



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/2018-19/56

Date:30/07/2018

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

Ref: Your letter no SPPU/P&D/748, Dated 03/07/2018.

Subject: Hard copy of the annual report for AY 2017-18.

Dear Sir,

With above cited reference, we have submitted the annual report for the academic year 2017-18 (for the period of 1st July 2017 to 30th June 2018) online. Please find attached the hard copy of the same as per the guidelines.

Thanking you,

Yours Faithfully,

(Dr. M. S. Gaikwad)
PRINCIPAL

SINHGAD INSTITUTE OF TECHNOLOGY
Kusgaon (BK.), Lonavala-410401.



RB Navale
31/07/2018



o/c



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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: PunePincode: 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 (2017-2018) :							
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	Mantri Dnyaneshwar Shiranglal	Microcontrollers	Technical	2017	978-93-332-1575-6 /		
2	Mantri Dnyaneshwar shiranglal	Microcontroller-Decode	Technical	2017	978-93-332-1708-8 /		
3	Babar Sachin Dilip	Software Engineering & Project Management	Tech-Max	2017	978-93-5224-578-9 /		
4	R. Shenbagalakshmi Rengamani	Discrete Controlled Pulse width Modulated Interleaved Boost converter using Bilinear Transformation	Atlantis Press	2017	-- / 2352-5401		
6. No. of Conference, Symposia, Seminars, Workshops etc. Organized (2017-2018)							
Sr. No.	No. of State Level	No. of National Level	No. of International Level				
1	2	1	0				
7. Research Publications in National and International Journals/Edited Books/Proceedings (2017-2018)							
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	Kulkarni Ninad Kamalakar	A REVIEW OF PIPE INSPECTING ROBOT AND ITS APPLICATIONS	International Journal of Recent Innovation in Engineering and Research	02 & 5	2017	Maharashtra / 2456 - 2084	





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2	Salotagi Mahesh Mahadev	Lumped Heat Capacity System Design for Revampment in Tube Furnace for Continuous-Inline Wire Annealing	International Journal of Scientific Research in Knowledge	5 & 7	2017	NA / 2322-4541
3	Salotagi Mahesh Mahadev	Technological Developments in Annealing Furnaces for Performance Improvement	IJARIE	3 & 12	2017	9 772395439864 / 2395-4396
4	Shitole Neelima Bhusaheb	Execution of FPGA For Home Robotization Utilizing VHDL	IJSR	6 & 1988	2017	2319-7064 / 2319-7064
5	Bhad Sharad Arun	ENHANCEMENT OF ENERGY EFFICIENT ROUTING PROTOCOL BY MINIMIZING ENERGY CONSUMPTION IN WIRELESS SENSOR NETWORKS.	International Journal of Advanced Research (IJAR)	5 & 4	2017	2320-5407 / 2320-5407
6	Mantri Dnyaneshwar Shiriranglal	Random Mobility and Heterogeneity-Aware Hybrid Synchronization for Wireless Sensor Network	Wireless Personal Communications	89 & 18	2018	1572-834X / 0929-6212
7	Duche Dipashree Navanath	Study of Environmental Parameters by Implementing an IOT node using ARM cortex m3	IJRT	5 & 5	2017	- / 2320-2882
8	Duche Dipashree Navanath	"Information Security Through QR Authentication	IJRCE	6 & 5	2018	- / 2320-9798
9	Gaikwad Rajendra Dattatraya	IDENTIFICATION OF FAULTS IN SELF-ALIGNED DOUBLE ROW BALL BEARING	International Journal of Scientific & Engineering Research(IJSER)	8 & 6	2017	- / 2229-5518
10	Dike Prashant Rajaram	ENERGY EFFICIENT WIRELESS SENSOR NETWORK MULTIRATE SIGNAL PROCESSING FOR CHANNEL CAPACITY AND DELAY IMPROVEMENT	INTERNATIONAL JOURNAL OF CURRENT ENGINEERING AND SCIENTIFIC RESEARCH (IJCESR)	4 & 40	2017	ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, / ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697,





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11	Gharde Pankaj Ramkrushna	Review on Advance Augmentation and Future Opportunity of Magnetic Refrigeration Systems	IJSER	8 & 36	2017	5518 / 2229
12	Gharde Pankaj Ramkrushna	Fabrication and Experimental Performance Investigation of Economical Multi-objective Agriculture Equipment	IJSER	8 & 266	2017	5518 / 2229
13	Shinde Shilpa Vikas	Development of Electronic tattoo for pulse rate monitoring: Materials perspective, International Conference on Inventive Research in Material Science and Technology	AIP Conference Proceeding	1966 & 7	2018	978-0-7354-1671-0 / -
14	Gholap Sharad Balasaheb	Simulink Based Spectrum Sensing in Cognitive Radio Using Cyclostationary Detection	Asian Journal of Convergence in Technology	III & 6	2017	-- / 2350-1146
15	Shende Dipali Kedar	Implementation of Wireless Sensor Network With the use of MQTT Protocol for Smart Gas Metering	IJECS CDAC Mumbai	6 & 130	2017	23220 / 2320
16	Shende Dipali Kedar	Study of Environmental parameters BY implementing an IOT node using ARM CORTEX M3	IJCRT	5 & 5	2017	2320-2882 / 2320-2882
17	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
18	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
19	Ugare Vivek Malgonda	Verification of Multi Evaporator VCR System with Micro channel Condenser	International Journal of Scientific & Engineering Research,	Volume 8 & 5	2017	- / ISSN 2229-5518



