



Yearly Status Report - 2019-2020

Part A


Data of the Institution

1. Name of the Institution	SINHGAD INSTITUTE OF TECHNOLOGY LONAVALA
Name of the head of the Institution	Dr. Manik .S.Gaikwad
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02114673356
Mobile no.	9552569864
Registered Email	principal_sit@sinhgad.edu
Alternate Email	dchaudhary.sit@sinhgad.edu
Address	Gat No.309/310, Off Mumbai- Pune Expressway, Kusgaon (Bk), Lonavala, Tal- Maval, Dist- Pune
City/Town	Lonavala, Dist:Pune
State/UT	Maharashtra

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Pincode	410401																		
2. Institutional Status																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr. Dilip Damodar Chaudhary																		
Phone no/Alternate Phone no.	02114673379																		
Mobile no.	9372810161																		
Registered Email	dchaudhary.sit@sinhgad.edu																		
Alternate Email	dipra1987@gmail.com																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://drive.google.com/file/d/1kJT5nlr83rvWGlMP2yR6jPA-K7Hocyzz/view																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes, whether it is uploaded in the institutional website: Weblink :	http://cms.sinhgad.edu/sinhgad_engineering_institutes/sit_lonavala/academic_calendar.aspx																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B++</td> <td>2.81</td> <td>2016</td> <td>16-Sep-2016</td> <td>15-Sep-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B++	2.81	2016	16-Sep-2016	15-Sep-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B++	2.81	2016	16-Sep-2016	15-Sep-2021														
6. Date of Establishment of IQAC	13-Jan-2017																		
7. Internal Quality Assurance System	ATTESTED																		
Quality initiatives by IQAC during the year for promoting quality culture				 Dr. M. S. GAIKWAD PRINCIPAL															

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
IoT based projects	15-Jul-2019 30	45
Internship from various IT industries	31-May-2019 90	101
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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
SIT/Mech/P. E. Lokhande	ASPIRE	SPPU/ASPIRE	2019 730	300000
SIT/IT/P. Abhonkar	ASPIRE	SPPU/ASPIRE	2019 730	20000
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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 :

1

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

1. Value Addition Program, 2. Skill Upgradation, 3. Spoke Tutorials 4. GATE /GRE 5. NPTEL courses

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

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Plan of Action	Achivements/Outcomes
To conduct an Academic Audit of Departments in the mid of the semester	Academic audit was conducted. Different meetings were held to facilitate interaction between IQAC, Departments and various stakeholders.
To initiate NBA work	Initiated in the month of February 2020.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Academic Monitoring Committee (AMC)	14-Sep-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	20-Jan-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	Student information for training and placement activities • Maintaining the college website • Communication of important information to general public through website and Conventional notices • Student information through Talley.
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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

Sinhgad Institute of Technology, Lonavala (SIT) is the affiliated institute, where the institute implements the curriculum prescribed by Savitribai Phule Pune University (SPPU). The SPPU provide the academic calendar for every semester. The university academic calendar provides date of commencement of the academic session, duration of semester, period of examinations like university practical/oral examinations and final semester examinations etc. Based on the


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university academic calendar, college prepares the academic calendar which provides detailing of the curriculum implementation. For effective implementation of the curriculum, the standard process is developed and deployed. In the Institute, The Principal of the college conducts meetings with the various departments heads to develop strategies for effective implementation of the curriculum and accordingly academic calendar of institute get prepared. The tentative dates are mention for commencement of the academic session, duration of semester, period of internal assessment tests like Unit tests, Prelim examination, mock practical/oral exam, mock online exams, final semester examinations etc. Other activities like guest lectures, workshops/trainings for students, industrial visits, project reviews are also planned and get executed accordingly. The department allocates subjects to teachers and prepare time table. The teachers prepare the teaching materials and delivery content before the commencement of teaching. The teaching/practical plan is prepared by the individual and conducted lectures/practicals accordingly. Central AMC works on monitoring of the academic calendar and all activities in the Institute

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Nil	Nil	Nil	00	Nil	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

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

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer (PUC, DMW, STQA, OR, MC)	17/06/2019
BE	IT (BAI, STQA, SC, IoT, SMA, PC),	17/06/2019
BE	E&TC (IoT, EPD, ML, AVE, WSN)	17/06/2019
BE	Mechanical (FEA, AE, EAM, IE, PDD)	17/06/2019
BE	ELECTRICAL (PQ, RES, EHV, RSDR, HVE, SG)	17/06/2019

