



Sinhgad Institutes

**SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD INSTITUTE OF TECHNOLOGY**

(Affiliated to SPPU Pune and Approved by, AICTE, New Delhi.)
Gat No. 309/310 , Kusgaon (Bk), off Mumbai –Pune, Expressway.
Lonavala, Pune, 410401, Website : sit.sinhgad.edu

SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA

ANNUAL REPORT:2018-2019

ATTESTED

**Dr. M. S. GAIKWAD
PRINCIPAL**

Sinhgad Institute of Technology, Lonavala



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Vision, Mission and Objectives of the Institute

Vision:

उत्तमपुरुषान् उत्तमाभियंतृन् निर्मातु कटिबद्धाः वयम्

“We are committed to produce not only good engineers but good human beings, also.”

Mission:

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbuing a unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity & technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

QUALITY POLICY

Our Quality Policy is aimed at achieving the excellence in technical education, by acquiring autonomous status to the institutes with recognition at national and international level. For this, we are committed to:

- Provide excellent infrastructure facilities.
- Employ highly qualified and experienced faculty.
- Encourage the faculty for improvement in qualifications.
- Promote the institute - industry interaction.
- Create environment for research and getting industry-sponsored projects for students.

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OBJECTIVES:

- All round development of students relevant to the needs of industry and making them competent to face the challenges of globalization.
- Empowerment of faculty and staff through continuing education.
- Develop strong Industry-Institute Interaction to offer expertise for projects, training, testing and consultancy.
- Overall development of students through Student Training Programmes (STPs) and value addition programmes (VAPs).
- Establish center of excellence (COE) in engineering research.
- To start doctoral program in engineering.
- Serve as engineering knowledge center for society in general.

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College Details							
1.	Name Of the Department/College/Institute	:	Sinhgad Technical Education Society Sinhgad Institute of Technology Addr: Survey No 309/310 Kusgaon Bk Lonavala Ta: Mawal Dist: Pune	2.	Address Of the Department/College/Institute	:	Survey No 309/310 Kusgaon Bk Lonavala Ta: Mawal Dist: Pune Pincode: 410401
3.	Name Of the Head/Principal/Director	:	GAIKWAD MANIK SAKHARAM	4.	Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address	:	Tele.- 02114-673356 Email- principal_sit@sinhgad.edu URL- sit.sinhgad.edu
5.	Reference Books/Monographs Published by Teacher (2018-2019) :						
Sr. No.	Name of the Teacher(s)/Author	Title of the Reference Books/Monographs	Name and Place of Publisher(s)	Date of Publication	Isbn/Issn No.		
1	NA	NA	NA	NA	NA		
6.	No.of Conference, Symposia, Seminars,Workshops etc. Organized (2018-2019)						
Sr. No.	No. of State Level		No. of National Level		No. of International Level		
1	16		1		1		
7.	Research Publications in National and International Journals/Edited Books/Proceedings (2018-2019)						
Sr. No.	Name of the Teacher's/Author	Title of the Paper	Name of the Journal/Proceeding/Edited Book	Volume & Pages	Year of Publication	ISBN/ISSN No.	
1	Mantri Dnyaneshwar Shriranglal	Random Mobility and Heterogeneity-Aware Hybrid Synchronization for Wireless Sensor Network	Wireless Personal Communications	89 & 18	2018	1572-834X / 0929-6212	
2	Duche Dipashree Navanath	"Information Security Through QR Authenticationin	IJIRCCCE	6 & 5	2018	- / 2320-9798	
3	Yerate Dhanaraj Anil	A Technique for Secure Sharing of Personal Health Records in the Cloud	Journal of Emerging Technologies and Innovative Research	6 & 5	2019	2349-5162 / 2349-5162	
4	Shende Dipali Kedar	IoT Based Geographic Multicast Routing Protocol with DPA through WSN with ISSN: .	International Journal of Creative Research Thoughts (IJCRT)	6 & 230	2018	2320-2882 / 2320-2882	