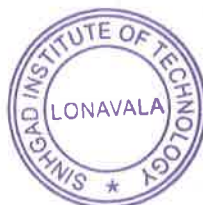


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20	Ugare Vivek Malgonda	Performance Analysis of Vapour Compression Refrigeration System with Spiral Micro-tube Condenser	International Journal of Scientific & Engineering Research,	Volume 8 & 5	2017	- / ISSN 2229-5518
21	Waykar Sanjay Bajaba	servey on an effective database tampering system with veriable computation and incremental updates	IRJET	4 & 4	2017	2395-0072 / 2395-0056
22	Bhardwaj Sanika Sagar	Traffic Signal Management using Barrier	International Engineering Research Journal (IERJ)	6 & 5	2017	2395-1621 / 2395-1621
23	Bhardwaj Sanika Sagar	Smart Solar Grass cutter with Lawn Coverage	Imperial Journal of Interdisciplinary research	3 & 3	2017	2454-1362 / 2454-1362
24	Bhardwaj Sanika Sagar	Hybrid Solar System for real Time Power Management	International Journal of Engineering Science Invention Research & Development (IJESIRD)	3 & 5	2017	2349-6185 / 2349-6185
25	Baste Vaishali Sandeep	STUDY OF ENVIRONMENTAL PARAMETERS BY IMPLEMENTING AN IOT NODE USING ARM CORTEX M3	IJCRT	5 & 5	2017	- / 2320-2882
26	Patil Deepak Balaso	Reconfigurable Architecture of Adaptive Median Filter	ICICT2017	5	2017	978-1-5090-1285 /
27	Shitole Neelima Bhausaheb	A study of cancer diagnosis using image processing and machine learning.	A study of cancer diagnosis using image processing and machine learning.	3	2017	na /
28	Lakal Narendra Vyankatrao	Identification of Dimensions of Engineering Education Service Quality from Student Perspective	2017 Annual Meeting of the Decision Sciences Institute Proceedings	10	2017	978-0-578-17748-9 / 2471-884x
29	Dike Prashant Rajaram	ENERGY EFFICIENT MULTIRATE SIGNAL PROCESSING FOR WSN FOR CHANNEL CAPACITY AND DELAY IMPROVEMENT	IEEE book of abstract international conference on ICICT 2016	170	2017	978-1-5090-1283-1 5 PP [170-171], /





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30	Shinde Suhas Deelip	Simultaneous Power Management using multiport DC-DC converter	Proceedings of the 2nd International Conference on Inventive Computation Technologies (ICICT 2017)	5	2017	978-1-5090-6697-1 /
31	Mhetre Santosh Laxman	Simultaneous Power Management using Multiport Dc-Dc Converter	Proceedings of the 2nd International Conference on Inventive Computation Technologies (ICICT 2017)	5	2017	ISBN:978-1-5090-6697-1 /
32	Shinde Shilpa Vikas	Wireless heart rate sensor design to conform IEEE 802.15.6: Results and challenges	International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2018)	4	2018	- / ISSN-2348-117X
33	Shinde Shilpa Vikas	Wireless heart rate sensor design to conform IEEE 802.15.6: Results and challenges	International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2018)	4	2018	- / ISSN-2348-117X
34	Latane Pravin Chandrakant	Implementation of Low Power Nine axis sensor for AHRS using Direction Cosine Matrix Algorithm	International Conference on Digital Signal and Image Processing	5	2017	- / -
35	Gholap Sharad Balasaheb	Cognitive Radio Test Bed for Spectrum Sensing Application in Wireless Communication Using Simulink	National Conference on Electronics, Communication, and Computing (NCECC-2017)	7	2017	-- / --
36	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
37	Shende Dipali Kedar	Implementation of MQTT Protocol for smart gas Metering Using Semantic Data Extraction with IOT	World Research Forum for Engineers & Researchers -International conference ICEEE	5	2017	2370 / 2340
38	Baste Vaishali Sandeep	Efficient Utilization of Channel Coding for Wireless Communication	IJECS	5	2017	- / 2348





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8. Research Projects/Schemes Undertaken by Teachers (2017-2018)							
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	AGANIVESH PURUSHOTTAM OGALE	Engineering	Design and fabrication of solar based green evapor	ISHRAE	10/08/2015-20/04/2016	36000	Minor
9. Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2017-2018)							
Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level				
1	16	5	3				
10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2017-2018)							
Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise			
1	NA	NA	NA	NA			
11. Grants Sanction for Funding Agency (2017-2018)							
Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other		
1	0	0	0	4	0		





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12. Faculty Wise Enrollment Of Students (2017-2018)													
Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC : SBC	Physically Challenged	Total	
Engineering	FEMALE	63	18	0	0	0	2	1	4	26	2	0	116
	MALE	283	65	5	6	0	11	23	22	138	12	0	565
	TOTAL	346	83	5	6	0	13	24	26	164	14	0	681

13. Statistical Information about Teacher for Academic Year (2017-2018)							
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(B)	1	0	1	1	0	1
2	NT(C)	0	0	0	1	0	1
3	OBC	12	3	15	5	3	8
4	OPEN	24	14	38	19	4	23
5	SBC	0	0	0	1	0	1
6	SC	4	6	10	7	2	9
Date :	ST	0	0	0	1	0	1
Place :	Total	41	23	64	35	9	44

Signature
HOD/Principal/Director



PRINCIPAL
SINHGAD INSTITUTE OF TECHNOLOGY
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Lonavala, Dist. Pune - 410 401.