



Yearly Status Report - 2018-2019

Part A

Data of the Institution

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

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/MHCOGN.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes, whether it is uploaded in the institutional website: Weblink :		http://cms.sinhgad.edu/scoe/academic-calendar %20scoe 18 19.pdf			
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			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		
Students Training Program	01-Jun-2018 3		2000		

Value Addition Programs	03-Sep-2018 3	2479
Students participation in national, international competition	01-Jul-2018 12	160
Feedback from stake holders	24-Jun-2019 12	3000
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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
MBA	Research	SPPU-BCUD	2016 3	125000
MECHANICAL	RESEARCH	SPPU-BCUD	2016 3	1180000
BIOTECHNOLOGY	RESEARCH	DHR	2016 2	2217600
BIOTECHNOLOGY	RESEARCH	SERB	2016 2	2029940
SCOE	MODROB	AICTE	2017 2	145000
SCOE	Adjunct faculty	AICTE	2017 1	600000
Biotechnology	Research	SPPU-BCUD	2016 3	490900
Chemical	Research	SPPU-BCUD	2017 2	240000
Civil	Research	SPPU-BCUD	2016 3	440000
Computer	Research	SPPU-BCUD	2016 3	566500
E&TC	Research	SPPU-BCUD	2016 3	1120000
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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

Yes

website													
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.Students Training Program for betterment of placement 2.Value Addition Program for final year students 3.Students participation in national, international competition. 4. Stakeholders feed back													
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													
<table border="1"> <thead> <tr> <th>Plan of Action</th> <th>Achivements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>Students Training Program</td> <td>Planned and implemented</td> </tr> <tr> <td>Regular meeting of Internal Quality Assurance Cell (IQAC) timely submission of Annual Quality Assurance Report (AQAR) to NAAC</td> <td>Review of activities and compilation of data for AQAR submission</td> </tr> <tr> <td>Stakeholders feed back</td> <td>Feedback reviewed</td> </tr> <tr> <td>Value Addition Program for final year students</td> <td>Thirty Value Addition Programs across nine disciplines were conducted to benefit</td> </tr> <tr> <td colspan="2" style="text-align: center;">View File</td> </tr> </tbody> </table>		Plan of Action	Achivements/Outcomes	Students Training Program	Planned and implemented	Regular meeting of Internal Quality Assurance Cell (IQAC) timely submission of Annual Quality Assurance Report (AQAR) to NAAC	Review of activities and compilation of data for AQAR submission	Stakeholders feed back	Feedback reviewed	Value Addition Program for final year students	Thirty Value Addition Programs across nine disciplines were conducted to benefit	View File	
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View File													
14. Whether AQAR was placed before statutory body ?	Yes												
<table border="1"> <thead> <tr> <th>Name of Statutory Body</th> <th>Meeting Date</th> </tr> </thead> <tbody> <tr> <td>Academic Monitoring Committee (AMC)</td> <td>30-Apr-2019</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Academic Monitoring Committee (AMC)	30-Apr-2019								
Name of Statutory Body	Meeting Date												
Academic Monitoring Committee (AMC)	30-Apr-2019												
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	2018												

Date of Submission	11-Jan-2018
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

1. Academic calendar in line with the academic calendar given by SPPU is prepared before the beginning of the term. 2. The class time tables are prepared in such a way that the required number of periods are assigned for the theory and practical subjects and also include the periods for students training program (STP) and Training and Placement activity. The students submit assignments, seminar reports, reviews and project reports as per the timetable. 3. The faculty members prepare their teaching plan based on syllabus. 4. Syllabus completion review is taken from time to time. 5. Unit tests, prelims and mid-term submissions are planned in advance. 6. Guest lectures, alumni interactions and Industry visits are arranged to give more technical exposure and career guidance. 7. Regular feedback from students, teachers and stakeholders is routinely carried out. AMC takes review of quality teaching, analysis of student feedback, and gives guidelines for better performance and improvements in subject delivery of faculty.

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
Certification Programme in Business Analysis		11/09/2018	2	Employability	Analysis

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
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	73	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
HVAC	27/08/2018	71
Three days workshop USP's to achieve professional excellence	20/08/2018	64
Certification course in Business Analysis	26/09/2018	36
ISTD sponsored One Day workshop on Campus to Corporate	25/01/2019	42
In association with AMTC Lean Six Sigma Green Belt Course Certification Program	29/08/2018	53
In association with AMTC Lean Six Sigma Green Belt Course Certification Program	05/09/2018	50
In association with AMTC Lean Six Sigma Green Belt Course Certification Program	12/11/2019	54
Half day workshop on Self Introduction and Resume Writin	12/02/2019	54
Workshop on Advanced MS Excel	12/03/2019	25
Workshop on Gender Equality	19/03/2019	98
Workshop On Design your Career	15/02/2019	178
Hands on Training in Molecular Biology Techniques	10/09/2018	44
Basic Process Engineering Programme	27/08/2018	67
Documentation for Civil projects	20/09/2018	60
Advance Concrete Mix Design	23/08/2018	61
TEKLA structures	23/08/2018	60
Introduction to ETABS, SAFE and Staad.Pro	08/04/2019	8
Workshop on advanced building products	21/02/2019	60
Seminar on MS Excel	22/02/2019	20
PCB Design Workshop	06/09/2019	210

Workshop on Sensor and Module Interfacing using Microcontroller	04/02/2019	81
Python and R Programming	27/08/2019	108
Big Data Analytics using Hadoop and R Programming	19/03/2019	120
Computer Graphics and OpenGL Programming	19/03/2019	100
One Day Workshop on Middleware Technology	19/03/2019	157
Project Design Using MYSQL and Java	18/09/2018	160
CAE Training (SoftwareHypermesh)	23/08/2018	26
Student Training Program I	15/06/2018	346
Student Training Program II	17/12/2018	346
Student Training Program III	15/06/2018	320
Student Training Program IV	17/12/2018	320
GDT	27/08/2018	88
Lean Manufacturing	27/08/2018	77
ANSYS	27/08/2018	77
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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	452
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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 and other stakeholders like Final Year students (Exit survey), Alumni, Parents and Industry. It has a well designed feedback form with defined criteria to get feedback from each category of stakeholder. A Course Feedback on curriculum and

examination/evaluation pattern is taken from students periodically. The Alumni feedback is taken for revising the pedagogy and including the concepts as per industry requirement. The Parent Feedback Form is used to know their opinion about Institute, Infrastructure, Professional expectations. Students Exit Survey Form is designed to know the fulfillment of their educational goals. The Industry Institute Interaction form is used to understand and bridge the gap between the institute and industry. The summary based on the feedback is used for the corrective measures such as improvement in teaching, conducting Value Addition Programs for industry requirements as well as revision of syllabus at University through faculty to BOS.

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
BTech	Biotechnology	60	60	31
BE	Civil Engineering	180	180	169
BE	Computer Engineering	180	187	187
BE	Information Technology	120	120	114
BE	Electronics and Telecommunication Engg	240	240	187
BE	Chemical Engineering	60	60	37
BE	Production Engineering	60	60	17
BE	Mechanical Engineering	300	300	247

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	5028	318	230	30	268

2.3 – Teaching - Learning Process

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

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

244	201	32	32	15	3
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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 nonacademic 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
5346	268	1:20

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
253	246	7	71	49

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. K. S. Joshi	Professor	BOS Chairmen for dept. Of 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	NPTEL Funded by the Ministry of HRD, Govt. of India
2019	Dr. Mamta Mishra	Professor	NPTEL Funded by the Ministry of HRD, Govt. of India

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	617708210	Semester	27/05/2019	10/03/2019
BE	617719110	Semester	27/05/2019	01/02/2019
BE	617724510	Semester	27/05/2019	01/02/2019
BE	617724610	Semester	27/05/2019	01/02/2019
BE	617737210	Semester	27/05/2019	01/02/2019
BE	617750710	Semester	27/05/2019	01/02/2019
BE	617760610	Semester	27/05/2019	10/03/2019
BE	617761210	Semester	27/05/2019	01/02/2019

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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 in 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 o Mock online examination o Internal class tests and retests o Mock oral and practical examinations o Prelim examination o Mini project competitionevaluation o Final year UG and PG project mock presentation and evaluation o Project competition and evaluation

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

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/igac.aspx

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year	Number of students passed in final year examination	Pass Percentage
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			examination		
617708210	BE	Biotechnology	47	47	100
617750710	BE	Chemical Engineering	72	66	91.66
617719110	BE	Civil Engineering	229	177	77.29
617724510	BE	computer Engineering	216	204	94.44
617761210	BE	Mechanical Engineering	352	325	92.32
617760610	BE	Production Engineering	63	60	95.24
617710110	MBA	MBA	58	55	94.82
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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/igac.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
Minor Projects	2	BCUD	2.3	1.15
Minor Projects	2	BCUD	1.2	1.2
Interdisciplinary Projects	1	TDU	15	7.5
Minor Projects	2	BCUD	1.5	0
Projects sponsored by the University	2	BCUD	1.7	0.87
Projects sponsored by the University	2	BCUD	1.4	0.7
Projects sponsored by the University	2	BCUD	1.3	0.65
Minor Projects	2	BCUD	5.92	0
Minor Projects	2	BCUD	2	1
Minor Projects	2	BCUD	2.3	1.15
Minor Projects	2	BCUD	2.5	1.25
Minor Projects	2	BCUD	5	0

Industry sponsored Projects	2	Grind Well Norton Limited, Pune	1.8	1.8
Major Projects	3	DHR	16.01	11.02
Major Projects	2	DSTSERB	20.29	20.29
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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
Software Modeling using UML	IT	01/10/2018
Project Design Using MYSQL and Java	IT	18/09/2018
Big Data Analytics using Hadoop R Programming	IT	19/03/2019
Useability engineering	IT	26/09/2018
Humanity and social sciences	IT	26/09/2018
IOT and applications	IT	23/08/2018
Seminar on Social Entrepreneurship	MBA	17/08/2018
Seminar on Basics of Capital Markets Association with Bombay Stock Exchange and Lotus Group	MBA	28/08/2018
Workshop on Self Introduction Resume writing	MBA	12/02/2019
Workshop on Design your Career	MBA	26/02/2018
Workshop on Corporate Readiness.	MBA	28/09/2018
Workshop on Gender equality .	MBA	19/03/2019
Workshop on Advance MSEXcel	MBA	26/03/2019
International Conference on Sustainable Development (ICSD 2019)	PRODUCTION	14/02/2019
Two days state level workshop on "Optimization Techniques for Engineering Applications"	PRODUCTION	07/01/2018
Workshop on machine learning	IT	20/02/2019