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5	Lokhande Prasad Eknath	Chemically deposited ultrathin a-Ni(OH) ₂ nanosheet using surfactant on Ni foam for high performance supercapacitor application	Materials Science for Energy Technologies	1 & 166	2018	2589-2991 / 2589-2991
6	Lokhande Prasad Eknath	Nanoflower-like Ni(OH) ₂ synthesis with chemical bath deposition method for high performance electrochemical applications	Materials Letters	218 & 3	2018	0167-577X / 0167-577X
7	Lokhande Prasad Eknath	Conventional chemical precipitation route to anchoring Ni(OH) ₂ for improving flame retardancy of PVA 2018	Materials Today Proceeding	5 & 16352	2018	2214-7853 / 2214-7853
8	Lokhande Prasad Eknath	Surfactant assisted cabbage rose-like CuO deposition on Cu foam by for supercapacitor applications	Inorganic and Nano-Metal Chemistry	48 & 434	2019	2470-1556 / 2470-1564
9	Lokhande Prasad Eknath	Nanostructured Ni(OH) ₂ /rGO composite chemically deposited on Ni foam for high performance of supercapacitor applications	Materials Science for Energy Technologies	2 & 52	2018	2589-2991 / 2589-2991
10	Ware Swapnali Balasaheb	Survey Paper for Intelligent Traffic Control System for Ambulance	International Journal of Trend in Research and Development	6 & 2	2019	no / 2394-9333
11	Ugare Vivek Malgonda	Experimental Investigation of Eucalyptus Biodiesel and Its Blends on Performance of I.C. Engine	IJSART	4 & 6	2018	- / 2395-1052
12	Waykar Sanjay Bajaba	Intent Aware Optimization for Content-Based Lecture Video Retrieval Using Grey Wolf Optimizer	journal of engg. research	24 & 12	2019	2307-1877 / 2307-1885
13	Parvat Thaksen Jagannath	Novel Genetic Algorithm for Association Rule Mining with Multi-object Extraction for Bakery Database	I-SMAC	5	2018	ATTESTED I-SMAC.2018.8653715 / Dr. M. S. GAIKWAD PRINCIPAL

14	Parvat Thaksen Jagannath	Analysis & Prediction of Electric Supply on Home Usage	IEEE	5	2018	10.1109/GCWCN / 2018.8668651
15	Ahire Pallavi Pankaj	Perceive Core Logical Blocks of a C Program Automatically for Source Code TraPerceive Core Logical Blocks of a C Program Automatically for Source Code Transformationsnsformations	Intelligent System Design and Applications	15	2018	978-3-030-16657-1_36 / https://doi.org/10.1007/978-3-030-16657-1_36
16	Shende Dipali Kedar	Multicast Routing for Internet of Things: A Literature Review and Challenges	International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2018)	600	2018	2347-8616 / 2347-8616

8. Research Projects/Schemes Undertaken by Teachers (2018-2019)

Sr. No.	Name of the Investigator(s)	Faculty	Title of the Research Project/Scheme	Name of the Funding Agency	Duration of the Project/Scheme	Amount Sanctioned (Rs.)	Major/Minor
1	Pallavi Ahire	Engineering	Obscuring The Outsourcing of Code Analysis in Clou	SPPU	12/07/2019-12/07/2021	200000	Major
2	Prasad Eknath Lokhande	Engineering	Synthesis and charactrization of Ni (OH) ₂ /rGO base	ASPIRE	10/07/2019-09/07/2021	300000	Minor

9. Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2018-2019)

Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	114	0	3


10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2018-2019)

Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise
1	NA	NA	NA	NA

11. Grants Sanction for Funding Agency (2018-2019)

Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other
1	0	0	0	2	0

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12. Faculty Wise Enrollment Of Students (2018-2019)													
Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	4	1	0	0	0	0	0	0	1	0	0	6
		24	2	0	0	0	0	1	2	10	2	1	42
	MALE	7	1	0	0	0	0	0	0	1	0	0	9
		110	14	2	4	0	5	6	5	37	2	1	186
TOTAL		145	18	2	4	0	5	7	7	49	4	2	243

13. Statistical Information about Teacher for Academic Year (2018-2019)							
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	OBC	11	3	14	4	2	6
2	OPEN	20	12	32	18	4	22
3	SBC	0	0	0	1	0	1
4	SC	3	5	8	7	2	9
5	ST	0	0	0	1	0	1
	Total	34	20	54	31	8	39

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