Yearly Status Report - 2019-2020

<table>
<tr><td colspan="2" align="center">Part A</td></tr>
<tr><td colspan="2">Data of the Institution</td></tr>
<tr><td>1. Name of the Institution</td><td>SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD COLLEGE OF ENGINEERING</td></tr>
<tr><td>Name of the head of the Institution</td><td>DR. S. D. LOKHANDE</td></tr>
<tr><td>Designation</td><td>Principal</td></tr>
<tr><td>Does the Institution function from own campus</td><td>Yes</td></tr>
<tr><td>Phone no/Alternate Phone no.</td><td>02024354705</td></tr>
<tr><td>Mobile no.</td><td>9822335468</td></tr>
<tr><td>Registered Email</td><td>principal.scoe@sinhgad.edu</td></tr>
<tr><td>Alternate Email</td><td>sdlokhande.scoe@sinhgad.edu</td></tr>
<tr><td>Address</td><td>44/1, Vadgaon (Budruk), Off Sinhgad Road</td></tr>
<tr><td>City/Town</td><td>PUNE</td></tr>
<tr><td>State/UT</td><td>Maharashtra</td></tr>
<tr><td>Pincode</td><td>411041</td></tr>
</table>

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. Kalpana S. Joshi**
Phone no/Alternate Phone no.	**02024100183**
Mobile no.	**9881230157**
Registered Email	**hodbiotech.scoe@sinhgad.edu**
Alternate Email	**viceprincipal.scoe@sinhgad.edu**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://cms.sinhgad.edu/scoe/AQAR_REPORT_2018-19.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/sinhgad_engineering_institutes/vadgaon_scoe/iqac.aspx

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.25**	**2017**	**23-Jan-2017**	**22-Jan-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**28-Aug-2017**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
To motivate faculty to	**17-Jun-2019**	**258**

attend workshops, seminars, conferences, symposia and NPTEL courses	365	
To increase number of publications of students	17-Jun-2019 365	188
To increase number of Internships for students	17-Jun-2019 365	555
To increase Value addition programme for students	17-Jun-2019 365	1888
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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
Biotechnology	Major projects	DSTSERB	2020 365	27.72
Biotechnology	Major projects	DHR (ICMR)	2018 730	25
Biotechnology	Sponsored by university	SPPU, BCUD	2018 730	8.27
Chemical	Sponsored by university	SPPU, BCUD	2018 730	1.4
Civil	Sponsored by university	SPPU, BCUD	2018 730	4.4
E&TC	Sponsored by university	SPPU, BCUD	2018 730	7
Mechanical	Sponsored by university	SPPU, BCUD	2018 730	9.3
MBA	Sponsored by university	SPPU, BCUD	2018 730	0.9
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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)

1. Increase in the Value addition programmes for students 2. Increase in the students internship 3. Increase in the number of publications by students 4. Number of workshops, seminars, symposia, conferences, NPTEL courses attended by faculty

[View File]()

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 motivate faculty to attend workshops, seminars, conferences, symposia and NPTEL courses	Total one thousand two hundred ninety programme were attended by the faculty
To increase number of publications of students	Total number of publications are one hundred eighty eight
To increase number of Internships for students	Total internships acquired by students are five hundred and fifty five
To increase Value addition programme for students	Total number of beneficiaries are one thousand eight hundred eighty eight
[View File]()	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
AMC (Academic monitoring committee)	09-Oct-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	29-Feb-2020

17. Does the Institution have Management Information System ?	No

<div align="center">Part B</div>

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

> 1.Academic calendar in line with the academic calendar given by SPPU 2.The class time tables are prepared in such a way that the requirement of the theory and practical subjects and also include the periods for Training and Placement activity. The students submit assignments and lab reports as per the timetable. 3.The faculty members prepare their teaching plan and submit to HoD 4. Syllabus completion review is taken from time to time. 5.Unit tests and prelims conducted 6.Guest lectures, alumni interactions and Industry visits, exposure and career guidance by experts. 7.Regular feedback from students, teachers carried out. AMC takes review of quality teaching, analysis of students better performance and improvements in subject.

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	Nil	-	-

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	Nil	Nill
No file uploaded.		

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
Nill	NIL	Nill

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
Thirty	17/06/2019	1943
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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	Internship	555
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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

The Institute has formal mechanism to obtain feedback from students , Alumni, Parents and Industry. The students' feedback for teachers is based on various parameters like subject knowledge, teaching skills, teaching ethics. It is analysed on a scle of 1 to4. Efforts for improvisations is suggested to faculty members having score less than 2.5 and counseling done by Head of Department and Principal. Feedback from the industry expert is considered and points mentioned by experts are included in syllabus (whenever possible) and value addition programme are conducted for the students. Existence of Alumni Association and regular interaction with Alumni is a prominent feature of the Institute. Alumni during their visit to the department interact with the students and faculty members and update them about the current practices in industry. As a response action by the departments, lab upgradation, certain certification courses, short term trainings for students or participation in various competitions is encouraged. Parents feedback is considered and depending on suggestions corrective measures are taken by the institute. Parents are also satisfied with the Teacher Guardian scheme of the institute.