An ASM Inaugural Seminar on 'Failure Analysis' by Dr Frederick E Schmidt, President ASM International USA	MECHANICAL	01/10/2018
International Conference on Sustainable Development	MECHANICAL	14/02/2019
National level Workshop on Designing BAJA Vehicle	MECHANICAL	13/10/2018
Internship on Hybrid and Electric Vehicle	MECHANICAL	14/12/2018
Internship on Gasoline Electric Formula 5 Race car Design Development	MECHANICAL	14/12/2018
International Conference on Sustainable Development	MECHANICAL	14/02/2019
Workshop on Refrigeration and Air Conditioning	MECHANICAL	20/02/2019
QIPSPPU sponsored State Level Seminar on 'Recent Advances In Separation Techniques' with Chemical Dept.	Biotech	24/01/2019
One week workshop on Nanostructure materials in Catalysis.	Chemical	25/03/2019
Google Cloud Study Jams	Computer	18/02/2019
Google Cloud Next '18 Extended Sinhgad	Computer	28/08/2018
MICROSOFT CERTIFICATION COURSE (MTA: Introduction to Programming using JavaScript) Cloud Computing	Computer	28/08/2018
Block Chain	Computer	22/02/2019
Artificial Intelligent in Gaming	Computer	20/02/2019
Latex Report Writing	Computer	21/02/2019
C and CPP	Computer	11/01/2019
ICSD International Conference on Sustabaniable Development	Electronics and Telecommunication	14/02/2019
Seminar on Engineering Motivation	Electronics and Telecommunication	11/01/2019
Wireless Communication System Design with Matlab and Simulink	Electronics and Telecommunication	30/10/2018

MICROSOFT CERTIFICATION COURSE and Exam on Cyber Security	Electronics and Telecommunication	15/10/2018
Introduction to Quality Management	Electronics and Telecommunication	19/09/2018
IOT Internet of Things	Electronics and Telecommunication	29/08/2018
National Conference on Pervasive Computing	Electronics and Telecommunication	27/02/2018
One week workshop on Nanostructured Materials in Catalysis sponcered by Science and Engg Research Board, Department of Science and Technology, Govt. of India	FE	25/03/2019
A Seminar on Art of Smart Work	FE	03/08/2018
A Seminar on Art of Smart Work	FE	06/09/2018
A Seminar on Power of Good Habits	FE	15/09/2018
A Seminar on Cyber Security and Gender Equality	FE	19/03/2019
Ubiquitous Computing using ANDROID Studio	IT	22/01/2019
Seminar on Cyber Security	IT	21/02/2018
Design Thinking	IT	12/02/2019
Computer Graphics and OpenGLProgramming	IT	19/03/2019
One Day Workshop on Middleware Technology	IT	19/04/2019
Python and R programming	IT	29/08/2018
One Day Workshop on syllabus implementation of BE Production, Production S/W, (2015 Credit Course)	PRODUCTION	08/02/2018
One Day Workshop on 'Design of PT Flat Slab and Introduction to vibration and earthquake analysis'	CIVIL	28/07/2018
Two Days Workshop on "Effective Teaching Methodology in Fluid Mechanics I"	CIVIL	20/12/2018
Half day Workshop on Artificial Neural Network	CIVIL	25/01/2019

and Its Application in Civil Engineering		
International Conference on Sustainable Development	CIVIL	14/02/2019
National Conference on "Panchtatva" in Civil Engg Integrating Five Elements of Nature for Sustainable Development	CIVIL	27/02/2019
"Sixth Civil Engineering PGCON Conference 2019" in association with SPPU	CIVIL	17/06/2019
Workshop on Cyber Security	MBA	19/03/2019
Workshop on Specialization Selection	MBA	12/09/2018
Workshop on Campus to Corporate	MBA	21/08/2018
Workshop on Digital Marketing	MBA	04/09/2018
An ASM Seminar on '3D Printing Technology and Design analysis of AM parts' By Mr.Gaurav Khanolkar	MECHANICAL	06/09/2018
A IIM Seminar on 'Materials Engineering and Emerging Technologies in Dental Applications' By Dr. Archana Gupta	MECHANICAL	11/09/2018
A workshop on 'Design and Development of SPM (Special purpose machines) with CNC Programming fundamentals'	MECHANICAL	17/09/2018
Audit Course on 'Road Safety'	MECHANICAL	26/09/2018

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
Research paper on "A comparative study of single point diamond dresser and multipoint diamond dresser for grinding wheel - A Review"	S.Bhoskar	Sinhgad College of Engg.Pune	14/02/2019	International

cost optimization business strategy (5th in Cost report, 31stin business)	Aman Pande	FSAE, Itali	07/07/2018	International
Hyperion,: Lowest weight of vehicle and data acquisition system for end user propose (2nd All india rank in NSVC, Best Endurance and design award)	Prathmesh Paskanti	National solar Vehicle challenge (NSVC), Bangalore	15/05/2018	National
Rocketry Weight reduction of rocket by 30, in house production carbon fiber tubes by lag up process (Award 1st for Designing Structure, 2nd for Media attraction 3rd for management)	Shubham More	Spaceport America, USA	17/06/2018	International
Rocketry Weight reduction of rocket by 30, in house production carbon fiber tubes by lag up process (Award 1st for Designing Structure, 2nd for Media attraction 3rd for management)	Siddhesh Kakad	Spaceport America, USA	17/06/2018	International
New designs and optimization of parts mBAJA	Bhushan Patil	SAEINDIA	14/07/2018	National
New designs and optimization of parts mBAJA	Akash Deshmukh	SAEINDIA	13/07/2018	National
DELONIX REGIA (GULMOHOR)	Kaustubh Thakare	Pune Construction	13/01/2019	UG STUDENT PROJECT

FIBRE REINFORCED CONCRETE INNOVATIVE CURING TECHNIQUE		Engineering Research Foundation, Pune		
Non destructive testing: Brief view of methods and applications	Arjun Patil	INFRAROADTECH 2019 by RASTA, BANGLORE	05/04/2019	National conference
Carbon capture and storage	Arjun Patil	PANCHATATVA in Civil Engineering, by S.C.O.E. Pune	28/02/2019	National conference
Smart Food Dispensing Machine (Avishkar2018)	Pritam Borate	SPPU, Pune	02/01/2019	UG STUDENT PROJECT
Business Quiz	Jayma Jagadeswaran	TCS	07/03/2019	Competition
5th International Robotics League RoboRace Championship	Harshal More	Thyagaraj Stadium, New Delhi.	23/09/2019	National Event
5th International Robotics League RoboRace Championship	Shubham Mahajan	Thyagaraj Stadium, New Delhi.	23/09/2019	National Event
Dexterity2K19	Sachin Mahajan	Marathwada Mitra Mandal's	16/01/2019	National Event
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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 E TC	Self	Lazzzyme	Online Food supply chain	18/10/2018
View File					

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
E TC	2
Mechanical	3

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	Biotech	2	1.2
International	Biotech	7	4.5
International	Chemical	3	7.2
National	Civil	1	1.2
International	Civil	7	6.29
International	E TC	15	1.33
International	Mechanical	15	3.7
International	Production	5	1.3
International	MBA	6	5.5

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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
Civil	2
E TC	2
IT	2
Comp	3
Biotechnology	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 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
Association of EGF A61G polymorphism and EGF expression with type 2 diabetes mellitus in Indian population ., Volume 15, June, 100384.	Kavita Trimal, Tejas Shah, Kalpana Joshi, Ghazala Mulla	Gene Reports	2019	0	SCOE	0
Phytochemical characterization of ayurvedic formulations	Mishra, Dada Patil, Kalpana S. Joshi Bhushan	Indian Journal of Traditional Knowledge	2019	1	SCOE	1

ns of Terminalia arjuna: A potential tool for quality assurance. Sushant A. Shengulel, Sanjay Mishra, Dada Patil, Kalpana S. Joshi Bhushan Patwardhan., Vol 18 (1), January, pp 127132	Patwardhan						
Dietary pattern regulates fatty acid desaturase 1 gene expression in Indian pregnant women to spare overall long chain polyunsaturated fatty acids levels.	Kalpana Joshi, Maithili Gadgil, Anand Pandit, Suhas Otiv, Kumar S. D. Kothapalli, J. Thomas Brenna	Mol Biol Rep	2018	1	SCOE	1	
Variation in the Plasma Levels of Polyunsaturated Fatty Acids in Control visàvis Nonalcoholic Fatty Liver Disease Subjects and Its Possible Association	M Vernekar, R Singhal, K Joshi, D Amarapurkar	Metabolic syndrome and related disorders	2018	0	SCOE	0	

with Gut						
Vitamin B12 insufficiency in excess folic acid down regulates methylene tetrahydro folate reductase gene and increases homocysteine, tumor necrosis factor alpha, and oxidative stress in hepatocytes. 11 (1), 12	T Shah, K Joshi, S Mishra	Indian Journal of Health Sciences and Biomedical Research	2018	0	SCOE	0
Antihyperglycemic and antihyperlipidemic effect of Arjunarisht in highfat fed animals Journal of Ayurveda and Integrative Medicine Journal of Ayurveda and integrative	SA Shengule, S Mishra, K Joshi, K Apte, D Patil, P Kale, T Shah	Journal of Ayurveda and integrative medicine	2019	7	SCOE	7
Analysis of FOXO3a Gene Polymorphism Associated with Asthma	Tejas Shah, Kalpana Joshi	Methods in Molecular Biology	2019	0	SCOE	0
Global transcriptome analysis of grapevine (Vitis	Upadhyay, Anuradha, Tulsi Gaonkar, Ajay Kumar Upadhyay,	Plant physiology and biochemistry	2018	2	National Research Centre for Grapes	2

vinifera L.) leaves under salt stress reveals differential response at early and late stages of stress in table grape cv. Thompson Seedless. 129 (2018): 168179.	Satisha Jogaiah, Manisha P. Shinde, Narendra Y. Kadoo, and Vidya S. Gupta					
Ultrasound assisted preparation, characterization and adsorption study of ternary chitosanZnO TiO ₂ nanocomposite: Advantage over conventional method	B.A.Bhanvase, A.Veer, S. R. Shirsath, S. H. Sonawane	Ultrasonics Sonochemistry	2019	0	SCOE	0
Influence of ggbs on properties of concrete	Bajad, M.N., Sakhare, S., Gaikwad, S., Raskar, D., Rajpurohit, R.	International Journal of Civil Engineering and Technology	2018	0	SCOE	0
Influence of artificial sand on the properties of concrete and mortar	Bajad, M.N., Sakhare, S.	International Journal of Civil Engineering and Technology	2018	0	SCOE	0
Effect of moment capacity ratio on	RA Sargar, JP Bhusari	Innovations in Infrastructure	2018	0	SCOE	0