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled

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C Programming (42 hours)	01/08/2019	16
Machine Learning 18Hrs.	11/02/2020	141
IOT (18 Hrs)	11/02/2020	60
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer	60
BE	IT	9
BE	EnTc	17
BE	Mech	68
BE	Electrical	4
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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 feedback on curriculum aspects and courses from the different stakeholders such as students, alumni, parents and employers collected by the institution. The feedback is analyzed and valuable suggestions given are considered and necessary actions are executed. The feedback physically/online from stakeholders viz. Students and Parents on different aspects. Feedback from industry, R D establishments, professional bodies also are obtained. During alumni interaction suggestions and feedback is collected. The questionnaire is intended to collect information relating to your satisfaction towards the curriculum, teaching, learning and evaluation. After collecting and assessing the feedback from the various stakeholders on curriculum aspects, the valuable suggestions if any, necessary actions are executed. The Institute included the following Curriculum Aspects which enrich the curriculum: 1. Flexible and Choice Based Credit System to learn soft core elective courses, professional elective courses and open elective courses offered across the departments. 2. Value added programs 3. Courses on communication skills / Professional ethics / Environmental Engineering, and Employability Skills. 4. Design experiments in many laboratory courses thereby stimulating creativity and innovation in students. 5. Introduction of Project Based Learning approach. Every semester institute collects feedback from students, parents, alumni employers to strengthen the quality of teaching-learning environment and to provide best possible facilities. At the end of the semester, Institute collects online feedback on teaching learning process from students through filling the feedback forms. Proper counseling done for necessary improvement for teachers having poor performance. Institute organizes parent teacher meet at every

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semester. During parent teacher meet feedback is taken from parents to enhance academic excellence of their wards by taking suggestions directly. The parents gave a very positive feedback regarding the activities and facilities provided by the college. Few parents gave suggestions like arrange remedial sessions for failed students, create awareness about research going on worldwide among students encourage them for self-study. Considering valuable suggestions of the parents remedial sessions are conducted for failed students results have improved, students are motivated to utilize lab facility library facility beyond college time, guest lectures/seminars arranged on recent technologies in IT industry. Feedback from Alumni industry/employer also taken. Few suggestions are like student must undertake internship in summer and winter vacation, conduct more entrepreneurship induction programs, encourage project based learning, conduct more workshops that will enhance the student's technical skills. Institute has taken actions for Improvements like guest lectures/seminars arranged for entrepreneurship awareness, emphasis given on quality mini projects, internship opportunities provided to students via faculty contacts alumni.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Electrical	60	25	19
BE	Mech	240	12	8
BE	EnTC	120	19	15
BE	IT	60	56	52
BE	Computer	180	172	159

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2200	10	149	3	151

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
151	151	139	32	5	141

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

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

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

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Teacher Guardian (TG) system is available in the institution. Per fifteen students one TG is allotted and he/she is responsible for all parental support towards the students. Objective: To Guide students in their academic and personal problems. Responsibilities: • Resolve students' queries. • Motivate students for improvement of their performance. • Call and discuss with parents if their ward is not regular in college. • Take weekly meeting of students to address their all issues. • Send attendance and unit test marks to parents at the end of every month via letter/SMS • Maintain the leave applications of students and handover to class coordinator at the end of semester. Motivate to work on creative learning.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2210	151	1 : 15

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
151	151	Nil	Nil	12

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
2020	Dr. D.D.Chaudhary	Vice Principal	Appreciation from Perugia University, Italy for worked as a PhD Thesis reviewer.
2019	Dr. D.D.Chaudhary	Vice Principal	Consecutively for last four years, appreciated by NPTEL as ACTIVE SPOC for Sinhgad Institute Lonavala.
2019	Dr. S. D. Babar	Professor	Recognition as a Ph.D research guide

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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	618524510	SE-SEM-I	30/05/2020	30/10/2020
BE	618524610	SE-SEM-II	25/11/2019	20/01/2020
BE	618561210	TE sem II	30/05/2020	30/10/2020
BE	618529310	BE sem II	30/05/2020	ATTESTED

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

To establish the level of students' progress, most educationists route to the use of various forms of continuous assessment strategies. Continuous assessment of learners' progress could be defined as a mechanism whereby the final grading of learners in the cognitive, effective and psychometric domains of learning systematically takes account of all their performances during a given period of education. The use of continuous assessment is seen as a part of the measures that can be used to improve educational outcomes as well as students' learning. At the institute level, we have continuous assessment policy wherein continuous monitoring and checking of experimental journals and assignments is performed on regular basis. Student's performance is checked with the unit test and prelim exams. Spoken tutorial tests are conducted on regular basis to evaluate

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

Academic calendar is used to schedule all technical and non-technical activities during the academic year. It is useful for smooth conduction of activities. As it includes all dates for internal exams like unit tests, preliminary exams and mocks, students can prepare accordingly for internal exams. Also the guest lectures and workshops can be executed as per the plan. Based on the university academic calendar, college prepares the academic calendar which provides detailing of the curriculum implementation. For effective implementation of the curriculum, the following process is developed and deployed. At the outset, the Principal of the college conducts meetings with the various department heads to develop strategies for effective implementation of the curriculum and accordingly academic calendar of institute get prepared

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)