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	Production Engineering	60	60	13
BE	Information Technology	120	120	139
BE	Mechanical Engineering	300	300	246
BE	Electronics and Telecommuni cation Engg	240	240	249
BE	Computer Engineering	180	180	203
BE	Civil Engineering	180	180	168

BE	Chemical Engineering	60	60	52
BTech	Bio Technology	60	60	38
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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	4822	216	242	22	264

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
244	184	32	51	17	3
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 academic progress of students is monitored by Teacher Guardian scheme in the institute. For a batch of 15 to 20 students, a guardian teacher is appointed to have one to one interaction with the students. TG monitors the attendance and maintains records of academic performance, cocurricular and extracurricular activities of the students. TG conducts biweekly or monthly meetings of the batch to understand and solve academic as well as non-academic problems and guide them for better performance. TG is also in communication with parents and informs them of academic performance and attendance.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5038	264	01:19

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
264	263	1	54	53

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Kalpana S.	Professor	BOS Chairmen for

	Joshi		B. Tech Biotechnology, SPPU
2019	Dr. K. S. Joshi,	Professor	BOS Member Health Science Dept. SPPU 3) Chemical Biotech Board Member, Dept. of Technology SPPU 4) Subject Experts on the Board of Studies(Faculty of Science, Sub Microbiology) of Shri Vile Parle Kelvani Mandal's Mithibai Co
2019	Dr. Ujjwal Mishra	Associate Professor	Silver Medal, July - Aug 2019, Swayam/ NPTEL online certification Ministry of HRD ,Govt of India
2019	Dr Archana Borde	Assistant Professor	NPTEL BELIEVER Jul - Dec 2019 swayam/NPTEL ,Ministry of HRD ,Govt of India
2019	Dr. Avinash Namdeo Sarwade	Associate Professor	GOLD MEDAL for NPTEL Online Certification course Fundamentals of Electrical Engineering , Ministry of HRD, Govt. of India. July to Oct 2019.
2019	Dr. Sambhaji Shivaji Pawar	Assistant Professor	SILVER MEDAL for NPTEL Online Certification course Physics of Materials , Ministry of HRD, Govt. of India. July to Oct 2019.
2019	Mrs. Suvarna Rajendra Madure	Assistant Professor	SILVER MEDAL for NPTEL Online Certification course Bioinorganic Chemistry , Ministry of HRD, Govt. of India. July to Aug.. 2019.
2019	Mrs. Mamata Dinesh Jiwankar	Assistant Professor	GOLD MEDAL for NPTEL Online Certification

| | | | course Bioinorganic Chemistry , Ministry of HRD, Govt. of India. July to Aug.. 2019. |
| 2019 | Ms. Sneha Sunil Jadhav | Assistant Professor | GOLD MEDAL for NPTEL Online Certification course Introduction to Abstract and Linear Algebra , Ministry of HRD, Govt. of India. Aug. to Oct. 2019. |

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	617708210	semester	12/10/2020	31/12/2020
BE	617750710	semester	12/10/2020	11/11/2020
BE	617719110	Semester	12/10/2020	11/11/2020
BE	617724510	semester	12/10/2020	11/11/2020
BE	617737210	Semester	12/10/2020	11/11/2020
BE	617724610	Semester	12/10/2020	11/11/2020
BE	617760610	Semester	12/10/2020	31/12/2020
BE	617761210	Semester	12/10/2020	11/11/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institute is keen on adopting dynamic changes in the evaluation reforms initiated by the University and on its own. It conducts all the SPPU examination as per its schedule. The following major evaluation reforms are initiated by the institution on its own continuous evaluation of students. Mock online examinations, Internal class tests and retests, Mock oral and practical examinations o Prelim examination o Mini project. competition evaluation o Final year UG and PG project mock presentation and evaluation o Project competition and evaluation. Final year end semester exam was conducted in online manner by SPPU.

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

The academic calendar is prepared by the institute in accordance with the Savitribai Phule Pune University (SPPU) academic calendar. The Calendar is made ready before the beginning of the term. SPPU academic calendar provides dates of commencement of teaching and conclusion of teaching, theory Practical/ Oral examination dates and holidays. These are strictly followed in the institute. The calendar also includes the schedule for academic activities like

submissions, internal examinations along with extracurricular activities like workshops, seminars, industrial visits, guest lectures, competitions, value added programs, etc. These are planned and conducted for overall development of students complying to the academic calendar. Academic calendar is available on the website for faculty members, students as well as parents. It is also displayed on notice boards and shared with students to make them aware of the flow of a semester at a glance.

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/sinhgad_engineering_institutes/vadgaon_scoe/iqac.aspx

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
617760610	BE	Production	46	46	100
617761210	BE	Mechanical	341	341	100
617724610	BE	IT	158	156	98.73
617737210	BE	ENTC	285	284	99.65
617724510	BE	Computer	217	214	98.62
617719110	BE	Civil Engineering	192	192	100
617750710	BE	Chemical Engineering	74	71	95.94
617708210	BTech	Biotechnology	55	55	100
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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/sinhgad_engineering_institutes/vadgaon_scoe/iqac.aspx

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	730	BCUD	1.9	0.66
Projects sponsored by the University	730	BCUD	2.3	0.8
Major	730	DHR (ICMR)	25	11

Projects				
Major Projects	365	-DST-SERB	27.72	13.86
Projects sponsored by the University	730	BCUD	1.2	0.42
Projects sponsored by the University	730	BCUD	2.87	1.43
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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
One Week FDP on "Sophisticated Analytical Instruments: Principles and Applications to Chemical And Material Science".	Chemical Engineering	21/07/2020
'Innovation in Agricultural Engineering' an audit course by Mr Narayan Dhanawade , Senior Manager, Kirloscar Oil Engines Ltd Farm Mechanization Department	Mechanical Engineering	05/09/2019
The Seminar in SE Induction program Mr. Santosh Khadasare, Design and Development Engineer, John Deere working on Autonomous Vehicle explained points in 'Innovation in Mechanical Engineering.	Mechanical Engineering	14/08/2019
Sinhgad Alumni Mr. GirishMutha Second Year Orientation Program on The Opportunities of Mechanical Engineering students in Industry.	Mechanical Engineering	14/08/2019
Advances in AI and its Industry Applications	IT	08/02/2020
Java-MySQL	IT	18/09/2019
Haddop Distributed File System	IT	21/09/2019
Awareness of Software Certification	IT	14/01/2020
Advance concepts in compiler design	IT	17/02/2020