RC framed structure						
Experimental investigations on distinctive characteristics of reactive powder concrete	Bhusari, J.P., Gumaste, K.S.	Indian Concrete Journal	2019	0	SCOE	0
Effect of aspect ratio for FRP wrapped biaxially loaded circular columns	Dr. Kodag P. B., Dr. G. R. Vesmawala	Journal of Structural Engineering	2019	0	SCOE	0
Design and Cost Comparison for Single Stack and Two Pipe System for Domestic Drainage using New Techniques	Dr. Kodag P. B., Mr. Rohan Shelke and Mahesh J. Mohite	International Journal for Science and Advanced Research in Technology	2018	0	SCOE	0
Effect of Wrap Thickness and Ply Orientation on Cracking and Failure of FRP Wrapped Columns	Dr. Kodag P. B., Dr. G. R. Vesmawala	© Springer Nature Singapore Pte Ltd. Chapter 19	2018	0	SCOE	0
PCA Assisted DTCWT Denoising for Improved DOA Estimation of Closely Spaced and Coherent Signals,	Dharmendra Ganage and Yerram Ravinder,	International Journal of Electronics and Telecommunications (IJET)	2019	0.95	SCOE	0
DTCWTICA based	Dharmendra Ganage and	International	2019	1	SCOE	0

Improved DOA Estimation of Closely Spaced and Coherent Signals with Uniform Linear Array	Yerram Ravinder,	Journal of Intelligent Engineering and Systems (IJIES)				
Dynamic ReconfigurationThe PromisingTechnique for High Performance Computing	P.M.Bangar e,M.B.Mali ,	Journal of Advanced Research in Dynamical and control systems	2019	0.11	SCOE	0
Dielectric Constant Measurement of Low Loss Liquids using Stacked Multi Ring Resonator	Anagha Kunte, Dr. Arun Gaikwad,	Sadhana) Indian Academy of Sciences, Springer	2018	0.23	SCOE	0
Localized and Optimized Feature Extraction from a Sculpted Electroencephalographic Signal for Better Classification in Motor Imagery Based Brain Computer Interface	Vrushali Raut, Sanjay Ganorkar,	Journal of Computational and Theoretical Nanoscience,	2018	0.16	SCOE	0
Leaf Disease Classification using Machine Learning	R. B. Dhumale, N. D. Thombare,	Journal of Emerging Technologies and Innovative Research	2019	5.87	SCOE	0
Time Frequency	S.K.Malave , A.S.Shir	Journal of Advanced	2019	0.11	AISSMS	0

Training OFDM for MIMO Systems for Data Rate and Spectral	sat,	Research				
Adaptive Thresholding of Wavelet Coefficients using Generalized False Discovery Rate to Compress ECG signal",	S.O.Rajankar and S.N.Talbar	International Journal of Biomedical Engineering and Technology (IJBET,) Indercience	2019	0.24	SGGS	0
Hybrid Approach for Facial Cues Based Emotion Profile Generation	Bharati Dixit, Dr. Arun Gaikwad,	Journal of theoretical and Applied Information Technology	2018	0.17	SCOE	0
Facial Affect Recognition and Impact of Affect Arousal on Health Data	Bharati Dixit, Dr. Arun Gaikwad,	Journal of theoretical and Applied Information Technology	2018	0.17	SCOE	0
A Novel Algorithm For Speech Recognition Using Tonal Frequency Cepstral Coefficients Based On Human Cochlea Frequency Map	Himgauri Kondhalkar, Prachi Mukherji	Journal of Engineering Science and Technology,	2018	0.14	SCOE	0
Condition Monitoring of Renewable Energy Resources	R. B. Dhumale	Journal of Emerging Technologies and Innovative Research	2019	5.87	SCOE	0

Wireless Sensor Network based Fault Diagnosis of Solar based Street Light	R. B. Dhumale	Journal of Emerging Technologies and Innovative Research	2019	5.87	SCOE	0
An Electrocardiogram Signal Compression Techniques: A Comprehensive Review	S.O.Rajankar and S.N.Talbar	Analog Integrated Circuits and Signal Processing	2019	0.198	SCOE	0
Performance Assessment of Mobile WiMAX in High Speed Environment	S.K.Malave ,A.S.Shirsat,D.M.Yadav	International Journal of Engineering and Advanced Technology	2019	0.14	AISSMS	0
LRSPPP: Lightweight RLWE based secured and privacy preserving scheme for prosumer side network in smart grid	Aarti Agarkar, Himanshu Agrawal	Heliyon	2018	1	Symbiosis	0
Lightweight RLWE based privacy preservation scheme for smart grid network	Aarti Agarkar, Himanshu Agrawal	International Journal of Information and Computer Security	2018	1	Symbiosis	0
A Hybrid Approach for Class Imbalance Problem in Customer Churn Prediction: A Novel Extension	Ms. Uma Salunkhe	International Journal of Intelligent Systems and Applications(IJISA)	2018	2	0	0

to Undersampling						
Firefly Algorithm for Intelligent Context-Aware Sensor Deployment Problem in Wireless Sensor Network	Vishal Puri, A. Ramesh Babu	Journal of Circuits, Systems and Computers	2018	0	Hindustan Institute of Technology and Science, Chennai	0
The Variants of Hybrid Genetic Algorithm for Analysing Context-Aware Sensor Deployment in Wireless Sensor	Vishal Puri, A. Ramesh Babu	Journal of Computational and Theoretical Nanoscience	2018	0	Hindustan Institute of Technology and Science, Chennai	0
An Effective Optimisation Algorithm for Sensor Deployment Problem in Wireless Sensor Network	Vishal Puri, A. Ramesh Babu	4th International Conference on Next Generation Computing Technologies (NGCT) 2018	2018	0	Hindustan Institute of Technology and Science, Chennai	0
A Review of Sensor Deployment Problem in Wireless Sensor Network	Vishal Puri, A. Ramesh Babu	4th International Conference on Next Generation Computing Technologies (NGCT) 2018	2018	0	Hindustan Institute of Technology and Science, Chennai	0
Review of Sensor Deployment Problem in Wireless Sensor Network	Vishal Puri, A. Ramesh Babu	4th International Conference on Next Generation Computing Technologies (NGCT) 2018	2018	0	Hindustan Institute of Technology and Science, Chennai	0

Shot Boundary Detection of MPEG Video using Bior thogonal Wavelet Transform	Dr K.S.Thakre,Dr A.M .Rajurkar	International Journal of Pure and Applied Mathematics	2018	0	SGGS	0
Optimization Modeling and Scheduling for Workflow based Application using Constraint Programming	S.M.Jaybhaye, V.Z.Attar	4th International Conference on Recent Challenges in Engineering and Technology (ICRCET18)	2018	0	COEP	0
Resource allocation and optimization in cloud for workflow based applications	S.M.Jaybhaye, V.Z.Attar	International Conference on smart Computer Applications 2018	2018	0	COEP	0
Analysis of Load Locations and Magnitudes on Performance Parameters of Journal Bearing,	T. A.Jadhav, S. M. Patel, V. N. Kapatkar,	International Journal of Engineering Research and Technology (IJERT)	2019	0	SCOEO	0
, Finite Element Analysis of Helical Coil Spring with Cushioning Buffer,	T. A.Jadhav, M. P. Angaj, V. N. Kapatkar	International Journal of Engineering Research and Technology (IJERT)	2019	0	SCOE	0
InSitu Monitoring for Fatigue Crack Detection using	S. R. Kulkarni,T. Takalkar, D. Rekhe, V. Sable, S. Thorat,	International Journal of Engineering and	2019	0	SCOE	0

Control System and Image						
Pond Cleaning Accessory for Paddle Boat,	S. R. Kulkarni,	International Education and Research Journal (IERJ)	2019	0	SCOE	0
Performance Analysis of Heavy Duty SPFI CNG Engine Manifold System	A. P. Tadamalle, K. N. Dadas, S. S. Tipse, K. P. Kavthekar,	International Journal of Engineering Research and Technology (IJERT)	2019	0	SCOE	0
A comparative study of single point diamond dresser and multipoint diamond dresser for grinding wheel - A Review	Patil S.S	International Journal of Innovations in Engineering Research and Technology	2019	0	SCOE	0
Sustainable Machining Using Minimum Quantity Lubrication in Machining - A Comprehensive Review"	Mali T.D, Shinde.J.H, Khankal D.V	International Journal of Innovations in Engineering Research and Technology	2019	0	SCOE	0
Fundamental Analysis of selected banks for Investment Decisions	Dr. Ujjwal Mishra, Dr. Harshal Raje	International Journal of Research in Social Sciences	2019	0	SCOE	0
Financial performance of selected automobile	Dr. Ujjwal Mishra. Mr. Narendra Chauvan	International Journal of Research in Finance	2018	0	SCOE	0

companies		and Marketing (IJRFM)				
Study of a Power Function as a two Parametric Basic Probability Distribution	Sabir Ali Siddiqui, Irfan Siddiqui	International Journal of Agricultural Statistical Sciences	2019	0	SCOE	0
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Experimental investigations on distinctive characteristics of reactive powder concrete	Bhusari, J.P., Gumaste, K.S.	Innovations in Infrastructure	2019	0	0	SCOE
Effect of aspect ratio for FRP wrapped biaxially loaded circular columns	Dr. Kodag P. B., Dr. G. R. Vesmawala	Journal of Structural Engineering	2019	9	0	Walchand College of Engineering, Sangli, Sangli, India
Design and Cost Comparison for Single Stack and Two Pipe System for Domestic Drainage using New Techniques	Dr. Kodag P. B., Mr. Rohan Shelke and Mahesh J. Mohite	International Journal for Science and Advanced Research in Technology	2018	0	0	SCOE
Effect of Wrap Thickness and Ply Orientation on Cracking and	Dr. Kodag P. B., Dr. G. R. Vesmawala	© Springer Nature Singapore Pte Ltd. Chapter 19	2018	0	0	SCOE