<https://drive.google.com/file/d/1y8yvJ7FKxjyVAt6m5zWx7CqAic31btV9/view>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
618529310	BE	Elect	67	67	100
618561210	BE	Mech	434	427	98.39
618537210	BE	EnTC	175	174	99.44
618524610	BE	IT	72	72	100
618524510	BE	Computer	189	189	100

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://docs.google.com/forms/d/1E26sH2sCo_1R1CwvjMTOihOeRMh6NaTj1P9uNfNcZbE/viewanalytics

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

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3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	730	Savitribai Phule Pune University	200000	100000
Projects sponsored by the University	730	Savitribai Phule Pune University	300000	150000

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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
Research, Funding Projects IPR	EnTC	07/05/2020
Python 3.4.3	Comp	25/04/2020
5 days webinar series on DIGI-TECH teaching learning	Comp	18/05/2020
Android	Comp	06/02/2020
Social Competence	Comp	08/02/2020
Seminar on "Smart vehicle"	Comp	07/02/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Adaptive Sectoring Scheme for Reliability in AODV Routing with ROC no.A-1 33064/2020 on 10/10/2019	Dr. M.S. Chaudhari	Govt of India	10/10/2019	copy right
Smart water Hycacinth and alge cleaning (Appication no -201921002566)	Sushmita Gupta	Indian Patent office	28/03/2019	Patent
A DEVICE FOR RESCUE FROM BORE-WELL	D .K. Shende	ndian Patent office	01/06/2020	Patent

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
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Nil	Nil	Nil	Nil	Nil	Nil
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
Nil	Nil	Nil

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

Name of the Department	Number of PhD's Awarded
EnTc	2
FE	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer	4	0
National	Computer	1	0
International	Mech	7	0
International	F E	3	0
International	EnTC	15	0

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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
EnTc	1
Comp	1

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
EEHRP: Energy Efficient Hybrid Routing Protocol for Wireless Sensor Network	Dr. D S Mantri	GISFI 32 GSSM	2020	0	Sinhgad Institutes Pune CTIF Global Capsule , Aarhus University, Herning Denmark	Nil
Dementia Patient Activity Monitoring	D K Shende	International Journal of Trend in	2019	2	Department of Electronics and T	2

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and Fall Detection using IOT for Elderly		Scientific Research and Development (IJTSRD) Volume: 3 Issue: 4			elecommunication Engineering Sinhgad Institute of Technology Lonavala, Pune, India	
Intent Aware Optimization for Content-Based Lecture Video Retrieval Using Grey Wolf Optimizer	Dr S B Waykar	Journal of Engg. Research	2019	0.21	Research Scholar, Dept. of Computer Science Engineering, Specialty of Image Processing Vel Tech Rangarajan Dr. Sagunthala RD Institute of Science and Technology, Avadi, Chennai, India Rangarajan Dr. Sagunthala RD Institute of Science and Technolo	3
Supervised Word sense Disambiguation with Recurrent Neural Network Model	Dr. S. D. B abar	International Journal of Engineering and Advanced Technology	2019	10	PhD Department of Computer Engineering, Sinhgad Institute of Technology, Lonavala, Pune (India).	1
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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 mentioned in the publication
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Spray Pyrolytic Deposition of Zirconium Oxide Thin Films: Influence of Concentration on Structural and Optical Properties	Dr. M A Waghmare Dr. P. S. Patil	Engineered Science	2019	5	8	SIT Lonavala
Securing the Data Deduplication to Improve the Performance of Systems in the Cloud Infrastructure	N N Pachpore	Springer Nature Journal Asset Analytics book series (ASAN)	2019	1	1	PIET Nagpur
Crow Whale-ETR: Crow whale optimization algorithm for energy and trust aware multicast routing in WSN for IoT applications	D K Shende	Springer Wireless Networks The Journal of Mobile Communication, Computation and Information	2019	2	10	Dipali K. Shende S. S. Sonavane Wireless Networks volume 26, pages 4011-4029 (2020) Cite this article 130 Accesses Metrics
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	65	23	14
Presented papers	9	Nil	Nil	1
Resource persons	1	6	Nil	6
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3.4 – Extension Activities

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

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Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
NSS CAMP	B-055, BSF-111, SIT LONAVALA	2	250
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Participation in State Level disaster management training camp-AVHAN 2019 to Mr.Gaurav Pund	NDR FRIEND	Govt of Maha	1
Participation in VISHWAKARMA CHHATRA AWARD	VISHWAKARMA CHHATRA AWARD	AICTE	10
Participation in Satyamev Jayate Water Cup 2019	JALDUT	Panni foundation	1
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/ collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
NSS	SIT Lonavala	Special Winter Camp	6	250
NSS	SIT Lonavala	Lokjagar Program	4	250
NSS	SIT Lonavala	Swachh Wari Abhiyan	4	250
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Nil	Nil	Nil	Nil
No file uploaded.			