Awareness of Cloud Computing Technology and Services	IT	18/02/2020
Mr.Yogiraj Dama, Product Manager, HCL Technologies Ltd, Pune, delivered guest lecture on Design for Manufacturability	Production Engineering	19/07/2019
Mr. Akshay Khirid, Founder Director, Global Diatect, Pune delivered guest lecture on German and Japanese Language Training Program	Production Engineering	23/07/2019
Mr. Ganesh Jadhav, M.D., Quality Management Services delivered guest lecture on ISO Standards	Production Engineering	25/07/2019
Mr. Deepak Soni, Business Development Manager, SPINTA SOLUTIONS delivered guest lecture on Scope, Opportunities and challenges of Production Engineering in Plastic Engineering	Production Engineering	29/07/2019
Mr. Abhiram V. Rajandekar, Buisness Head, United Robotix, Pune delivered guest lecture on Recent Trends in Automation	Production Engineering	29/07/2019
Mr. Abhiram V. Rajandekar, Buisness Head, United Robotix, Pune delivered guest lecture on Scope of Enterpreneurship	Production Engineering	31/07/2019
Mr. Amulya Ratan, Expert GATE Faculty delivered guest lecture on Career Opportunities After Engineerng	Production Engineering	18/09/2019
Mr. Vinayak Bannur, Expert Faculty, M-CAD Training Institutes, Ambegaon, Pune delivered guest lecture on 3D-Printing- As a Additive Manufacturing Technique	Production Engineering	20/09/2019
Mr. Advait Dattatray Athavale, Director, Seema Sales Pvt. Ltd, Pune delivered guest lecture	Production Engineering	21/09/2019

on High Pressure Die Casting and How Can You Be Part of It			
Mr. P. B. Hegde, Welding Consultant, FabTech Engineers Pvt. Ltd. delivered guest lecture on Nondestructive Testing	Production Engineering	05/10/2019
Mr. Mahesh B. Shrimkar, Manager, Maruti Driving School, Business Development, delivered Audit course on Road Safety	Production Engineering	16/10/2019
Mr. N.A. Shinde, Director, Arunoday Enterprises, Kolhapur delivered a Webinar on "Transform your ideas into reality by using 3D printing Technology"	Production Engineering	15/05/2019
Our Alumini, Apoorv Nene delivered a Webinar on " Tool presetter-concept,Benefits and Applications."	Production Engineering	19/05/2019
Micro Analysis of Financial Statements	MBA	16/11/2019
Communication Skill "Run, Jump Fly"	MBA	15/11/2019
Digital Business	MBA	18/11/2019
Workshop on Soft Skill and Interpersonal Skill	MBA	25/11/2019
Workshop on Cyber Security	MBA	11/10/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
-	-	-	Nill	-
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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
SCOE	SCOE ENTC	SELF	GenioBITS Private Limited	edtech startup Software Development Related Field E-Learning Based	16/08/2019

SCOE	SCOE ENTC	SELF	Random Access Protocol	Business, Manufacturing, Skill Development, Education and RD Services in the fields of – Artificial Intelligence, Machine Learning and IOT Product development, Industrial Home Automation App based product	16/01/2020

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Electronics and Telecommunication	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)
National	all	4	4.5

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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
BIOTECH	7
CHEMICAL	11
CIVIL	1
ENTC	3
IT	2

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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	Name of	Title of journal	Year of	Citation Index	Institutional	Number of

Paper	Author		publication		affiliation as mentioned in the publication	citations excluding self citation
Association of EGF A61G polymorphism and EGF expression with type 2 diabetes mellitus in Indian population.	Dr. K. S. Joshi	Gene Reports	2019	Nill	SCOE	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
Recovery of uranium from lean streams by extraction and direct precipitation in microchannels	S.R. Shirsath	Separation and Purification Technology	2019	12	2	Department of Chemical Engineering, Sinhgad College of Engineering, Vadgaon, Pune 411041, India

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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	29	239	124	85
Presented papers	73	Nill	Nill	Nill
Resource persons	8	Nill	3	38

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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	Rotary Club of shaniwarwada and lokmanya nagar	2	6
BLOOD DONATION	SKN Medical Hospital	4	126
Blood Stem cell Donation awareness	Datri Foundation, Pune	3	62
Traffic Management Drive	Vishrambag traffic Division	2	100
Nirmalya Sankalan Activity	Sakal Times, Rotary Club of Shaniwarwada, Pune	2	66
A DRIVE TO INSPIRE ALL	Pune Municipal Corporation	2	100
Awareness Session on Women Hygiene and Menstruation	YUG Foundation, Pune	2	80
BLOOD DONATION DRIVE	Sassoon Govt. Hospital	3	100
Sankalp Vyakhyanmala	Dnyanprabodhini, Pune	2	100
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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 PLANTATION	Appreciation	Rotary Club of shaniwarwada and lokmanya nagar	6
BLOOD DONATION	Appreciation	SKN Medical Hospital	126
Blood Stem cell Donation awareness	Appreciation	Datri Foundation, Pune	62
Traffic Management Drive	Appreciation	Vishrambag traffic Division	100
Nirmalya Sankalan Activity	Appreciation	Sakal Times, Rotary Club of Shaniwarwada, Pune	66
A DRIVE TO INSPIRE ALL	Appreciation	Pune Municipal Corporation	100
Awareness Session on Women Hygiene and Menstruation	Appreciation	YUG Foundation, Pune	80
BLOOD DONATION DRIVE	Appreciation	Sassoon Govt. Hospital	100
Sankalp Vyakhyanmala	Appreciation	Dnyanprabodhini, 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/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NSS	Rotary Club of shaniwarwada and lokmanyanagar (organised)	Tree Plantation	1	3
NSS	SKN Medical Hospital	Blood Donation	1	3
NSS	Datri Foundation, Pune	Blood Stem cell Donation awareness Program	1	3
NSS	Vishrambag traffic Division	Traffic Management Drive	1	3
NSS	Sakal Times, Rotary Club of Shaniwarwada, Pune	NirmalyaSankalan Activity	1	3
NSS	Pune Municipal Corporation	A Drive to inspire all	1	3
NSS	YUG Foundation, Pune	Awareness Session on Women Hygiene and Menstruation	1	3
NSS	Sassoon Govt. Hospital	Blood donation Drive	1	3
NSS	Sinhgad Technical Education Society	Sinhgad fort cleaning	1	3
NSS	Dnyanprabodhini, Pune	Sankalp Vyakhyanmala	1	3
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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
BE Project Synthesis of Silver Nanoparticles from Plant Extract	Sanket Yeola Sarvesh Zoldeo	BCUD, SPPU Pune	365
BE Project Bio-Diesel From Free Fatty Acids	Gaurav Patil Sanket Patni	Amusavi MTC. Pvt. Ltd., Pune	365