Failure of FRP Wrapped Columns						
PCA Assisted DTCWT Denoising for Improved DOA Estimation of Closely Spaced and Coherent Signals	Dharmendra Ganage and Yerram Ravinder,	International Journal of Electronics and Telecommunications	2019	20	0	SCOE
DTCWTICA based Improved DOA Estimation of Closely Spaced and Coherent Signals with Uniform Linear Array	Dharmendra Ganage and Yerram Ravinder,	International Journal of Intelligent Engineering and Systems (IJIES)	2019	9	0	SCOE
Dynamic Reconfiguration The Promising Technique for High Performance Computing	P.M.Bangar e, M.B.Mali ,	Journal of Advanced Research in Dynamical and control systems	2019	8	0	SCOE
Dielectric Constant Measurement of Low Loss Liquids using Stacked Multi Ring Resonator	Anagha Kunte, Dr. Arun Gaikwad,	Sadhana) Indian Academy of Sciences, Springer	2019	8	0	SCOE
Localized and Optimized Feature Extraction from a Sculpted Electroencephalographic Signal	Vrushali Raut, Sanjay Ganorkar,	Journal of Computational and Theoretical Nanoscience,	2018	43	0	SCOE

for Better Classification in Motor Imagery Based Brain Computer Interface						
Leaf Disease Classification using Machine Learning	R. B. Dhumale, N. D. Thombare,	Journal of Emerging Technologies and Innovative Research	2019	36	0	SCOE
Time Frequency Training OFDM for MIMO Systems for Data Rate and Spectral Efficiency	S.K.Malave, A.S.Shirsat, D.M.Yadav	Journal of Advanced Research in Dynamical and Control Systems	2019	8	0	SCOE
Adaptive Thresholding of Wavelet Coefficients using Generalized False Discovery Rate to Compress ECG signal",	S.O.Rajankar and S.N.Talbar	International Journal of Biomedical Engineering and Technology (IJBET,) Inder Science	2019	13	0	SGGS
Hybrid Approach for Facial Cues Based Emotion Profile Generation	Bharati Dixit, Dr. Arun Gaikwad,	Journal of theoretical and Applied Information Technology	2018	23	0	SCOE
Facial Affect Recognition and Impact of Affect Arousal on Health Data	Bharati Dixit, Dr. Arun Gaikwad,	Journal of Engineering and Applied Sciences	2018	21	0	SCOE
A Novel Algorithm For Speech	Himgauri Kondhalkar, Prachi	Journal of Engineering Science	2018	33	0	SCOE

Recognition Using Tonal Frequency Cepstral Coefficients Based On Human Cochlea Frequency Map	Mukherji	and Technology,				
Condition Monitoring of Renewable Energy Resources	R. B. Dhumale	Journal of Emerging Technologies and Innovative Research	2019	36	0	SCOE
Wireless Sensor Network based Fault Diagnosis of Solar based Street Light	R. B. Dhumale	Journal of Emerging Technologies and Innovative Research	2019	36	0	SCOE
An Electrocardiogram Signal Compression Techniques: A Comprehensive Review	S.O.Rajankar and S.N.Talbar	Analog Integrated Circuits and Signal Processing	2019	45	0	SCOE
Performance Assessment of Mobile WiMAX in High Speed Environment	Performance Assessment of Mobile WiMAX in High Speed Environment	International Journal of Engineering and Advanced Technology	2019	20	0	AISSMS
Performance Analysis of Heavy Duty SPFI CNG Engine Manifold System, (IJERT)	A. P. Tadamalle, K. N. Dadas, S. S. Tipse, K. P. Kavthekar	International Journal of Engineering Research and Technology	2019	2	0	SCOE
Pond Cleaning Accessory for Paddle Boat,	S. R. Kulkarni,	International Education and Research	2019	5	0	SCOE

		Journal (IERJ)				
InSitu Monitoring for Fatigue Crack Detection using Control System and Image Processing,	S. R. Kulkarni, T. Takalkar, D. Rekhe, V. Sable, S. Thorat	International Journal of Engineering and Technology (IRJET)	2019	20	0	SCOE
, Finite Element Analysis of Helical Coil Spring with Cushioning Buffer	T. A. Jadhav, M. P. Angaj, V. N. Kapatkar	International Journal of Engineering Research	2019	2	0	SCOE
Analysis of Load Locations and Magnitudes on Performance Parameters of Journal Bearing,	T. A. Jadhav, S. M. Patel, V. N. Kapatkar	International Journal of Engineering Research and Technology (IJERT)	2019	2	0	SCOE
LRSPPP: Lightweight RLWE based secured and privacy preserving scheme for prosumer side network in smart grid	Aarti Agarkar, Himanshu Agrawal	Heliyon	2018	2	0	Symbiosis
Lightweight RLWE based privacy preservation scheme for smart grid network	Aarti Agarkar, Himanshu Agrawal	International Journal of Information and Computer Security	2018	0	0	Symbiosis
Hybrid Approach for Class Imbalance	Ms. Uma Salunkhe	International Journal of Intelligen	2018	3	0	SCOE

Problem in Customer Churn Prediction: A Novel Extension to Undersampling		t Systems and Applications(IJISA)				
Firefly Algorithm for Intelligent Context-Aware Sensor Deployment Problem in Wireless Sensor Network	Vishal Puri, A. Ramesh Babu	Journal of Circuits, Systems and Computers	2018	0	0	Hindustan Institute of Technology and Science, Chennai
The Variants of Hybrid Genetic Algorithm for Analysing Context-Aware Sensor Deployment in Wireless Sensor Network	Vishal Puri, A. Ramesh Babu	Journal of Computational and Theoretical Nanoscience	2018	0	0	Hindustan Institute of Technology and Science, Chennai
Association of EGF A61G polymorphism and EGF expression with type 2 diabetes mellitus in Indian population ., Volume 15, June, 100384.	Kavita Trimal, Tejas Shah, Kalpana Joshi, Ghazala Mulla	Gene Reports	2019	7	0	SCOE
Phytochemical characterization of ayurvedic formulations of Terminalia arjuna: A	Mishra, Dada Patil, Kalpana S. Joshi Bhushan Patwardhan	Indian Journal of Traditional Knowledge	2019	18	1	SCOE

potential tool for quality assurance. Sushant A. Shengulel, Sanjay Mishra, Dada Patil, Kalpana S. Joshi Bhushan Patwardhan., Vol 18 (1), January, pp 127132						
Dietary pattern regulates fatty acid desaturase 1 gene expression in Indian pregnant women to spare overall long chain polyunsaturated fatty acids levels	Kalpana Joshi, Maithili Gadgil, Anand Pandit, Suhas Otiv, Kumar S. D. Kothapalli, J. Thomas Brenna	Mol Biol Rep	2018	38	1	SCOE
Variation in the Plasma Levels of Polyunsaturated Fatty Acids in Control visàvis Nonalcoholic Fatty Liver Disease Subjects and Its Possible Association with Gut	M Vernekar, R Singhal, K Joshi, D Amarapurkar	Metabolic syndrome and related disorders	2018	23	0	SCOE
Vitamin B12 insuff	T Shah, K Joshi, S	Indian Journal of	2018	6	0	SCOE

iciency in excess folic acid down regulates methylene tetrahydro folate reductase gene and increases homocysteine, tumor necrosis factor alpha, and oxidative stress in hepatocytes. 11 (1), 12	Mishra	Health Sciences and Biomedical Research				
Antihyperglycemic and antihyperlipidemic effect of Arjunarisht in highfat fed animals Journal of Ayurveda and Integrative Medicine Journal of Ayurveda and integrative	SA Shengule, S Mishra, K Joshi, K Apte, D Patil, P Kale, T Shah	Journal of Ayurveda and integrative medicine	2019	16	7	SCOE
Analysis of FOXO3a Gene Polymorphism Associated with Asthma	Tejas Shah, Kalpana Joshi	Methods in molecular biology	2019	64	0	SCOE
Global transcriptome analysis of grapevine (Vitis vinifera L.) leaves under salt stress	Upadhyay, Anuradha, Tulsi Gaonkar, Ajay Kumar Upadhyay, Satisha Jogaiah, Manisha P. Shinde,	Plant physiology and biochemistry	2018	48	2	SCOE

reveals differential response at early and late stages of stress in table grape cv. Thompson Seedless. 129 (2018): 168179.	Narendra Y. Kadoo, and Vidya S. Gupta					
Influence of ggbs on properties of concrete	Bajad, M.N., Sakhare, S., Gaikwad, S., Raskar, D., Rajpurohit, R.	International Journal of Civil Engineering and Technology	2018	1	0	SCOE
Influence of artificial sand on the properties of concrete and mortar	Bajad, M.N., Sakhare, S	International Journal of Civil Engineering and Technology	2018	1	0	SCOE
Effect of moment capacity ratio on RC framed structure	RA Sargar, JP Bhusari	Innovations in Infrastructure	2019	0	0	SCOE
An Effective Optimisation Algorithm for Sensor Deployment Problem in Wireless Sensor Network	Vishal Puri, A. Ramesh Babu	4th International Conference on Next Generation Computing Technologies (NGCT) 2018	2018	0	0	Hindustan Institute of Technology and Science, Chennai
A Review of Sensor Deployment Problem in Wireless Sensor Network	Vishal Puri, A. Ramesh Babu	4th International Conference on Next Generation Computing Technologies	2018	0	0	Hindustan Institute of Technology and Science, Chennai

		es (NGCT) 2018				
Shot Boundary Detection of MPEG Video using Bior thogonal Wavelet Transform	Dr K.S.Thakre,Dr A.M .Rajurkar	Internatio nal Journal of Pure and Applied Ma thematics	2018	0	0	SGGS
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	104	43	0	0
Resource persons	5	9	18	11
Attended/Semina rs/Workshops	17	63	89	25
View File				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
CCT Mini Camp	Dnyan Prabhodhini, Pune	3	115
Tree Plantation	SPPU	4	200
Tree Plantation	Sinhgad College of Engg. MBA Department	1	9
Awareness regarding hygienic	Sinhgad College of Engg. MBA Department	1	8
Cleanliness Drive at Sinhgad Fort	Sinhgad College of Engg. MBA Department	1	7
Computer Awareness	Sinhgad College of Engg. MBA Department	1	8
Drug Rehabilitation	Muktangan Mitra, Pune	3	200
Tree Plantation	Rotary Club, Shaniwarwada	5	260
Traffic Management Drive	Rotary Club, Shaniwarwada	3	60

