the students to have instant communication regarding academic interaction, Training and Placement (TP) activities etc • 'MOSAIC' (College magazine) and departmental newsletters, published periodically as a platform for exhibiting and highlighting students' achievements, articles, creations in various arts and skills.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://cms.sinhgad.edu/media/485959/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

Our Institution's vision is "We are committed to produce not only good engineers, but also good human beings, also". In the realm of National Service Scheme and Studnts' Development Cell, our Institute conducts a variety of activities with the ultimate goal of instilling human values such as patriotism, national integration and communal harmony among volunteers. Due to the pandemic sweeping the world, our college was digitally linked to students through a virtual meeting platform. The first activity, 'Virtual NSS Wari, was held from June 29th to July 7th, 2020. The first event, "SwachhWari," was held on June 30th, and volunteers participated in an online event to learn how to make posters and slogans to raise awareness among people about the importance of keeping their villages clean and how to get support from authorities. In 'HaritWari' which was held on3rd June the Volunteers planted trees in their locality, created handmade/digital posters to create "Awareness about Importance of Tree Plantation". A "Tree Plantation Drive" was conducted during 23rd to 25th July, 2020. Total 88 Saplings were planted by the Volunteers of NSS in their neighborhood. Organ donation event was organized online on 13th August,2020 by Savitribai Phule Pune University. The program was inaugurated by Shri. Bhagat Singh Koshyari (Governer of Maharashrra) who cited the importance of organ donation. On 3rd August 2020 on the day of Rakshabandhan, Rakhis students printed greeting cards which were delivered to training batalian-2, at Alandi Road Dighi . The students celebrated independence day on 15th August by portraying videos of patriotism and paid tribute to all our heroes', soldiers, and freedom fighters. The videos wereuploaded on our college NSS YouTube channel. For celebrating teacher's day, students have made a video which briefs information of life events of Dr.Sarvepalli Radhakrishnan. The webinar was conducted on What is Menstrual Hygiene?And, Why Sustainable Menstruation is Important for Earth.The Speakers for the webinar were Dr. Tanisha Pandit (Founder and President of Ritva Foundation), and Smt. PrekshaPurnam (Vice President of Ritva Foundation). NSS GAME FEST 2020 was celebrated on account of NSS Foundation Day, on 24th of September 2020. Various competitions such as debate competition, open mic competition, speech competition, yoga competition and talent Show competition was conducted. Webinar on "EYE DONATION PLEDGE EVENT" to create awareness about eye donation in society was conducted on 2nd October 2020. The speakers for the webinar were Dr.AnkitaPol,Dr.PoojaSahanjwani , and Dr.NivaRavjiani. This Year, on 31st of October 2020, 64 members of team SAOE NSS took 'Rastriya EktaDiwas Pledge' with the motto of reigniting Late Shri Sardar Patel's Vision and to remind us the actions he undertook to protect and preserve espirit de corps of our motherland. Vigilance awareness week 2020 was conducted on 1st November 2020. On this day team conducted speech competition to commemorate Late Shri Sardar Vallabhbhai Patel's birth anniversary with a vision to spread awareness about corruption and to encourage the youth to collectively participate in fight against Corruption. The NSS activities assist in instilling social, global, and environmental obligations in young

Provide the weblink of the institution
http://cms.sinhgad.edu/sinhgad_engineering_institutes/saoe/about_us.aspx

8.Future Plans of Actions for Next Academic Year

• To motivate the faculty members for enhanced participation in various workshops, seminars and conferences held at national and international level. • To enhance the efforts for increasing number of students getting placed in the aspiring industries • To increase the interaction of the students with the industries through internships and sponsored projects