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	: Sachin Dilip Babar	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 (2023-2024) :

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 Shriranglal	Review of Anti-Counterfeit Solutions in Blockchain	Bentham Science Publishers pvt ltd	2023	978-981-5050-60-5 / 0

6. No.of Conference, Symposia, Seminars,Workshops etc. Organized (2023-2024)

Sr. No.	No. of State Level	No. of National Level	No. of International Level
1	7	5	0

7. Research Publications in National and International Journals/Edited Books/Proceedings (2023-2024)

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	Dynamic Traffic Signaling System	International Journal of Computer Engineering and Applications	17 & 5	2023	0 / 2321-3469
2	Datey Sachin Devidas	Energy Efficient Cooler	International Journal of Advanced Research in Science, Communication and Technology	3 & 5	2023	2581-9429 / 2581-9429
3	Datey Sachin Devidas	Adaptive Teaching Learning Based OptimizationAlgorithm for Solving Unit Commitment Problem with Wind Farm	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	12 & 7	2024	2147-6799 / 2147-6799
4	Kulkarni Anuradha Prasad	Automatized Medical Chatbot	Goya Journal	16 & 7	2023	0 / 0017 - 2715
5	Kulkarni Anuradha Prasad	Automatic Level Depression Detection	International Journal of Advanced Research in Science, Communication &Technology (IJARSCT)	2 & 6	2023	0 / 2581-9429

6	Kulkarni Anuradha Prasad	Automatic Level Depression Detection	Goya Journal	16 & 6	2023	0 / 0017 - 2715
7	Babar Sachin Dilip	Word sense disambiguation: Mathematical modelling of adaptive word embedding technique for word vector	Journal of Interdisciplinary Mathematics	26 & 7	2023	0972-0502 / 2169-012X
8	Chaudhari Manohar Santosh	Image and text encrypted data with authorised duplication in Cloud	IJIRT	10 & 4	2024	2349-6002 / 2349-6002
9	Chaudhari Manohar Santosh	Fireshield: Fire detection method based on CNN and YOLOv3	IJRAR	11 & 4	2024	2349-5138 / 2349-5138
10	Tonde Vandana Prakash	"Emotion Based Music Player"	GOYA Journal	16 & 7	2023	0017-2715 / 0017-2715
11	Tonde Vandana Prakash	"HOP IN"	GOYA Journal	16 & 5	2023	0017-2715 / 0017-2715
12	Wagh Snehal Sitaram	HUMAN ACTIVITY IDENTIFICATION	IJARISCT	3 & 3	2023	NA / 2581-9429
13	Wagh Snehal Sitaram	video steganography	IRJETS	06 & 4	2024	NA / 2582-5208
14	Wagh Snehal Sitaram	FACE LIVENESS DETECTION FOR ANTI-SPOOFING USING DEEP NEURAL NETWORKS	IJIRCCE	11 & 6	2023	NA / 2320-9801
15	Wagh Snehal Sitaram	SURYA NAMASKAR POSE RECOGNITION AND CORRECTION FOR SMART HEALTHCARE	IJRPR	10 & 6	2024	NA / 2395-4396
16	Mule Vaibhav Prakash	Fault Detection in Three Phase Transmission Line with Location	IJARSCT	3 & 6	2023	0 / 2581-9429
17	Mule Vaibhav Prakash	Energy Management and Audit by Replacing Energy Efficient Equipment	GOYA Journal	16 & 11	2023	0 / 0017-2715
18	Dhakate Pankaj Ashokrao	Food west Management System	Goya Journal	Volume 16 & 5	2023	0017-2715 / ISSN No 0017-2715
19	Dhakate Pankaj Ashokrao	Detecting Fishing websites using Machine Learning.	Goya Journal	Volume 16 & 5	2023	0017-2715 / ISSN No 0017-2715