Nirmal Wari	Sevasahayog	3	250
Awareness Of Organ Donation	Rotary Club, Shaniwarwada	4	150
Cleanliness Drive	NSS	3	109
Street Play	Yuga Foundation	4	45
Kerala Flood Relief Donation Drive	National Chemical Laboratory, Pune	5	300
Blood Donation	Sassoon Hospital	5	380
Check Dam Construction	Dnyan Prabhodhini, Pune	4	150
View File			

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
Road Safety Awareness	Appreciation	Tata Motors	120
Blood Donation	Appreciation	Regional Blood Bank, Sassoon Ge. Hospital. (Govt. of Maharashtra)	380
Tree Plantation	Appreciation	SPPU	200
Drug Rehabilitation	Appreciation	Muktangan Mitra, Pune	200
Tree Plantation	Appreciation	Rotary Club, Shaniwarwada	260
Traffic Management Drive	Appreciation	Rotary Club, Shaniwarwada	60
Nirmal Wari	Appreciation	Sevasahayog	250
Kerala Flood Relief Donation	Appreciation	National Chemical Laboratory, Pune	300
Awareness Of Organ Donation	Appreciation	Rotary Club of Shaniwarwada, Pune	150
Street Play	Appreciation	Yuga Foundation	45
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
NSS	SPPU	Tree Plantation	2	26
NSS	MUKTANGAN MITRA, PUNE	Drug Rehabilitation	1	7
NSS	SASSOON HOSPITAL	Blood Donation	3	37
NSS	SCOE PUNE NSS	Kerala Flood Donanation	1	5

		Drive		
Iwomen Global Awards	G NET and SCOUT group	IWomen Global Awards	1	9
NSS	SCOPE PUNE NSS	12 Taas Abhyasika	2	5
NSS	SCOPE PUNE NSS	Cct Mini Camp	2	14
NSS	SEVASAHYOG	Nirmal Wari	3	42
NSS	SCOPE PUNE NSS	International Yoga Day	2	13
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Scholar exchange in US University	Abhishek Deshmukh	IUSSTF Khorana Scholarship	90
BE Project Work	20	Nil	365
BE Project Work	27	Nil	180
Robotics Competitions and Development	12	eyantra IIT Bombay	365
Seed IT Idol Competition	77	Nil	2
IIT Bombay Spoken Tutorial Online Exam	82	Nil	180
M.E Project	15	Nil	270
B.E Project	13	Nil	270
View File			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	Jain Irrigation, Jalgaon	01/06/2019	15/06/2019	TE Biotech student
Sponsored Project	Design and analysis of microstrip patch antenna using metamaterial approach	Prof Kailas Sawant , Assistant Professor Electronics Engg, DIAT, Pune Contact No:985098119	01/07/2018	30/03/2019	3

		6			
Sponsored Project	Design and analysis of CPW fed microstrip patch antenna for wireless applications	Prof Kailas Sawant , Assistant Professor Electronics Engg, DIAT, Pune Contact No:9850981196	01/07/2018	30/03/2019	3
Sponsored Project	Microstrip Patch Antenna Using FSS	Prof Kailas Sawant , Assistant Professor Electronics Engg, DIAT, Pune Contact No:9850981196	01/07/2018	30/03/2019	3
Sponsored Project	3D Scanner	3Deometry Innovations Office 102, 3rd Floor, Borate Complex, Bhagwan Tatyasaheb Kawade Rd, Pune, Maharashtra 411001 Phone: 095038 17139	01/07/2018	30/03/2019	3
Sponsored Project	IOT based condition monitoring of renewable energy resources	Amey Incorporation Jadhav Nagar, Vadgaon Budruk, Pune, Maharashtra 411041 Phone: 094234 39973	01/07/2018	30/03/2019	3
Sponsored Project	Remote Diagnosis System	Embel Technologies JB Complex, EMBEL TECHNOLOGIES PVT LTD, 2nd floor of Maks Enterprises, Behind Morya Heights, Near, Canal	01/07/2018	30/03/2019	3

		Rd, Warje, Pune, Maharashtra 411058 Phone: 086687 57349			
Sponsored Project	IOT based Smart Switch under Home automation	Skroman Switches Phase II, Navle IT zone, Near Navle bridge, Pune 411041, Phone: 089992 65137	01/07/2018	30/03/2019	3
Sponsored Project	Gear Parameter Analysis using DIP	GATEEJ ENGINEERING CO. shop no.02, Sr no.38/ near PARI Co., Phase 2, Narhe, pune 16, Maharashtra 411041	01/07/2018	30/03/2019	3
Sponsored Project	Smart Hospital	Sunraj Infotech Soltions Pvt. Ltd 401, Friends Park , Near Food Court , Sinhgad College, Ambegaon BK, Pune, Maharashtra 411046 Phone: 082080 58921	01/07/2018	30/03/2019	3
Sponsored Project	intelligent mirror using google speech recognition for smart homes.	Office No 8788, 4th Floor, D Wing, KK Market, Dhankawadi, Pune, Maharashtra 411043 Phone: 090493 01122	01/07/2018	30/03/2019	3
Sponsored Project	secured voting system	New Shweta Enterprises Office no 3,	01/07/2018	30/03/2019	3

		Goldwings, 1st floor , behind aditya nakoda bldg.,, sinhgad road , pune Phone: 8552939794			
Sponsored Project	Stress Monitoring and detection of driver drowsiness using GSR and Image Processing	Mahindra Mahindra	01/07/2018	30/03/2019	3
Sponsored Project	Fault Diagnosis in a three phase inverter	Power Con	01/07/2018	30/03/2019	3
Sponsored Project	PLC based automatic fault detection or railway track and accident avoidance system	Varad Electricals Sr. No 79/2 ,Dangat Industrial Estate, Shivane , Pune 23 mobile no 9822261962 email varad. elect@gmail. com	01/07/2018	30/03/2019	3
Sponsored Project	Poultry farm automation	Syneotek Software Solutions 3rd Floor, Harihans S. No. 20/1, Bangaluru Highway, Punyai Nagar, Panchod, Balaji Nagar, Pune 411003	01/07/2018	30/03/2019	3
Sponsored Project	IoT based soil parameter control for agriculture	sparsh technologies B4, Vrundawan Residency,	01/07/2018	30/03/2019	3

		Sector 29, Near ISKON Temple, Ravet, Pune - 411033			
Sponsored Project	Partial replacement of cement by GGBS using design water (strength properties)	Mr. Yusuf Inamdar J. Kumar Infrac rojects Ltd, R. M. C., Swargate, Pune 411024 Phone No. 9689937277	01/07/2018	30/03/2019	3
Sponsored Project	Durability of concrete by using design water	Mr. Yusuf Inamdar J. Kumar Infrac rojects Ltd, R. M. C., Swargate, Pune 411024 Phone No. 9689937277	01/07/2018	30/03/2019	3
Sponsored Project	Structural Audit of Canel Bridges in Pune	Mr. Sandip Patil, Deputy Engineering (Projects), Pune Municipal Corporation, Shivaji Nagar, Pune411005	01/07/2018	30/03/2019	3
Sponsored Project	Development of Green material for better Acoustical coating.	Mr. Amarnath Chakradeo, Federal Engineering Works.	01/07/2018	30/03/2019	3
Sponsored Project	Partial Replacement of cement by flyash using design water (strength properties)	Mr. Yusuf Inamdar J. Kumar Infrac rojects Ltd, R. M. C., Swargate, Pune 411024 Phone No. 9689937277	01/07/2018	30/03/2019	3
Sponsored Project	Effect of Chemical attack on weight and strength of steel Fibre reinforced	Sinhgad Services Ready Mix Concrete Plant Ph No 9011020622	01/07/2018	30/03/2019	4

	concrete				
Sponsored Project	Partial replacement of fine aggregate by waste foundry sand in concrete mix	Sinhgad Ready Mix Concrete Plant Ph No 9011020622	01/07/2018	30/03/2019	4
Sponsored Project	Design and development of remote operated car cover	Dyanamic Engineers Pvt.Ltd dhayari Pune	01/07/2018	31/03/2019	4
Sponsored Project	Partial Replacement of cement by flyash using design water (strength properties)	Mr. Yusuf Inamdar J. Kumar Infracore Projects Ltd, R. M. C., Swargate, Pune 411024 Phone No. 9689937277	18/06/2018	10/05/2019	3
Sponsored Project	Effect of Chemical attack on weight and strength of steel Fibre reinforced concrete	Sinhgad Services Ready Mix Concrete Plant Ph No 9011020622	18/06/2018	10/05/2019	3
Sponsored Project	Partial replacement of fine aggregate by waste foundry sand in concrete mix	Sinhgad Ready Mix Concrete Plant Ph No 9011020622	18/06/2018	10/05/2019	04
Sponsored Project	Design and development of remote operated car cover	Dyanamic Engineers Pvt.Ltd dhayari Pune	01/07/2018	31/03/2019	4
Sponsored Project	Design and manufacturing of crop reaper	SAMVINSAN Engineers Pvt.Ltd Katraj pune	01/07/2018	31/03/2019	5
Sponsored Project	Productivity improvement by using value stream mapping	SUMAX ENTERPRISES PVT.LTD Hadapsar pune	01/07/2018	31/03/2019	4
Sponsored	Inventory	Saiprasad	01/07/2018	31/03/2019	4