BE Projec Neutralization of Phenol From WasteWater By Using	Aparna Waghmare Shubham Teli	YCS Technologies Pvt. Ltd., Pune	365
Reaction Scheme Design For Production of Hydrogen Using Steam Reformer	Riya Deshpande Atharva Bibikar	NCL, Pune	365
BE Project Design of Heat Exchanger Network ForSteam Condensate Recovery Unit	Tanmay Kulkarni Sachet Madgaonkar	Urja Disha Boiler Technologies, Pune	365
BE Project Large Scale Synthesis Characterization of Semicarbazone	Dyandevi Deorukhkar Harsh Sant	DIAT, Pune	365
BE Project separation of Ethanol Water Mixture Via Nanoparticles	Aashay Brahme Naina Lamba	DIAT, Pune	365
BE Project Design of Scrubbing System For Hydrofluoric Acid Fumes	Himani Patel Prem Kedari	Trans Tech Projects Pvt. Ltd, Pune	365
BE project Numerical Modelling of Stilling Basin Type of Energy Dissipator for Downstream Water Profile	Pramod Gandugade Manisha Auti Rajvardhan Patil Deep Surve	CWPRS, Pune	365
BE project Perforamnce of spillway ski jump bucket for fluctuating tailwater levels	Sanjay Khandare Kunal krishna More Prathmesh Ligade Anuja Kondhalkar	CWPRS, Pune	365
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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
Sponsored	Numerical Modelling of Stilling	CWPRS, Pune	01/08/2019	30/05/2020	04

Sponsored project	Bio-Diesel From Free Fatty Acids	Amusavi MTC. Pvt. Ltd., Pune	01/07/2019	10/06/2020	02

Basin Type of Energy Dissipator for Downstream Water Profile

View File

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
AnaDigi Corporation, Pune	26/06/2019	To conduct trainings on Employability skills in the field of ML/DL/AI Seminars were conducted to motivate students to develop their skills	4
Dhanandip Automation, Pune	01/08/2020	To work with institution to help align the college curriculum to the industry requirements in the automation domain Seminars were conducted to motivate students to develop their skills	4

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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
6423000	5884396

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
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing

No file uploaded.

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
SLIM21	Partially	2.9.21Web Version	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	51378	19358170	56	28514	51434	19386684
Reference Books	4747	10006922	33	143259	4780	10150181
e-Books	2570	Nill	150	Nill	2720	Nill
Journals	131	136000	Nill	Nill	131	136000
e-Journals	3300	Nill	Nill	Nill	3300	Nill
Digital Database	1	740680	1	740680	2	1481360
CD & Video	1345	Nill	Nill	Nill	1345	Nill
Library Automation	Nill	Nill	Nill	Nill	Nill	Nill
Weeding (hard & soft)	2997	370224	Nill	Nill	2997	370224
Others(specify)	Nill	Nill	Nill	Nill	Nill	Nill

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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	Nill

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co	Computer	Internet	Browsing	Computer	Office	Departme	Available	Others

	mputers	Lab		centers	Centers		nts	Bandwidth (MBPS/ GBPS)	
Existing	1060	77	0	0	0	0	9	14	0
Added	10	0	0	0	0	0	0	0	0
Total	1070	77	0	0	0	0	9	14	0

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

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48 MBPS/ GBPS

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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	Nill

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
6666350	4719202	1950000	2059513

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)

Class Rooms, Seminar hall and tutorial rooms: All these rooms are cleaned by departmental peon and this activity is monitored by departmental technical assistant. Laboratories: Faculty incharge technical assistant look after the maintenance of each laboratory. The funds available from the budget head is used to repair of any breakdown item. When new purchase is to be made, then faculty in charge proposes the annual requirement and provisions for the same are accordingly in the budget. For consumable items, budget is prepared by staff in charge and technical assistant. Equipment: Preventive maintenance schedule is prepared by the faculty in charge maintenance is carried out regularly as per schedule and this activity is monitored by staff incharge. Computers: All the computers and peripherals are checked by faculty in charge and technical assistant for any problems once in a semester before beginning of the academics. Any maintenance activity, if required is carried out and required consumables are purchased. Maintenance activates and consumables purchased are entered in the respective dead stock registers. Central library: The Central Library of the institute is well maintained and each section in it is taken care by an assigned person for cleanliness. Electric fittings, equipment like photocopy machine, computers, printers, scanners are given for maintenance from time to time. Old machines are send to scrap with set procedure of the institute. Book Stacks are thoroughly cleaned once in a week. The books are weed out as per the norms and procedure laid down by the society. The book binding is done to keep them in condition of use. The stock verification is done as a part of regular maintenance Departmental library: Faculty members of the dept. can borrow the books from dept. library students in their free time can make use of the books available in the department. Civil maintenance: It is looked after by estate office for minor maintenance work and through civil contractor for major maintenance. Hostel maintenance: It is carried out by two different teams of housekeeping staff separately for girls'

