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SINHGAD TECHNICAL EDUCATION SOCIETY'S

# SINHGAD INSTITUTE OF TECHNOLOGY

(Affiliated to Savitribai Phule Pune University & Approved by AICTE)

**Sinhgad Institutes**

Gat No. 309/310, Kusgaon (BK.), Off Mumbai - Pune Express way, Lonavala, Dist Pune - 410 401.

**PROF. M. N. NAVALE**  
M E (Elect.) MIE, MBA  
**Founder President**

**DR. (MRS.) SUNANDA M. NAVALE**  
B A, MPM, Ph D  
**Founder Secretary**

**DR. M. S. GAIKWAD**  
M E, Ph D (Electronics Engg.)  
**Principal**

SIT/2019-20/70

Date:30/07/2019

To,  
The Deputy Registrar,  
Planning & Development,  
Savitribai Phule Pune University,  
Ganesh Khind, Pune.

Ref: Your letter no SPPU/P&D/372, Dated 01/07/2019.

Subject: Hard copy of the **annual report for AY 2018-19.**

Dear Sir,

With above cited reference, we have submitted the annual report for the academic year 2018-19 (for the period of 1<sup>st</sup> July 2018 to 30<sup>th</sup> June 2019) online. Please find attached the hard copy of the same as per the guidelines.

Thanking you,

Yours Faithfully,

**PRINCIPAL**

**SINHGAD INSTITUTE OF TECHNOLOGY**  
Kusgaon (BK.), Lonavala-410 401.



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**Savitribai Phule Pune University**  
**Annual Report Information 2018-2019**  
**Planning and Development**



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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- www.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	5	2	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 Authentication in	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) <sub>2</sub> 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) <sub>2</sub> 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) <sub>2</sub> 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) <sub>2</sub> /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	I-SMAC.2018.8653715 /



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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 Transformations	Intelligent System Design and Applications	15	2018	978-3-030-16657-1_36 / <a href="https://doi.org/10.1007/978-3-030-16657-1_36">https://doi.org/10.1007/978-3-030-16657-1_36</a>
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 characterization of Ni (OH) <sub>2</sub> /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	2	3	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
<b>TOTAL</b>		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
	<b>Total</b>	34	20	54	31	8	39

Date :

Place :



Signature  
HOD/Principal/Director

**PRINCIPAL**  
**SINGHAD INSTITUTE OF TECHNOLOGY**  
**Kusgaon (Bk.), Lonavala-410 401.**