Project	management in small scale industries	Enterprises Pune			
Sponsored Project	Reduction in component inspection by using statistical process control	Ganesh Industries Shivane Pune	01/07/2018	31/03/2019	4
Sponsored Project	Implementation of production part and approval process	SANKALP INDUSTRIES Chikhali Pune	01/07/2018	31/03/2019	4
Sponsored	Optimization of process parameters of WIRE CUT EDM using TAGUCHI method for turning process	A.G.Enterprises Landewadi Pune	01/07/2018	31/03/2019	4
Sponsored Project	Design and development of special purpose ingot cutting machine	Arsan Technologies Nanded Pune	01/07/2018	31/03/2019	4
Sponsored Project	Energy audit of chair manufacturing industry	SURAJ INDUSTRIES Pune	01/07/2018	31/03/2019	4
Sponsored Project	CNC retrofitting of conventional lathe	CASTECH SALES AND SERVICES Narhe Pune	01/07/2018	31/03/2019	3
Sponsored Project	Cycle time reduction of mechanical parts	CTECH ENGINEERS PVT.LTD, Narhe Pune	01/07/2018	31/03/2019	4
Sponsored Project	Optimization of cutting parameters using response surface methodology	ELECTRO DIP Bhosari Pune	01/07/2018	31/03/2019	4
Sponsored	Production	TRITECH	01/07/2018	31/03/2019	3

Project	and testing a strength of composite material	ENGINEERING Bhosari MIDC Pune			
Sponsored Project	JIG Design and manufacturing for sole plate	AACK TECHNOCRAFT TOOLINGS PVT.LTD SHIVANE PUNE	01/07/2018	31/03/2019	3
Internship	Summer	Presfield industries Sno 25/1 nanded phata ,opt savali dhaba, Pune	08/01/2018	09/02/2019	2
Internship	Summer	Sankalp industrie Gate no 1403 sonawane vasti chikhali Pune	15/12/2018	31/12/2018	3
Internship	Summer	S.B. Engineering Jawaharnagar Ichalkaranji	17/12/2018	06/01/2019	1
Internship	Summer	KIRAN ENTERPRISE B alajinagar, medankarwadi, chakan, Pune	19/12/2018	06/01/2019	1
Internship	Summer	MD Engineering works narhe industrial road, narhegaon, Pune	01/02/2019	22/02/2019	1
Internship	Summer	kakade automobile Ambegaon, pune	20/09/2018	12/10/2018	1
Internship	Summer	Inland Machine Tools Plot no. 176/1 A, Sector 7, PCNTDA, M.I.D.C Bhosari Pune 411046	20/09/2018	12/10/2018	1
Internship	Summer	codex solutions pvt. Ltd Yashada Industrial	14/07/2018	09/09/2018	2

		Westerly Bypass, Narhe, Pune			
Internship	Summer	Cummins India Limited DBU Megasite, Phaltan cummins india, satara road, Maharashtra	07/06/2018	07/07/2018	1
Internship	Summer	Sumax Enterprises pvt ltd plot no 111, Ramtekdi Industrial Area, Hadsap sar, Pune	02/08/2018	14/10/2018	1
Pro Project Guidance	B.E Project	Agriculture Watermatics Private L Limited	01/07/2018	31/03/2019	Pro Project Guidance
Pro Project Guidance	B.E Project	CDAC	01/07/2018	31/03/2019	Pro Project Guidance
Internship	Training	TCS	27/07/2018	20/01/2019	1
Internship	Training	CDAC	30/09/2018	01/11/2018	3
Internship	Training	BSNL	25/06/2018	07/07/2018	1
Internship	Training	Japan Third Party	18/06/2018	27/07/2018	1
Internship	Training	Opulent	05/09/2018	30/09/2018	4
Internship	Training	Experts Hub	22/06/2018	29/06/2018	8
Internship	Training	Intershala	19/09/2018	15/11/2018	2
Internship	Training	Swatch Bharat	15/07/2018	31/07/2018	1
Internship	Training	Hackers Era	01/07/2018	30/10/2018	1
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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
Vantage Media Pvt. Ltd.	01/07/2018	For Industrial Visits and internship of students Corporate mentoring of students	5
Study Estonia ,	04/04/2019	To offer spot	0

India		evaluation of students based on university requirements which shall expedite admission process.	
Elevation - Element Simulation Academy	24/08/2019	To train students in CAE softwares like ANSYS and Hyperworks	0
Sai CAD Technical Education Services	16/07/2018	Certificate training of students on various CAD/CAE softwares	0
Harvard Business Publishing	01/07/2018	For utilization of study contents and course contents like case studies, articles, simulation models etc and inculcating it in teaching methodologies for students	276
Pune Furnace Teknikes	13/02/2019	Internship placements of students	0
Quality Engineering	13/02/2019	Student could play a key role in technical up gradation , innovation competitiveness of an industry	0
Vatro Water science Pvt Ltd	13/02/2019	Focusses on skill based training, education and research	0
Asian Management Training Center, Pune	01/01/2018	For Six Sigma Green Belt Certification Course	1185
Indian Society for Training and Development	12/10/2018	For various events related to Training and Development for students and Personality Development workshops	120
Krishna and Saurastri Associates, Pune	01/07/2018	For certification in IPR process	300
Saipro Biotech Pvt. Ltd., Pune	01/07/2018	For Industrial Visits and internship of	65

		students	
nGen GROUP	29/01/2018	Conduction of FDP/SDP for Faculties. Internship and project sponsorship for students. Conduction of workshop and seminar for students. Conducted seminar on Introduction to Mechatronics and its Application for TE students	188
Bitware Technologies	30/01/2019	Conduction of FDP/SDP for Faculties. Internship and project sponsorship for students. Conduction of workshop and seminar for students. Conducted seminar on IoT and Embedded Systems. Sponsored projects based	80
Infosys	17/02/2019	To enriching the technical education process and to jointly work for enhancing the quality of education imparted to students, faculty and management of selected colleges of the University related to the field of Information Technology	40
JAHYS IT	01/10/2018	To Conduct Guest lectures on technical aspects, workshops, Soft skills, Project guidance, Current industry trends and technologies used in the industries, Sponsorship in	120

		terms of providing students with live projects and internships for students	
Optimize Solutions	01/01/2019	Practical training of students Joint guidance of students projects. Industrial visits of students .	40
CMI Copenhagen, Aalborg University, Denmark and STES	09/07/2018	To promote academic perfection , Educational exchanges at international level for multifaceted development of students and also establish business relationship between CMI and STES.	0
True Copy Credentials Pvt. Ltd. 102, Supreme Ikon , Baner Road, Pune 411007.	02/08/2018	Establish the terms of collaboration between Institute and Truecopy to provide electronic transcript electronically to receiving universities.	0
ICT (Former UDCT, Matunga)	22/10/2018	Faculty, student exchange and collaborative research	2
Bioved Pharmaceuticals Pvt. Ltd. India.	14/05/2018	To provide services in testing and consultancy and collaborative research	0
KLE University	23/01/2018	To improve student's academic and research aptitude.	2
Rcf, Ltd, Thal	01/04/2018	Tie up of One week summer training to one batch of SE Chemical students by RCF Ltd	25
Appa Patwardhan Safai Wa Paryavaran Tantra Niketan Dehugaon	01/01/2018	To work together in various projects like rural sanitation, betterment for	4

		environmental sanitation condition, organising various training models.	
CADD Center Pune	16/01/2018	To conduct unique systematic skills development for the students of the core Civil Engineering Branch, towards achieving the objectives of maximizing the employment opportunities for SCOE students.	0
Construction Diagnostic Center Pune	05/02/2018	Knowledge sharing, by arranging guest lectures, technical support and training facilities to the students for their project at B. E Level, Recruitment Facilities to graduate students on different projects.	0
AI Adventures	22/02/2019	Conduction of FDP/SDP for Faculties. Internship and project sponsorship for students. Conduction of workshop and seminar for students. Conducted Seminar for SE and TE students	55
Excel Technologies, Pune	05/02/2019	Conduction of FDP/SDP for Faculties. Internship and project sponsorship for students. Conduction of workshop and seminar for students. Conducted Seminar for SE and TE students. Sponsorship for techtonic event	51

Byzus	06/02/2019	Conduction of FDP/SDP for Faculties. Internship and project sponsorship for students. Conduction of workshop and seminar for students. Conducted Quiz contest for SE and TE Students	35
ZINZOUT, Pune	29/01/2019	Conduction of FDP/SDP for Faculties. Internship and project sponsorship for students. Conduction of workshop and seminar for students. Conducted workshop on Antenna Design Thinking	45
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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
6274418	4257467

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
SLIM 21 web version	Fully	2.1	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	56125	0	0	0	56125	0
Reference Books	4747	0	0	0	4747	0
e-Books	3000	0	0	0	3000	0
Journals	131	0	0	0	131	0
e-Journals	1063	0	0	0	1063	0
Digital Database	1063	0	0	0	1063	0
CD & Video	1345	0	0	0	1345	0
Library Automation	0	0	0	0	0	0
Weeding (hard & soft)	2997	0	0	0	2997	0
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr. M. V. Nimbalkar	CO	Kpoint	06/08/2018
Mrs. H. M. Jadhav	DELD	Kpoint	13/08/2018
Mrs. M. S. Jaybhaye	CG	Kpoint	20/08/2018
Dr. S. J. Kulkarni	BC	Kpoint	27/08/2018
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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	1021	78	40	25	18	4	0	14	0
Added	10	0	0	0	0	0	0	0	0
Total	1031	78	40	25	18	4	0	14	0