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	Duration From	Duration To	Participant

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		with contact details			
Consultancy	E-earning Courses	vInnovative Pvt.Ltd, Lonavala	01/01/2019	31/12/2020	Faculty and students
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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
Barclays GTT	Nil	Nil	Nil
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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
9000000	9065350

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with LCD facilities	Existing
Laboratories	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 partially)	Version	Year of automation
AutoLib Software	Partially	second	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	19691	7706231	225	85695	19916	7791926
e-Books	1350	Nil	1660	Nil	3010	Nil
Journals	30	45742	Nil	Nil	30	45742
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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
NA	NA	NA	Nil


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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	398	21	2	1	2	1	5	100	70
Added	0	0	0	0	0	0	0	0	0
Total	398	21	2	1	2	1	5	100	70

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

100 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
NA	NA

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
1550000	1497577	1720000	1770958

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)

Round the clock security arrangements have been made available on the campus. The hostel and Campus premises are under CCTV surveillance. Free WiFi facility is available at campus. Time to Time maintenance is carried out for it. AT campus OPD is arranged for students for routine medical services, with quality medical staff is available in the campus for any mini problem and in case of any major problem the staff and students can avail the facility free of cost at. Smt. Kashibai Navale Medical College and General Hospital. A vehicle is made available to meet the medical emergencies. The institute has the students Safety Insurance Policy. This policy is renewed each year. According to this policy, all students studying in the institute are insured. Group Insurance scheme is also provided to all employees. Institute has hostel facilities .Each room has sufficient space and has attached bath cum lavatory. The rooms are fully furnished. Additional facilities for cooking, washing, solar water heater etc. are also provided. There are separate residential blocks on the campus, providing accommodation to faculty and other supporting staff members. Clean, hygienic and quality food is available at subsidized rates in the mess of all the hostels. There are separate mess for boys and separate mess exclusively for girls in the campus. For pure hygienic water supply double carbon purification filler and aquagaurd purifiers are available in campus. A new sports complex at campus has been established along with existing sports facilities. This includes a huge cricket ground which matches the international standards, new tennis courts have been provided for practice and to hold top class.

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tournaments. There is also well maintained swimming pool. Other facilities like laundry, photocopying centers have also been made available to the students well equipped laboratories are available at each department with maintenance.

The library has a rich collection of technical, personality development communication skill and Career development titles more than 16122 books with 2801 titles. Library book collection autobiographies and a few classics. AutoLib Library Management Software with OPAC (Online Public Access Catalogue) is available, which is convenient to the users to know about the library Collection and its availability Internet facility, WiFi Connectivity, reprography and printing facility, Necessary. E-resources supporting latest technologies are available in library.

http://cms.sinhgad.edu/sinhgad_engineering_institutes/sit_lonavala/about_institute.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	0	0	0
Financial Support from Other Sources			
a) National	Social Welfare Government Scholarship	1437	82999225
b) International	NA	Nil	0
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Language Lab (IIT spoken tutorial)	Nil	10	IIT, Mumbai Remote Centre
Bridge Courses	01/08/2019	88	AMZ India Pvt. Ltd.
Softskill Development	17/06/2019	799	STP-I Communication Language Lab
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	GATE	264	8	9	8
2019	GRE	65	3	11	ATTESTED
2019	Higher	60	4	6	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
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Accenture	323	77	TCS Off campus	56	10

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	4	SIT Lonavala	EnTC	CDAC, IIM	MBA, PG-DBDA
2019	4	SIT Lonavala	Comp	University of Potsdam, Germany, D.Y. Patil, Akurdi	M.S. in Data Science, M.Tech

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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	18
GRE	4
TOFEL	8

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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
Group Dance in SURABHI 20	Institute level	17
Fashion Show in SURABHI 20	Institute level	25
Aegis of rock in SURABHI 20	Institute level	10

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	SPPU Inter college Table Tennis [men] competition	National	1	Nil	Nil	Ashish Dhakol , Aditya shaily (mech) , Hrithik Gote , kunal bhanawat
2019	Young Researcher Award by Institute of Scholars	National	Nil	1	71544093E	Pradhesh Mhatre

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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)

Institute provides a platform for the different participation of the students in the various academic administrative bodies including other activities. This allows the students in gaining leadership qualities, rules, protocols and execution skills. Its selection, constitution, activities and funding:

- Each council consists of a representative council, which is called 'class committee' and includes student members too.
- The student members bring forward their views and proposals of the entire class with respect to the faculty, subjects, syllabus and other things related to the class.
- The composition of student members is of one topper, one average and one slow learner (the one who has more integrity with other students) of each different section and are nominated as class representatives, for all the sections from 1st year to final Year.
- The Student Council aids the students share their ideas, interests, and concerns with lecturers and principal. They often also help raising the funds for wide activities, including social events, community projects, helping people in need and college reform.
- Various programs like paper presentations, workshops and seminars are organized by these bodies every year. We have formed 6 student committees such as: Ladies Representative (LR), Cultural Secretary (CS), Assistant Cultural Secretary (ACS), Technical Secretary (TS), Sports Secretary (SS), Social Activity In charge (SAI), Magazine Coordinator, Adult Education, IQAC Coordinator, and NSS Coordinator. NSS Coordinator . Social Activity Coordinator.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