hostel and boys' hostel. Mess maintenance : A committee of faculty members and students is formed to look after the quality of food and hygienic in the mess. Garden maintenance: is looked after by gardening staff under the supervision of estate office. Pest control is carried in the hostels at regular intervals by external agency under the supervision of hostel warden

http://cms.sinhgad.edu/sinhgad_engineering_institutes/vadgaon_scoe/iqac.aspx

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	Earn and Learn	56	380430
Financial Support from Other Sources			
a) National	SC,ST,NTVJ,SBB,OBC,EBC, STATE CENTRAL MINORITY,HANDICAPED,DR. PANJABRAO HOSTEL	3564	211409139
b)International	0	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Barclays GTT	03/07/2019	104	Barclays
Personal counseling and mentoring TG batch	29/07/2019	4200	Faculty from dept
Remedial coaching	21/10/2019	2167	Faculty from dept
STP1, STP3, STP5	29/07/2019	3145	Faculty from dept
STP2, STP4	06/01/2020	1976	Faculty from dept
Bridge course BAHA, Hyperion, STES racing, FSAE, Aerometrix, TIFAN, Aerobots, PCERF, IIT Techfest	13/01/2020	94	IndianInstitute of Bridge Engg.
Soft skills, ANSYS, UGNX, optimization	20/01/2020	360	Faculty from dept, CADD Centre
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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	Number of benefited students by	Number of students who have passedin	Number of studentsp placed

		competitive examination	career counseling activities	the comp. exam	
2019	Guest lecture by Er. Onkar Shendure (Assistant Executive Engineer, Water resource department, Government of Maharashatra) on Competitive examination and its preparation.	240	240	8	8
2019	Guest Lecture by Imperial Institute of Excellence for GATE Coaching - I2E, Pune , Jamboree Education GMAT Coaching classes	123	123	6	6
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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
12	12	3

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
ICICI Bank, Atos Syntel, FIS Solutions, Applications Software Technology, Principal	765	342	Just Dial, Sopra Steria, Simeio Solutions, Mondelez Foods Pvt. Ltd., TCS,	310	59

Global Services, State Street HCL, E Services, TCS, ICICI Prudential			Lear Automotives, Dominix Strategic Design 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
2019	17	Civil	Civil	The University of Auckland, New Zealand	Construction Management
2019	23	ENTC	ENTC	Drexel University, USA	MS in Business Analytics
2019	58	Mech	Mech	University of south Florida, USA, Gerorgia State University, USA	MS
2019	13	It	It	New York University, Texas,Hult International Business School,North Eastern University,RMIT University,Brisbane, Santa Clara University,	MS in MIS, Data Science,
2019	3	Biotech	Biotech	Upsala University sweden	MS in Biotechnology

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

Items	Number of students selected/ qualifying
GATE	59
CAT	13
GRE	68
Civil Services	3

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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 3	State	142
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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
2019	Swimming Water polo, 50 mtr Backstroke 100 mtr Backstroke	National	1	Nill	71812874F	Yukta Bhurke
2019	"Vollyball-COEP tournament-Zest Sinhgad Karandak Symbiosis open tournament"	National	1	Nill	71813760E	Siddhi Ranbhor
2019	"Vollyball-COEP tournament-Zest Sinhgad Karandak Symbiosis open tournament"	National	1	Nill	71813760E	Asmita Lagwankar
2019	Cultural-"Mangalya" P.E.S Modern institute of Business management, Pune	National	Nill	1	71813217D	Dipeeka Jambhulkar
2019	Co-curricular Desire2020-National level SIEM Techfest	National	Nill	1	Nill	Rushikesh Sangale

2019	Firodiya karandak	National	Nill	1	Nill	Shardul Nimbalkar
2019	Co-curri cular Rotary water Olympiad 2020	National	Nill	1	Nill	Sailee Dilip Redekar Rohan Patil
2019	1)Fashion Show organized by Symbiosis Institute of Design ,2020	National	Nill	1	Nill	Neha Sonawane Srushti Sagar Gosavi
2019	2) Neon Karandak 2020	National	Nill	1	Nill	Pratiksha Shyam Goyal Yamini Khodaskar
2019	GUSTO 2020, Organized by Indira college of commerce and science	National	Nill	1	Nill	Rishikesh Amar Valvi Gauri Atul Thombare

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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)

Sinhgad Students Council has organized one week workshop for inter-college students on Antenna Thinking 3.0 in collabaration with Zin-Zout Technology in Sept. 2019. Total 27 stdents have taken knowledge of designing, implantation and testing of varity of antennas. IEEE Student Chapter conducted seminar on PLC Automation by Vaibhav Dasture, Dhanandip Automation on 20/9/2019 for T. E. B.E. Students . Workshop on Project Building through Case Studies was organised for T. E. Students. Speaker was Navjyot Sukhmani, Our Alumni on 12/7/2019. Competition C Code Byte for S.E. Students was organised on 17/9/2019. Total 46 students participated. For T.E. Students Mechatronics case study Competition was organised from 7/10/2019 to 11/10/2019. Total 109 students were participated. Chairman of SSC are Sachin Gurav from T.E., Co Chairman is Digvijay Kumar. Treasurer is Anjali Sharma. For IEEE Student chapter Chairman is Rohit Kothawale, Co chairman is Anjali Banwar, Secretary is Rutuja Jagdale and treasurer is Siddhant Dahatonde. All StudentS are from T. E. (E TC). Sinhgad Students Council departmental committee actively participates in every event conducted by department like conferences, workshops etc. Also, some members are assciated with central commitee in planning and organiization of grand event like Sinhgad Karandak. Various activities are conducted for FE students by Social Welfare Club under Sinhgad Student Counil Such as, workshop on Power of habits and Art of Smart Work, Seminars by SWC alumni on Mind

Management, Gratitude, Positive thinking, Self assesment tests in FE Induction Program, Stress to Smile , Art of effective Studies etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The college has started Alumni Association on Dec. 06, 2003. The registration number of the Association is "Maharashtra / 1494 / 2003 / Pune / Dec. 06, 2003. The alumni association of Sinhgad College Engineering has grown up to 14,000 plus members by the end of the year 2020. The alumni association activities are coordinated by the faculty members from each department in coordination with the Central Alumni coordinator and Principal. The objectives of the association are to carry out smooth functioning of yearly alumni meet, maintain the records of the alumni association, number of alumni, entrepreneur, prominent/star alumni, events organized under alumni association, and live alumni details, etc. The alumni associations make contact with the prominent alumina and connect with their freshly joined alumina and arrange currier guidance programs. Also, the association prepares and distributes a reminiscence booklet yearly to encourage the Alumni for starting their own startup with the help incubation center.