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

48 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
00	00

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
74.7	53.88	175	157

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	34	43119
Financial Support from Other Sources			

a) National	EBC, NT, OBC, SBC, SC, ST, VJ.	2810	296774164
b) International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Personal counseling and mentoring TG batch	25/06/2018	4500	Departmental faculty all branches
Remedial coaching	16/07/2018	2500	Departmental faculty weak students
Bridge course BAHA, Hyperion, STES racing, FSAE, Aerometrix, TIFAN, Aerobots	25/06/2018	193	Tiffan John dear Swapnil bagul swapnil zende, Departmental faculty as a mentor
Soft skills Ansys, UGNX, Optimization	25/06/2018	210	Design tech, kothrud pune.
STP1, STP3, STP5	25/06/2018	3500	Departmental faculty 18 hrs.
MCAT,	25/06/2018	850	Aspiring minds
Barclay's GTT	04/07/2018	410	Global Talent Track
STP2, STP4	07/01/2019	2200	Departmental faculty 18 hrs.
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	GATE	367	141	117	29
2018	GRE	180	87	58	29
2018	MPSC/UPSC	58	165	14	0
2018	MBA-CET	58	165	3	0
2018	TOFEL	58	165	9	8
2018	IELTS	58	165	2	1
2018	CAT	58	165	1	1
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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
4	2	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
1 Cummins India Ltd, 2 Persistent Systems Ltd, 3 Atlas Copco, 4 Alfa Laval, 5 Infosys, 6 Wipro, 7 Ansys fluent, 8 Kirloskar, 9 igate Patni, 10 Capgemini, 11 Lnt, 12 Mahindra, 13 Thermax, 14 Zensar, 15 TCS.	700	450	1. Hitech Biotech 2. Serum Institute 3. Venture Centre, 1. Eternus Solutions 2. Wipro 3. Jaro Toppscholars Private 4. Cognizant 5. Amazon	68	42
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	10	Sinhgad College of Engineering	Biotechnology department	MNNIT Allhabad, (University of bordeaux, University of bordeaux, Basque country University of Liege) University of Illinois, Chicago IIT , Rice University	MS7, M.Tech 3
2018	5	Sinhgad College of	Chemical Engineering	Delft University,	Master in Chemical

		Engineering	Department	Nederland University of Toronto, North Carolina State University, USA University of Ottawa	Engineering
2018	14	Sinhgad College of Engineering	Department of Civil Engineering	University of Florida, Illinois Institute of Technology, Iowa State University, IITH, BITS Pilani, NICMARP	M.S./M.Tech/ M.E./PGDM
2018	7	Sinhgad College of Engineering	Department of Electronics & Telecommunication Engineering	Stony Brook University, Nanyang technological university, Singapore, COEP, Pune, Arizona state university Etc	M.S./M.Tech etc
2018	12	Sinhgad College of Engineering	Department of Information Technology	Colorado State University, Binghamton University, New York Univeristy, Purdue School of Science (IUPUI)	M.S
2018	70	Sinhgad College of Engineering	Department of Mechanical Engineering,	IIT, Bombay IISC, Bangalore Jacobs university, Germany, Michigan State University, Northeastern University	M.S./ M.TECH/ M.E. / MBA
2018	5	Sinhgad College of Engineering	Department of Production	Suny Bufflo, USA North eastern	MS

Engineering	university, USA Texas A &M University USA Arizona State university, USA
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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	87
GRE	56
TOFEL	18
CAT	7
Any Other	24
Civil Services	9
SET	2

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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	State	76

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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
2018	MIT WORLD PEACE UNIVERSITY PUNE UNIVERSITY (SELECTED FOR ZONE) SINHGAD KARANDAK (WINNERS) FLAME UNIVERSITY BIRLA INSTITUTE OF TECHNOLOGY	National	5	0	71813397J	ASMITA LAGWANKAR
2019	MIT WORLD PEACE	National	2	0	71813397J	ASMITA LAGWANKAR

	UNIVERSITY PUNE UNIVERSITY					
2018	MIT WORLD PEACE UNIVERSITY PUNE UNIVERSITY (SELECTED FOR ZONE) SINHGAD KA RANDAK(WIN NERS) FLAME UNIVERSITY BIRLA INSTITUTE OF TECHNOLOGY	National	5	0	7181 3760E	SIDDHI RANBHOR
2019	MIT WORLD PEACE UNIVERSITY PUNE UNIVERSITY	National	2	0	7181 3760E	SIDDHI RANBHOR
2018	NCC BEST CADET (GIRL)	National	1	0	0	PARUL MAINKAR

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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)

Entrepreneurship Development Cell (EDC): To prepare students for entrepreneurship. The institute has active Entrepreneurship Development Cell (EDC) which organizes expert lectures conducted by industrialists and experienced professionals to develop entrepreneurial skills among the students. Some of the students of this institute have already made progress in starting their own startup companies after their graduation. Sinhgad Students Council (SSC): The aim of this council is to groom student in technical, social, cultural fronts. The student registered to SSC participates in various activities organized by different SSC clubs during the semester. SSC constitutes several clubs including alumni, cultural, sports, media, engineering, research, science and many more where students organize and participate in various activities

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 Association is "Maharashtra / 1494 / 2003 / Pune / Dec. 06, 2003. By the end of the academic year 2018, the alumni association had grown up to 13,000 plus members. Objectives - To carry out smooth functioning of yearly alumni meet Update the various records of alumni association. Ex. Alumni as an entrepreneur, prominent/star alumni, events organised under alumni cell, total alumni count and live alumni details etc. To prepare and distribute Reminiscence booklet yearly To encourage the Alumni for startup their own

company with the help incubation center.

5.4.2 – No. of enrolled Alumni:

13909

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

50000

5.4.4 – Meetings/activities organized by Alumni Association :

MBA department : Group Discussion, Mock Interviews, Career Guidance, Help Students for Internship. Biotechnology Department :Career Guidance, Workshop on "Molecular Biology" for BE students, GATE GRE Orientation for SE, TE and BE students ETC Department: 1.PCB Designing workshop for SE and TE students. 2. Arduino Workshop for TE students Mechanical Engineering Department: 201920 I Guest Project Guidance 30/8/2019 2 Hrs Mr. Shantanu Birole 2016 Director, UTech Sugar, Sangamner BE 201920 I Guest Project Guidance TIFAN 19/8/2019 4 Hrs Mr. Swapnil Bagul Sr. Engg. John Deere Pvt Ltd BE 201819 I Guest Guidance for Competitive Exams 9/9/2018 2 Hrs Mr. Amol Tambe 2001 IPS, Govt of India All 201819 I Guest SE Induction 2 Hrs Mr. Shantanu Birole 2016 Director, UTech Sugar, Sangamner FE Production Engineering Department 1 201819 II Techtonic Department Inauguration event 02.02.2019 01 day Apeksha Lokhande 200910 Purchase Engineer, Tata Honeywell, Pune F. E. to B. E. 2 201819 III Sponsored BE project Sponsoring Final Year BE project June 2018 to Mar 2019 10 months Mr. Surendra Bhagat 201314 Owner, Kalpak Industries, Pune BE 3 201819 I FE Induction program Discussion with FE students on opportunities in production Engineering 31.07.2018 1 Day Meghan Ghone Ashwin Vaichal 200910 200910 Smash Industries Pvt. Ltd, Pune. SBM Projects and Engineers, Kothrud, Pune FE Chemical Engineering 1 201819 I FE Induction FE Students of chemical engineering 31.07.2018 1 hr shravan shukla 2008 Managing director, Gromal india chemical distribution, pvt ltd ,pune FE 2 201819 I FE Induction FE Students of chemical engineering 31.07.2018 1hrs Rohan Gulati 2008 International business sundex process engg, pvt. Ltd, mumbai FE 3 201819 I Invited alumnus FE students of chemical engineering 31.07.2018 1hr Chinmay Bapat 2015 JLS International pune FE 4 201819 I Invited alumnus FE students of chemical engineering 31.07.2018 1hr Satvik Dhumal 2018 student at clemson university, green ville, south carolina area USA FE 5 201819 I Invited alumnus FE Students of chemical engineering 31.07.2018 1hr Shruti Arhale 2018 Alumnus FE 6 201819 II Speaker of seminar Techtonic 2019 23.02.2019 1hr Mayuresh Dronkar 2011 Marcuras water treatment plant india, pvt. Ltd. Pune TEBE 7 201819 II Speaker workshop Techtonic 2019 23.02.2019 1hr Kalash Mundada 2018 Alumnus TEBE 8 201819 II Speaker workshop Techtonic 2019 23.02.2019 1hr Shruti Avhale 2018 Alumnus TEBE Information Technology 1 2018 19 I Guest Lecture Carrier Guidance 05.09.2018 1 Hr Mr. Kartik Poshattiwar 2015 Accenture, Application Development Analyst S.E 2 2018 19 I Guest F.E Induction Program 31/7/2019 2 hr Swapnil Kulkarni 2005 Manager, SoftDEL Systems, swapnil.kulkarni@softdel.com F.E 3 2018 19 I Invited alumnus F.E Induction Program 31/7/2019 2 hr Dhiraj Rathod 2013 Founder Designated Partner, GlueTechSoftwares dhiraj.r333@gmail.com F.E 4 2018 19 I Invited alumnus F.E Induction Program 31/7/2019 2 hr Prateek Rathi 2017 Pursing

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, nonteaching 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 daytoday administration of the Department and report directly to the Principal. Departments have committees like Academic monitoring and Research and Projects

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
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.
Admission of Students	Admission committee is formed at college level for coordination of admission related activities
Research and Development	Research Coordination Committee to help faculty members to submit and carry out research and consultancy projects
Industry Interaction / Collaboration	A good industryinstitute 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.

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

E-governace area	Details
No Data Entered/Not Applicable !!!	