An Institute's alumni are the reflection of its past, representation of its present and a link to its future. The Alumni Association of SIT, Lonavala was registered in the academic year 2009-10 with the view of creating an engaged, supportive alumni network is crucial to an institution's success. If communication stops once graduates leave an institution, their understanding of

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the institute will become stale. Good alumni relationships bring many benefits to both the institution and the alumni. SIT, Lonavala is one of the most renowned institutions with vibrant alumni community that strives to build strong alumni community by leveraging alumni networks and expertise to boost careers of students and alumni. It will also be enhancing the brand image of our institution through notable alumni activities SIT, Lonavala can derive utmost benefits from engaging their alumni in terms of: 1. Support System: An engaged alumni network allows benefiting from the skills and experience of our graduates, by offering Institute support to our students. Alumni are our most loyal supporters and our best ambassadors, offering invaluable marketing and promotion across their personal and professional networks. 2. Assistance in Employability: Talented alumni will likely have a wealth of experience and skills to share with current students via talks and meets. In certain cases, this could go even further with alumni offering to practically support students in work placements and help them launch their careers. SIT's alumni create an engaged alumni network which is beneficial because engaged graduates are likely to give back to the Institute. Alumni network has a real life benefit for current students. Alumni also donate their valuable time to offer career support to current students. This enhances the students' experience and gives them that competitive edge in today's tough job market. The alumni network of a college is one of the biggest sources of placement opportunities to the students. Alumni can help students get placed at their respective organizations. 3. Reconnect Alumni can play an active role in voluntary programs like mentoring students in their areas of expertise. Alumni get in touch with students and share their expertise and best practices in a given field.

5.4.2 – No. of enrolled Alumni:

7100

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

80000

5.4.4 – Meetings/activities organized by Alumni Association :

The policies about alumni operations are decided by the STES management. A full freedom (academic, administrative and financial) is then given to the Principal, HODs, and faculty. The details are as follows: • Principal is empowered to appoint appropriate person as the HOD who has leadership qualities and good listening ability to understand the students and faculty, their situations and expected outcome. • HOD is empowered to allocate specific subjects to appropriate faculty to give justice and get maximum quality results. In addition to the academic workload, the HOD also assigns few administrative duties to the individual faculty based on the ability and the leadership qualities of the individuals. • The institute has formed IQAC and it has departmental IQAC coordinator for each department. That coordinator helps in administrative and academic activities throughout the academic year. • Every faculty member has freedom of deciding the suitable teaching methodology by understanding the time frame and evaluation mechanism of SPPU. • Involvement of faculty in various activities and the interest shown by them while executing specific task gives an idea to the HOD to understand the strength of the faculty. HOD is empowered to promote specific faculty to handle dedicated events in best possible way. This process is not only grooming the leadership of HODs but also useful to create a followers while executing various activities efficiently. Similar approach is also followed by the Principal to promote and encourage HODs, faculty and staff while executing specific activities for the development of the institution. • Faculty members of every department follow all the instructions given by the HOD. They are not only

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handling the responsibilities of completion of academics but also help HOD in various administrative duties such as TG, CT, and coordinator of specific committee. Many dedicated faculties are also getting opportunity to perform their duties at institute level.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The policies are decided by the STES management. A full freedom (academic, administrative and financial) is then given to the Principal, HODs, and faculty. The details are as follows: • Principal is empowered to appoint appropriate person as the HOD who has leadership qualities and good listening ability to understand the students and faculty, their situations and expected outcome. • HOD is empowered to allocate specific subjects to appropriate faculty to give justice and get maximum quality results. In addition to the academic workload, the HOD also assigns few administrative duties to the individual faculty based on the ability and the leadership qualities of the individuals. • The institute has formed IQAC and it has departmental IQAC coordinator for each department. That coordinator helps in administrative and academic activities throughout the academic year. • Every faculty member has freedom of deciding the suitable teaching methodology by understanding the time frame and evaluation mechanism of SPPU. • Involvement of faculty in various activities and the interest shown by them while executing specific task gives an idea to the HOD to understand the strength of the faculty. HOD is empowered to promote specific faculty to handle dedicated events in best possible way. This process is not only grooming the leadership of HODs but also useful to create a followers while executing various activities efficiently. Similar approach is also followed by the Principal to promote and encourage HODs, faculty and staff while executing specific activities for the development of the institution. • Faculty members of every department follow all the instructions given by the HOD. They are not only handling the responsibilities of completion of academics but also help HOD in various administrative duties such as TG, CT, and coordinator of specific committee. Many dedicated faculties are also getting opportunity to perform their duties at institute level.