5.4.2 – No. of enrolled Alumni:

3458

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Organized Alumni Meet on 29 Feb. 2020. The organized guest lecture which was delivered by 2009 batch Alumni Mr. Vivek Chintal on 18.09.2019 for TE students on the topic of Employability Skills. Arranged Guest lecture of Alumni student Mr.Vedang Kulkarni on the topic JAVA MYSQL. Aumni student address in F.E Induction Program.

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)

College promotes participative management. The college constitutes committees for general and academic development which includes faculty, non-teaching staff and students' participation and decision making processes. These Committees are formed in the College as per the directives of the Governing Body playing an important role in various institutional functions. Regular meetings of these committees are held for the effective and smooth functioning of the college. The innovative ideas, concepts and thoughts from the different committee members are appreciated and due care is taken to implement those. There are three levels of administrative structure under which all the activities of the institute are carried out. Eg.Admission Committee and Purchase Committee includes members from Management, HODs and Faculty members. STES The management of the College rests with its Governing Body, whose members, are appointed in accordance with the guidelines provided by the Director of Technical Education, Savitribai Phule Pune University and AICTE. Institute All the main decisions related to the institute are taken by the Principal in consultations with the department Heads. Principal is the academic and administrative head of the Institute and the Member Secretary of the Governing Body. Department The Heads

of Department are responsible for the day to day administration of the Department and report directly to the Principal. Departments have committees like Academic monitoring and Research and Projects. Bio-Safety committee, College has Ethics and IC-SCR committee. Grievance redressal, Internal Complaint Committee

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

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	All the departments of the institute make an effort to enrich the curriculum in the form of content beyond syllabus and enhance the experiences of the students by coping with the rapidly changing technological innovations in industry. In addition, the departments conduct industrial visits, site visits, sponsored projects, AMCAT test, technical events and Student Training Programs.
Teaching and Learning	A central Academic Monitoring Mechanism evaluates the activities of the departments. A regular review of the departments is taken through this mechanism.
Examination and Evaluation	The evaluation of the students is a continuous process and is based on their performance in the examination. The following major evaluation reforms are initiated by the institution on its own continuous evaluation of students 1. Mock online examination 2. Internal class tests and retests 3. Mock oral and practical examinations 4. Prelim examination 5. Mini project Competition evaluation 6. Final year UG and PG project mock presentation and evaluation 7. Project competition and evaluation
Research and Development	Research Coordination Committee to help faculty members to submit and carry out research and consultancy projects
Library, ICT and Physical Infrastructure / Instrumentation	All theory class ,tutorial rooms,laboratories are equipped with tube lights, fans,benches Class rooms with LCDs. All faculties have separate cabins for seating and internet connectivity.Wi-fi is also available in Building.Each department also has its own library

Industry Interaction / Collaboration	A good industry-institute interaction exists in the institute. To further strengthen it, the institute has developed Industry Institute Interaction Cell that aims to Have more number of industry sponsored projects, consultancy projects, Industry visits,teachers training and guest lectures by industry experts.
Admission of Students	Admission committee is formed at college level for co-ordination of admission related activities.

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

E-governace area	Details
Nill	-

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.Aditi.K. Diwan	STTP on Chemistry and Engineering Aspects of Water Remediation at College of Engineering Pune.	-	1500
2019	S. H. Shaikh	Data Science	NPTEL	500
2019	S. H. Shaikh	NPTEL on The Joy of Computing with python	NPTEL	500
2019	D. N. Patil	NPTEL on The Joy of Computing with python	NPTEL	500
2019	G.G.Chiddarwar	NPTEL on The Joy of Computing with python	NPTEL	500
2019	Dr.S.O.Rajankar	NPTEL Online FDP on Control System	NPTEL	600
2019	Prof. Y.D. Chincholkar	NPTEL Online FDP on Modern Digital Communication	NPTEL	550

2019	Prof. P.M.Dahale	MATLAB Workshop at SKNCOE	-	1500

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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	Train the trainer (TTT)	-	16/12/2019	18/12/2019	9	Nill
2019	One Week FDP on "Sophisticated Analytical Instruments: Principles and Applications to Chemical And Material Science".	-	21/07/2020	25/07/2020	300	Nill
2019	Train the trainers(TTT) for TE	-	16/12/2019	18/12/2019	18	Nill
2019	One week FDP on Scilab in association with Spoken Tutorial, IIT Bombay, SCOE,Pune	-	29/04/2020	04/05/2020	12	Nill
2019	One week STTP on "eSim" in association with Spoken Tutorial Program, IIT	-	11/05/2020	17/05/2020	2	Nill

	Bombay.					
2019	Workshop on Parenting for Youngsters	-	05/09/2019	05/09/2019	50	Nill
2019	Lean Six Sigma -Yellow Belt-	-	16/10/2019	18/10/2019	87	Nill
2019	NX-CAD Basic	-	15/07/2019	15/07/2019	20	Nill
2019	One Week FDP on Moodle in association with IIT Bombay	-	04/05/2020	08/05/2020	300	Nill
2019	One Week FDP on Latex in a ssociation with IIT Bombay	-	27/04/2020	01/05/2020	200	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
STTP,FDP,Work shop,Seminar	262	01/07/2019	30/06/2020	365

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
262	262	57	57

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
262	295	3193

6.4 – Financial Management and Resource Mobilization

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

The institute ensures an internal and external audit of all its accounts. Internal audit is done two times in a year. A committee of internal auditors comprising of 3 4 accountants from STES visit the institute. External audit is done once in a year. Queries in the audit will be reported to Principal and within one month, the queries need to be complied. During the internal

financial audit, auditors raise objections related to finance and stock related records, giving an opportunity to the College to address and rectify the same. They also give necessary guidance for improvement in account maintenance. These measures ensure no further discrepancies in the records that can be objected to by the external auditors.