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	Name of the professional body for	Amount of support
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		for which financial support provided	which membership fee is provided	
2018	Prof. V.S. Ashtekar	RCF	0	4000
2018	Dr. S. D. Khandekar	Faculty Development Programme on Data Science at Govt. Residence Womens Polytechnic, Tasgaon (13.05.2019 to 19.05.2019)	0	800
2018	Dr. Kodag P. B.	One Week Workshop on INDUSTRIAL CIVIL AND STRUCTURAL DESIGN LEVERAGING SOFTWARE (TEKLA) sponsored by All India Council for Technical Education (AICTE)", 27 May 1 June, 2019, organized by the Department of Civil Engineering, College of Engineering, P	0	1000
2018	M. V. Bhogone	One Week Training Programme on Wind Effects on Structures	0	41000
2018	Dr. J. P. Bhusari	One Week Training Programme on Wind Effects on Structures organised by VNIT Nagpur	0	4100
2018	Dr.A.A.Aagarkar	NPTEL course on Internet of Things	NPTEL	500
2018	Mr.A..A.Utikar	FDP on "Problem solving and Programming	FDP under SPPU	500

2018	C. R. Kuwar	Faculty orientation W/s on BE Rev. 2015 syllabus for RMT at Imperial COE R, Wagholi, Pune	0	450
2018	S. S. Kaniatkar	Faculty orientation W/s on BE Rev. 2015 syllabus for DI VP at Dr. DYPIOEMR Akurdi, Pune	0	450
2018	Dr. S. O. Rajankar	NPTEL Online certification of DTSP	0	1100
2018	Mrs. M. M. Wankhade	NPTL Online certification of DTSP	0	1100
2018	Dr. Mrs. R. V. Pawar	NPTL Online certification of DTSP	0	1100
2018	Mr. Y. D. Chincholkar	NPTL Online certification of ITCT	0	1300
2018	Mr. A. R. Yawale	NPTL Online certification of Introduction to internet of things	0	1100
2018	Mr. Y. D. Chincholkar	Faculty orientation W/s on BE Rev. 2015 syllabus on Brodband commu. System	0	450
2018	Mr. S. B. Takale	NPTL Online certification of Problem solving through pro. In C	0	1100
2018	Mrs. M. N. Namewar	FDP on Machine learning at VIIT	0	450
2018	Mrs. S. S. Patil	FOW/s on BE 2015 course on elective IV	0	150
2018	Mr. N. K. Gaudgaon	NPTL Online certification of Nature and Properties of Materials	0	1100

2018	Mr. S. S. Aithal	NPTL Online certification of Refrigeration and Air conditioning	0	1100
2018	Mrs. N.S. Gohel	NPTL Online certification of Heat exchangers	0	1100
2018	R.S.Katikar D. R Naole S.S.Patil	Industrial Visit	0	648
2018	R.K.Palaekudtewar T.D.Mali R.S.Katikar	Industrial Visit	0	450
2018	P.Biradar J.H.Shinde	Industrial Visit	0	270
2018	Dr. Ujjwal Mishra	NPTEL online Certification Exam	0	600
2018	Mrs. Archana Borde	NPTEL online Certification Exam	0	1200
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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)
2018	Faculty Development Programme on the Subject 'Engineering Mechanics'	Nil	28/12/2018	28/12/2018	17	0
2018	Faculty Induction Programme on the Subject 'Engineering Mechanics Practical'	Nil	15/03/2019	15/03/2019	7	0
2019	MBA Department Harvard Case	Nil	28/11/2018	28/11/2018	6	0

	Teaching FDP for Commerce Finance Faculty					
2018	Seminar on HDL Workflow for end to end Communication System	Nil	31/10/2018	31/10/2018	35	0
2018	Introduction to Microsoft Innovative Educator Program	Nil	14/12/2018	14/12/2018	25	0
2018	Microsoft Innovative Educator Program	Nil	14/12/2018	14/12/2018	20	0
2018	Three Days workshop on Python and R programming	Nil	27/08/2018	27/08/2018	5	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Training Program on "Unit Operations Unit Processes with Plant Visit"	2	18/06/2018	23/06/2018	6
Short term course for NSS program officers/ Area coordinators	1	17/08/2018	22/08/2018	6
Successfully completed the course "Heat Transfer"	1	01/01/2018	30/04/2018	120
STTP on Advances in Wastewater Treatment	1	28/05/2018	02/06/2018	6

Workshop Advances in Effluent Treatment: An Industrial Perspective	1	05/10/2018	06/10/2018	2
Wind Effects on Structures	1	29/10/2018	02/11/2018	5
Recent advances in flood Modelling	1	03/12/2018	08/12/2018	6
24x7 water supply system with advanced transport and distribution modelling in urban water system	1	04/02/2019	09/02/2019	6
Advanced Composite	1	01/07/2018	31/10/2018	120
Wastewater treatment and recycling	1	01/07/2018	31/10/2018	120
Research Methodology and Data Analysis	1	28/09/2018	29/09/2018	2
Electronics waste management	1	01/04/2019	31/05/2019	60
Earthquake Resistant Design of Steel Moment Resisting Frame Buildings	1	14/02/2019	16/02/2019	3
FDP on BIM workflow for AEC Industry	1	20/12/2018	20/12/2018	1
Introduction to Composite	1	01/01/2019	30/04/2019	120
FDP on Engineering Mechanics	11	28/12/2018	29/12/2018	2
FDP on Data Science	1	13/05/2019	19/05/2019	7
Certified Microsoft Innovative Educator	19	14/12/2018	14/12/2018	1
Syllabus Orientation	8	14/06/2018	14/06/2018	1

Workshop BEIT (2015 pattern) SemI				
Syllabus Orientation workshop BEIT (2015 Course) Semester II	5	28/12/2018	28/12/2018	1
NPTEL Online Courses	4	01/02/2019	30/04/2019	90
Seminar on Indu stryAcademia Interface	4	22/02/2019	22/02/2019	1
Three Days workshop on Python and Rprogramming	5	27/08/2019	30/08/2019	3
FDP on Cyber Security	4	10/06/2019	15/06/2019	6
FDP on Data Science	2	10/06/2019	14/06/2019	6
Seminar on Ubiquitous Computing Using Android Studio	4	23/01/2019	23/01/2019	1
DesignThinking By Binghamton University	2	12/02/2019	12/02/2019	1
Recent Trends in MEMs, Power Sources and Electronic Packaging	1	25/06/2018	30/06/2018	6
Faculty Orientation Programme on Embedded Systems and RTOS	1	12/07/2018	12/07/2018	1
Faculty Orientation Programme on Digital Image and video Processing	2	12/07/2018	13/07/2018	2
Design Development Fabrication Measurement Techniques for Next Generation Antennas (DDFMT2018	1	30/11/2018	06/12/2018	7

Faculty Orientation Programme on Machine Learning	4	21/12/2018	21/12/2018	1
National Level Workshop on Machine Learning	10	29/01/2019	30/01/2019	2
How to write effective research proposal for funding	1	25/03/2019	25/03/2019	1
Workshop on Technical Paper Writing	1	20/03/2019	20/03/2019	1
10th INUP Familiarization Workshop on Nanofabrication Technologies	1	30/11/2018	01/12/2018	2
Participation in NPTEL Workshop	2	29/11/2018	30/11/2018	2
FOUNDATION OF RESEARCH METHODOLOGY	1	01/08/2018	31/08/2018	30
VALIDATION OF MATHEMATICAL MODELS WITH MODEL BASED DESIGN TECHNIQUE USING " MATLAB AND SIMULINK"	1	10/12/2018	21/12/2018	15
INTELLECTUAL PROPERTY RIGHTS FOR RESEARCH	1	12/11/2018	16/11/2018	6
Seminar on technology for "FirstTimeRight " Design	2	04/06/2018	04/06/2018	1
Advance in materials, micro machining and management practices	1	26/11/2018	30/11/2018	6
Technology based Entrepreneurship and Advanced manufacturing	1	24/06/2019	03/07/2019	12

process				
FDP on Enhancing Soft Skill	2	01/02/2019	01/04/2019	60
FDP on Emotional Intelligence	2	01/02/2019	01/04/2019	60
FDP on Financial Institutions and Markets	1	01/01/2019	23/04/2019	90
FDP on Micro Economics theory and Application	1	01/07/2018	01/10/2018	90
FDP on Managerial Economics	1	01/02/2019	01/04/2019	60
FDP on Marketing Management	1	01/02/2019	01/04/2019	60

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
231	231	61	61

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
268	309	5346

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

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	National Board of Accreditation (NBA)	Yes	Academic Monitoring Committee (AMC)
Administrative	No		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

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	
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Value Addition Program	21/08/2018	01/09/2018	31/03/2019	3807
2018	Students Training Program (STP)	21/08/2018	01/08/2018	31/10/2018	2900
2018	Students participation in National, International Competitions	21/08/2018	01/07/2018	30/03/2019	171

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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
Gender Championship	01/07/2018	30/06/2019	1	1
Women's day celebration	08/03/2019	08/03/2019	56	0

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

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

The use of solar energy for day time lighting, battery backups and for heating the water are few of the aspects promoted at various campuses under STES. Also retaining the contours by positioning the buildings parallel to the counters as far as possible was the planning aspect promoted, which saves heavy cutting and filling. This aspect also serves the purpose of getting the advantage of wind direction which in turn saves the expenditure on ventilation. 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: ? Apart from this, isolated switches for each floor have been put in each building. ? Solar water heaters have been installed in various hostels

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
2018	1	1	24/06/2018	53	First Year Engineering Admission Facilitation Center	Submission of Application	450
2018	1	1	10/07/2018	44	Direct Second Year Engineering	Submission of Application	350

					Admission Facilitation Center		
2018	1	1	07/07/2018	43	Master of Engineering Admission Facilitation 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	16/06/2018	<p>Some of the Code of conduct (Service Rules) are as follows</p> <ol style="list-style-type: none"> 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
Road Safety Management	27/08/2018	27/08/2018	250
Cyber Security and information	25/08/2019	25/08/2019	277
Human Behavior	28/08/2018	28/08/2019	264
Cyber Crime and Law	25/04/2019	25/04/2019	250
Team Building , Leadership and Fitness	26/04/2019	26/04/2019	269
MICROSOFT CERTIFICATION COURSE and Exam on Cyber Security	15/10/2018	17/10/2019	30
Road Safety Management	27/08/2018	27/08/2018	250
Cyber Security and information	25/08/2019	25/08/2019	277
Road Safety Awareness	07/02/2019	07/02/2019	139
Lecture on road safety	17/10/2018	17/10/2018	32
Road Safety Awareness	27/08/2018	27/08/2018	360
Humanity and social sciences	26/09/2018	26/09/2018	110
Seminar on Cyber Security	21/02/2019	21/02/2019	30
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Singad Institutes are known for their green campuses. Greener practices are an integral part of our daytoday activities. ? Institute has a wastewater treatment plant. Treated wastewater is used for gardening purpose, thus reducing the dependency on fresh wat ? Installation of water saving washers, aerators are practiced at many places. ? Inculcating electricity conservation culture amongst students and faculty members. ? Paperless office communication wherever possible, use of one side stationery for printing, thus helping reduce adverse environmental impact are regularly practiced. ? Faculty members are encouraged to practice carpooling.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Entrepreneurship Development Cell (EDC): To prepare students for entrepreneurship. The institute has active Entrepreneurship Development Cell (EDC) which organizes expert lectures conducted by industrialists and experienced professionals to develop entrepreneurial skills among the students. Some of the students of this institute have already made progress in starting their own startup companies after their graduation. **Sinhgad Students Council (SSC):** The aim of this council is to groom student in technical, social,