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Examination and Evaluation	The formative evaluation is done by three continuous assessment tests conducted by the Institution. The continuous assessment marks secured by the students are submitted to the University through its web portal. The continuous assessment aids in identification of the slow learners. Further counseling and special training are imparted to the slow learners to enable them to perform better in the University Examinations. • Academic colander is made well in advance

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considering all the activities useful for quality outcome. • Conduction of mock examination and evaluation to understand effective TLP while transforming the subject matter amongst the students. • External examiners are appointed for Practical and Oral examinations. • Question paper setting of University Examinations is done by the University. • For internal tests assessments of answer papers is done and are shown to the students. • The Question paper pattern is as per the University question paper. • Through assessment the idea about the topic understanding by the students is obtained for further action if any.

Research and Development

The institute ensures research in faculty and students by: • Developing infrastructural facilities, • Promoting and encouraging faculty for research and publication, • Promoting qualification improvement program through research, • Encouraging students to undertake industry projects, • Encouraging students to present technical papers, • Signing MoUs with industry / foreign universities, • Encouraging faculties to apply for research grants

Library, ICT and Physical Infrastructure / Instrumentation

• At SIT a Library committee is formed and the responsibilities of library committee are advising in collection, development, selecting books of respective departments. To enrich the library by procuring leading national / international print and journals, eBooks. Guiding in budget allocation, policy decisions, forming rules regulations and controlling its implementation. To advise librarian to solve administrative problems. • Digital Library provides online access to eJournals and eResources. • Barcode based issue/return of books. • NPTEL, Spoken tutorial from IIT, Bombay are used for self learning in addition to class room teaching

Human Resource Management

The institute has optimized human resources by: • Recruiting qualified and experienced faculty as per the guidelines of DTE, AICTE, University and Government of Maharashtra Rules. • Facilitating and deputing faculty for higher studies, • Promoting industry interaction among faculty and staff, • Updating knowledge of faculty through

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	<p>FDP, visiting/guest faculty, • Training to nonteaching staff. • All sort of leaves as per Government rules are applied and implemented • Provident Fund Gratuity scheme are implemented to the employees • Temporary vacancies are filled up by local interview committee and management appointment as per requirement</p>
<p>Industry Interaction / Collaboration</p>	<p>III cell of the institute is making students industry ready through: • Expert lectures, industrial visits/site visits of specific domain, MoUs etc., • Student internship to get real world knowledge, • Interaction of faculty and industry expert, • Constructive suggestions while designing the curricula, • Developing skills with specific technology to the students, • Allowing the use of sophisticated equipments to the faculty and students, • Providing financial support/equipment/material/guidance for innovative projects, • Participate in teaching programmes, workshops and training programmes organized by the institute to adopt modern / latest technology in industry • Arranging Industrial visits.</p>
<p>Admission of Students</p>	<p>Online centralized Admission process is set by the Govt. of Maharashtra, Directorate of Technical Education (DTE, Mumbai) is followed and admissions are given as per the prevailing rules set by Govt. For the management quota seats, the seats are allotted purely on merit basis to the students based on their ranking.</p>
<p>Curriculum Development</p>	<p>The University decides curriculum which is implemented and to minimize the gaps as per needs of Industries additional efforts are taken to bridge the gap like: • Languages like Japanese, German etc are offered to the students who want to learn for self development. • For second, Third and Final year students Professional Skill Development courses like Personal Effectiveness and technical value addition, Interpersonal Skills, Leadership and Public Speaking, etc are additionally taught to the students. • All faculty members exploit their knowledge and ability to percolate the knowledge with the help of academic freedom given by the HODs with clear understanding of their responsibilities</p>

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and expected outcomes.

Teaching and Learning

SIT has used following strategies during academic year 201819 to enhance Teaching and Learning. 1. Outcome Based Education Implementation: Delivery of subject matter by a teacher is important for effective learning of students. The learning style of every student is different accordingly the teachers at SIT adopt the teaching methodology by understanding the students. By considering this fact the teachers shifted from traditional teaching method to innovative active and participative delivery method called outcome based education system. Therefore, SIT is practicing Outcome based education (OBE) system to improve the teaching learning process. 2. Use of dynamic Teaching Learning Techniques To improve the teaching learning process many innovative teaching tools are being used in SITs such as teaching methodology, teaching by giving live examples, Brainstorming, Audio/ Video tools, and activities involved teamwork etc. 3. Conduction of Remedial Classes Remedial classes are conducted for the weak students and the other students who require additional help. 4. Student feedback regarding teaching Feedback from the students is taken for the respective subject Teachers. Based on the feedback the low performers are counseled and the action plan made for improvement. It helps to improve teaching and learning process. 5. Use of Web based Online Courses In addition to classroom teaching, students are encouraged to apply for web based online courses like NPTEL, SWAYAM which gives them a platform to choose the courses of their interest and earn credits. 6. Implementation of STP, VAP, QALR, ET, and AMCAT etc. 7. Guest lectures 8. Mentor mentee scheme for development of students. To facilitate the achievement of the intended learning outcomes the following strategies are adopted •Preparation of teaching plan at the beginning of the semester. •Allotment of subjects based on skill sets of the faculty members. •Preparation of the course plan by the Faculty members. •Innovative teaching methodologies like Multimedia lectures, Assignments, quizzes, Group discussions and case studies etc