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	0

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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	National Board of Accreditation (NBA)	Yes	Academic Monitoring Committee (AMC)
Administrative	No	Nill	Yes	Internal STES Committee

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

NA

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

1. Support staff are given opportunity for higher education like M. E, Ph.D 2. Soft skills 3. Computer literacy 4.Support staff are encouraged to attend the training programs.

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

Entrepreneurship Development Cell Industry Institute Interaction Cell Admission Committee

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Arranged guest lecture on	14/02/2020	14/02/2020	14/02/2020	25

	Flow Cytometry by Dr. HemantAgarwal				
2019	Workshop on Molecular Biology Techniques, Dr. Shrikant Pawar	11/03/2020	11/03/2020	11/03/2020	25
2019	Seminar by Self Development by Mr.Kohli Motivational Speaker	26/12/2019	26/12/2019	26/12/2019	138
2019	Seminar on PLC and Automation by Dhannadip Automation ,Pune	20/09/2019	20/09/2019	20/09/2019	85
2019	Workshop on project building through case studies	12/07/2019	12/07/2019	12/07/2019	96
2019	Guest lecture by Imperial Institute of excellence GATE Coaching-I2E,Pune	28/01/2020	28/01/2020	28/01/2020	48
2019	Jamboree Education GMAT Coaching	29/01/2020	29/01/2020	29/01/2020	45
2019	Microsoft ATS Pvt.Ltd	14/01/2020	14/01/2020	14/01/2020	75
2019	Lean Six Sigma –Yellow Belt	16/10/2019	16/10/2019	17/10/2019	87
2019	NX-CAD Basic	15/07/2019	15/07/2019	15/07/2019	20
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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	Period from	Period To	Number of Participants

programme				
			Female	Male
Bhasha Ani Vidnyan Din	**28/02/2020**	**28/02/2020**	**60**	**40**

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
The faculty members motivate the UG , PG students to carry out projects and activities related to Environmental Conservation. Few of such projects and activities have been listed below- Bio-Diesel From Free Fatty Acids,Green Propel lent Synthesis Characterization,Production of Fuel Oil From Waste Plastic,Production of Alcohol From Potato Waste,Waste Water Treatment Using Tea Waste,Lactic acid production from sugar molasses

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	**Yes**	**5**
Ramp/Rails	**Yes**	**5**
Rest Rooms	**Yes**	**5**
Scribes for examination	**Yes**	**5**

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	**1**	**1**	**24/06/2019**	**53**	**First Year Engineering Admission Facilitation Center**	**Submission of Application**	**450**
2019	**1**	**1**	**10/07/2019**	**44**	**Direct Second Year Engineering Admission Facilitation Center**	**Submission of Application**	**350**
2019	**1**	**1**	**08/07/2019**	**43**	**Master of Engineering Admission Facilitation ion Center**	**Submission of Application**	**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)
Handbook on Professional Ethics Human Values	17/06/2019	Some of the Code of conduct (Service Rules) are as follows 1. Teachers should conduct the theory and Practical courses as per syllabus. 2. Teachers must report so as to obligation according to the working hours recommended and ought to be accessible in the grounds except if and else they are relegated obligations somewhere else. 3. Staff individuals are urged to compose course readings, distribute articles in peer reviewed UGC CARE list reputed Journals and present papers in Seminars and Conferences. 4. Infringement or nonrecognition of the administration rules will welcome discipline either as reprimand or delay of addition or suspension or end from administration after a due enquiry at the attentiveness of the administration. 5. The Management advances to all staff individuals to fill in as a group in establishment building and in redesigning our foundation into one of Excellence in Higher Learning.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Nine Activities conducted for promotion of universal Values and Ethics	08/08/2019	20/08/2019	627

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

Sinhgad Institutes are known for their green grounds. Greener practices are a vital aspect of our day today exercises. Organization has a wastewater

treatment plant. Treated wastewater is utilized for cultivating reason, along these lines lessening the reliance on new wat ? Establishment of water sparing washers, aerators are polished at numerous spots. ? Inculcating electricity conservation culture among st students and faculty members? Paperless office correspondence at every possible opportunity, utilization of one side writing material for printing, hence diminishing antagonistic ecological effect are consistently rehearsed. ? Employees are urged to work on carpooling.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