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

E-governance area	Details
<p>Planning and Development</p>	<p>There is a Admin Committee which includes members from like, an architect, an engineer, contractor, teachers and office staff to help out with the planning and execution of development/ modifications of the college infrastructure. This committee discusses financial matters regarding needs of departments, budget required and budget sanctioned so as to plan.</p>
<p>Administration</p>	<p>The website displays notices before admission, and reports of recent events conducted by students. Most of the college information is digitally maintained, like student information etc.</p>
<p>Finance and Accounts</p>	<p>Planning committee involves the participation of teachers and nonteaching staff. The budget sanctioned to the college is discussed with the committee. Budgets for each department at the beginning of the academic year also form part of the discussions. The Library committee in coordination with all departments takes book requirements and accordingly prepares and plans for the book budget.</p>
<p>Student Admission and Support</p>	<p>The Student Council links between the students and the staff. • Academic support is provided to weak students. • The Library welcomes students for reference and study. • A Book Bank is also available. • In case of serious illness, students are visited in hospital by staff and companions. • Financially challenged students receive support through 'Earn and Learn' Scheme.</p>
<p>Examination</p>	<p>The University conducts the examination. The schedule is given by the University. As per the schedule the examination is carried out in the institute. There are two types of theory exams like in semester exam and end semester exam. Institute also conducts various unit tests and prelim exam. Also mock practical and oral exams are conducted to prepare students for University final examinations.</p>

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

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Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Prof. S R Meshram	ICERA IIT Chennai	SIT Lonavala	3000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	1. NITTR: Problem based learning STTP by National Institute of Technical Teachers training and Research ,Kolkata	NA	12/02/2019	12/06/2019	106	Nil
2019	Optimization Techniques with Applications in Electrical Engineering	NA	15/06/2020	19/06/2020	45	Nil
2020	National Workshop On IOT: Transformation in Engineering Education for Digital India	NA	17/01/2020	18/01/2020	37	Nil
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional	Number of teachers who attended	From Date	To date	Duration
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development programme				
FDP on applications of advanced optimization Techniques in the fields of mechanical engineering	1	08/04/2019	13/04/2019	06
Webinar on "IT-Learning 2020-Industrial approach towards learning IT domains", organized by, Department of Information Technology, Sinhgad Institute of Technology, Lonavala,	100	07/01/2020	07/01/2020	01
View File				

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

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

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
GIS	GIS	Earn and Learn, Students Insurance Scheme

6.4 – Financial Management and Resource Mobilization

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

Institute conduct both internal and external audits periodically, There are two separate two committees for both the audits, external audit is done through auditor. Audit is done basically for following categories: 1. Faculty Salaries and Allowances 2. New Purchase 3. Faculty/Staff Welfare 4. Student Welfare etc.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
FROM STES	1512932	Grant for seminar/ Workshop, Gathering and Cultural Exp., Student Insurance etc

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6.4.3 – Total corpus fund generated

00

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	AMC/IQAC
Administrative	No	Nil	Yes	AMC/IQAC

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

- Parents who are working with Industry support for guest lectures, sponsored projects and student internships.
- Parent Teacher meetings held to know the progress of student.
- Parents contacted on a monthly basis regarding low attendance
- To get feedback, suggestions for improvement
- Support for the welfare of students, teachers and for the development of the institution.

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

For supporting staff various skill development programs were organized as mentioned below: 1) Hands on Microsoft Excel 2) Workshop on Stress Management 3) Wellness Program by Tej Gyan Foundation

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

- IQAC formation
- Research Cell established to foster academic research among staff and students
- Introduction of skill/capability enhancement courses
- Enhanced use of ICT by faculty in the teaching learning process
- Initiatives for a green campus

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year


Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Internship from various IT industries	22/08/2019	25/11/2019	28/02/2020	101
2019	Mid Semester Academic Review of teaching faculty	22/08/2019	30/08/2019	06/09/2019	80

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities


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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
Women Safety Guidance	28/08/2019	28/08/2019	40	10
Invited Talk MPSC/UPSC	04/10/2019	04/10/2019	60	110
International Women's Day Celebration	09/03/2020	09/03/2020	70	100