The institute is nurturing holistic development of students and teachers by imbibing a unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity technology transfer. This can be only achieved by adopting innovative technologies and methods to be at par with the global scenario. Earlier person dependent process created too many hurdles in accomplishing targeted work in time. To assign a common task to group of faculties / students was a hectic task for the coordinator. Assigning online work and shared docs eased out these things to a large extent. It omits person dependency in assigning work, collection of data and monitoring of overall progress. Innovative techniques are adopted for excellence in overall management of academic administrative activities with the objectives as listed below: · To use audio-visual aids for better and organized delivery of contents through K-Point which is a content management software. · To refine the mechanism of operations in the library for effective utilization of the facility. · To comprise paperless and hassle free work by incorporating ERP in the routine working of the institution. · To use rapid and shared Inter communication using Google documentations · To monitor continuous academic performance through practice sessions and mock online exams using exam portal. Feedback System: For further enhancement and evaluation the User Feedback System to collect the feedback from students. An exit interview is also conducted for faculty when he or she leaves the institution. Institutional Repository is maintained which is a database of Syllabus, Exam Question Papers, College magazine, faculty publication are available through LAN at all departments. All above practices bring out smoothness in working process. The targeted work is completed most of the time, on or before deadline. Members involved in this process need to be very proactive which in turn grooms their overall personality. All sorts of data related to departments, institute and university etc is available at finger tips and it can be used seamlessly in various reports pertaining to LMC, AICTE, DTE, NBA, and NAAC reports. K-Point recorded e-lectures help students for preparation of competitive exams like GATE, PSU etc. The web access of library facilities equips students with contemporary issues pertaining to academic development. STP: Another best practice adopted by the college is Student Training Program – The prime focus is academic excellence of students and to equip them for employment. STP is an initiative to bridge the gap between curriculum and industry requirements for employ ability. In depth indicators of the selection process revealed some lacunae which are addressed in the STP. The STP was planned with certain objectives to be addressed on priority basis for the student fraternity. They are as mentioned below: · To enhance the employ ability opportunity, with development of Analytical, Technical, Communication and Presentation skills. · To develop decisiveness, Pro activeness, leadership and management skills in students. · Prepare students for entrepreneurship and help students flourish their potential. · Prepare students for higher education in India as well as Abroad. For conduction of STP, it was incorporated as an integral part of the curriculum to help, prepare and evaluate the students in technical and non-technical skills. These interactive sessions help students learn and revisit concepts discussed in class. The step-wise schedule planned is as follows: - In

first year, students are introduced to the STP program and motivational lectures are conducted to encourage students for active participation. - In the second year, initially focus is on Non-technical skills. Students are trained through the activities like presentation, Reading and Technical writing, formal and Informal group discussions and team building. Non-technical sessions also include activities to help students develop behavioral skills, listening skills, stress Management, perform SWOT analysis and do goal setting. - In third year focus is to lay concrete technical foundation. Technical sessions are designed in a fashion to cover Revision of the core subjects, Quizzes and Challenging assignments, Questions Bank for the preparation of Competitive exams etc. This is to ensure and enhance the technical competency of the students. - Value addition and advanced technical courses are covered in the final year. These modules help students to enhance skills for Project development and to cater to the industry requirements. - All the modules of STP program are aimed and tailored to cover the industry requirements as well as to provide acquaintance with State-of-the-art-technologies. Experts from the varied domains are invited to conduct the session and also to provide industry exposure to the students. A good blend of class room and hands on training is provided by expert faculty. - Student's performance is assessed with online tests like AMCAT, Quantitative Aptitude and Logical Reasoning Tests etc. - In final year students have to undergo an Employ ability test to prove their reasoning abilities, thus guaranteeing direct access to a dream job. The outcomes of Student training program are enlisted below: · Student's technical foundation becomes strong. · Active participation in every program helps them to build confidence, communication and presentation skill. · Students find themselves prepared/equipped for the placement activities. Rather program are oriented towards the empowerment of the students. · Students with AMCAT score have an added advantage for an employment. · The end assessment results of every AMCAT module showed an upsurge in the performance and maturity of the student. · Strong foundation and enhanced technical skill help students grab good opportunities. · Students are ready to take the entrepreneurial challenges. Through these initiatives of best practices the institute focuses on the all-round development of the students for social, cultural and economic wellbeing of our nation at large.

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/sinhgad_engineering_institutes/vadgaon_scoe/about.aspx

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

Sinhgad College of Engineering, Pune is an affiliated College to Savitribai Phule Pune University. As an affiliated College, it has to follow the norms laid down by the University in most of the areas of academic development. The College is nurturing holistic development of students and teachers by imbibing a unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity technology transfer. This can be only achieved by adopting innovative technologies and methods to be at par with the global scenario. In current pandemic of COVID-19 Sinhgad College seamlessly adopted online teaching learning Microsoft Teams platform. All faculties and students are initially trained and now it is effectively used. Timetable, assignment , grading , Quiz , E-Contents etc are shared and evaluated on Microsoft Teams. Earlier person dependent process created too many hurdles in accomplishing targeted work in time. To assign a common task to group of faculties / students was a hectic task for the coordinator. Assigning online work and shared docs eased out these things to a large extent. It omits

person dependency in assigning work, collection of data and monitoring of overall progress. Innovative techniques are adopted for excellence in overall management of academic administrative activities with the objectives as listed below: • To use audio-visual aids for better and organized delivery of contents through K-Point which is a content management software. • To refine the mechanism of operations in the library for effective utilization of the facility. • To comprise paperless and hassle free work by incorporating ERP in the routine working of the institution. • To use rapid and shared Inter communication using Google documentations • To monitor continuous academic performance through practice sessions and mock online exams using exam portal. For the academic development some pioneering practices like K-point, ERP and Google Docs are followed in the institute. The institute has state of art infrastructural facilities in all departments for engineering research and development. The annual research paper publications of faculty and students reflect the facilities availability. The faculty of the institute continuously strives for imparting technical and soft skill knowledge to the students to make them employable at the time of campus recruitment by industry. Students heartily participate in NSS/social activities like blood donation camps, field camps etc. Thus , overall work is inline with Vision and Mission of Sinhgad College of Engineering to create Best engineers and Best Humans.

Provide the weblink of the institution
http://cms.sinhgad.edu/sinhgad_engineering_institutes/vadgaon_scoe/about.aspx

8.Future Plans of Actions for Next Academic Year

To encourage faculty and students to undertake online courses such as MOOC, NPTEL, Coursera, etc 2. To increase Industry-Institute Interactions- MOUs and collaborations 3. Increase in quality publications and patents