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

Percentage of power requirement of the University met by the renewable energy sources
1350 KWh/month generation by 10KW solar power plant (9Hrs5kW30days) . Celebration of days to inculcate environmental consciousness among students through celebrating days such as Environment Day, Earth Day and Water Day.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	No	Nil
Ramp/Rails	Yes	2
Rest Rooms	Yes	10
Scribes for examination	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	02/10/2019	01	Street Play	Social issues	120
2019	1	1	25/08/2019	10	Flood Donation Drive	Conducted flood donation drive at local to face any flood condition	95
2019	3	3	27/01/2020	2	LokJagar	Awareness on various	140

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social issues through drama and folk dance to create awareness among the local

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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)
NA	Nil	Due to Corona lock down could not publish.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
1. International Yoga Day	21/06/2019	21/06/2019	70
2. Tree Plantation	03/07/2019	03/07/2019	65

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

1. Tree plantation program organized by NSS on 03/07/2019 were more than 65 students participated in activity to plant variety of trees around the campus and make campus lavish and green. 2. Organization of Swachata Pandharvada is another initiative to make campus ecofriendly in which more than 95 participants involve in making cleaning of campus during 15/08/20 to 30/08/20. 3. In every year dept of mechanical conducted energy audit programmed through certified auditor to monitor the efficient usage of energy and it is observe that by Audit Report there is save in Energy . 4. Implementation and maintenance of solar power plant (10kW). 5. Reduction in energy use and reduction in cost of monthly energy-bill. 6. Cleanliness drive under Swachchh Bharart Abhiyan

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Students Training Programme designed for all semesters. (STP). STP is one of the most important activity conducted by our Institute for enrichment students in Employability of the students in various Industries. STP are well design as per semester to impart various skills in student step by step. as follows: STP I: Training on Communication Skills Part I : Listening, Reading (Technical and Nontechnical), Writing (Letter, Resume, CV, Report), Speaking (Public speaking, Group Discussion). STP II: Training on Communication Skills :Part II Listening, Reading (Technical and Nontechnical), Writing (Letter, Resume, CV, Report), Speaking (Public speaking, Group Discussion). STP III: Training on Technical Skills Training and refreshing of Technical Fundamentals. STP IV: Interview Preparation Practice of Group Discussion and Personal Interview. STP V: Value Addition Program Training from industry experts 2. Value Addition Program organised in concern with industry needs. This program is also help the student to get good job in Industries because they are designed as per Industries

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demand with future scope .This VAPs are mostly beyond university syllabus so as to make students aware with upcoming Technology. Because of both this practices our students are placed in good companies with good package. This also helps our students to start their startups and to go for higher studies in aboard.

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

http://cms.sinhgad.edu/sinhgad_engineering_institutes/sit_lonavala/about_institute.aspx

7.3 – Institutional Distinctiveness

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

STP is one of the distinctive feature of our Institute SIT Lonavala. A well designed path through various activities for the students to inculcate the social awareness, holistic development through engineering education. Various drives like voter's day, tree plantation, blood donation, village developments are purposely included part of the annual plan. Social connect is exercised in case of natural calamities by students to extend the all possible support to the needies. STP I: Training on Communication Skills Part I : Listening, Reading (Technical and Nontechnical), Writing (Letter, Resume, CV, Report), Speaking (Public speaking, Group Discussion). STP II: Training on Communication Skills :Part II Listening, Reading (Technical and Nontechnical), Writing (Letter, Resume, CV, Report), Speaking (Public speaking, Group Discussion). STP III: Training on Technical Skills Training and refreshing of Technical Fundamentals. STP IV: Interview Preparation Practice of Group Discussion and Personal Interview. STP V: Value Addition Program Training from industry experts. This STPs are well designed in coordination with Industrial requirements including academics and softskill. It help us to get good number of placements with good packages. Rigorous trainings and practice is given to faculty those who present it for the students.


Provide the weblink of the institution

http://cms.sinhgad.edu/sinhgad_engineering_institutes/sit_lonavala/about_institute.aspx

8.Future Plans of Actions for Next Academic Year

Teaching and Learning are two main pillars of the education system. To strengthen these systems, institute aims to introduce innovative practices in the academic year 2020-21 as mentioned below: 1. Periodic Academic monitoring by IQAC 2. Increase utilization of e-resources like NPTEL, Virtual lab etc. 3. Enhance Research and consultancy activities. 4. Increase number of quality publications 5. Enrich the students with Value Added Programme (VAP). 6. Motivate the faculty member to write a proposal for fetching research grants. 7. Reformation in "Alumni cell", to increase the active participation of alumni. 8. Increase grants form funding agencies like AICTE/DST/CSIR/UGC etc. 9. Introduction of more Innovative Teaching Methodologies. 10. Encouragement to interdisciplinary undergraduate level projects. 11. Incorporate Project Based Learning (PBL). 12. Motivate students to participate in Sports activities.

ATTESTED


Dr. M. S. GAIKWAD
PRINCIPAL

Sinhgad Institute of Technology, Lonavala