20	Asane Satish Subash	Driver Attention Assist System	International Journal of All Research Education & Scientific Methods	11 & 8	2023	7647 / 2455-6211
21	Asane Satish Subash	Survey Paper On Agro Consultant for farmers Using Machine Learning	Journal of Emerging Technologies and Innovative Research (JETIR)	10 & 8	2023	ISSN-2349-5162 / ISSN-2349-5162
22	Asane Satish Subash	Agro Consultant for farmer using Machine Learning	Journal of Emerging Technologies and Innovative Research (JETIR)	10 & 4	2023	2349-5162 / 2349-5162
23	Mulani Karim Shahajhan	Aspects of Network Security Based on Graph Theory	international journal for novel research and development	8 & 9	2023	2456-4184 / 2456-4184
24	Mulani Karim Shahajhan	CHROME EXTENSION FOR DETECTION AND PREVENTION OF PHISHING WEBSITES AND RELATED ATTACKS BY USING MACHINE LEARNING	International Journal of Creative Research Thoughts (IJCRT)	11 & 8	2023	2320-2882 / 2320-2882
25	Mulani Karim Shahajhan	Alzheimer's Disease and Lung Cancer Detection using Deep learning	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	3 & 5	2023	2581-9429 / 2581-9429
26	Mulani Karim Shahajhan	Data Re-Encryption Approach to Secure Data Sharing using Blockchain	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	3 & 5	2023	2581-9429 / 2581-9429
27	Chawhan Priyanka Buddhaprakash	Post-combustion CO2 Capture by Using Chemical Absorption Process: Brief Review	STM Journal	14 & 13	2023	- / ISSN: 2229-6999 (Online)
28	Chawhan Priyanka Buddhaprakash	Sustainable Solutions: A Comprehensive Study of Solid Waste Management Practices	International Journal Of Creative Research Thoughts	12 & 10	2024	- / 2320-2882
29	Bhosale Manoj Krishna	Survey of Innovative Techniques for Speed Measurement of Vehicles	Journal of Instrumentation and Innovation sciences	8 & 5	2023	NA / 2456-9860
30	Latane Pravin Chandrakant	"A Compact Design of MIMO Antenna Array for 2 GHz Wireless Applications"	SGVU Journal of Engineering & Technology	Volume 8 & 4	2023	ISSN: 2395-0196 / ISSN: 2395-0196
31	Latane Pravin Chandrakant	"4-port MIMO antenna Simulation and Analysis for 5G Portable Applications"	SGVU Journal of Engineering & Technology	Volume 9 & 5	2023	ISSN: 2395-0196 / ISSN: 2395-0196

No	Author	Title	Journal	Volume	Year	ISSN
32	Latane Pravin Chandrakant	"Synopser: Data Summarization Web Application"	IJARSCT	Volume 2 & 4	2023	ISSN No: 2581-9429 / ISSN No: 2581-9429
33	Latane Pravin Chandrakant	"E - Voting Using Blockchain"	IJARSCT	Volume 2 & 4	2023	ISSN No: 2581-9429 / ISSN No: 2581-9429
34	Latane Pravin Chandrakant	"Performance Analysis of 4 Port MIMO Antenna Array for 5G Application"	NeuroQuantology	Volume 20 & 9	2023	ISSN: 1303-5150 / ISSN: 1303-5150
35	Raut Mayur Sahebrao	Object Detecting and Recognizing Robo Using Rasberry Pi and Machine Learning	IJARSCT	3 & 7	2023	2581-9429 / 2581-9429
36	Kadam Amol Achyutrao	A Machnine Learning Approch for Opinion Mining online Customer Reviews	IJARSCT	3 & 5	2023	2581-9429 / 2581-9429
37	Kadam Amol Achyutrao	Driver Drowsiness Monitoring using Convolutional Neural Network	IJARSCT	3 & 5	2023	2581-9429 / 2581-9429
38	Surana Amruta Vijay	Fruit Disease Detection and Classification using Machine Learning and Deep Learning Techniques	International Journal of Intelligent Systems and Applications in Engineering …	12 & 4	2024	2147-6799 / 2147-6799
39	Surana Amruta Vijay	Application of Artificial Intelligence and Machine Learning in Manufacturing Industry: A Bibliometric Study	International Journal of Intelligent Systems and Applications in Engineering	12 & 6	2024	2147-6799 / 2147-6799
40	Chavan Vikram Madhukar	Online Voting System using Face Recognition and OTP	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	3 & 3	2023	ISSN (Online) 2581-9429 / ISSN (Online) 2581-9429
41	VIKRAM MADHUKAR	Leveraging Geofencing Technology for Targeted Marketing Campaigns	International Journal of Research and Analytical Reviews (IJRAR)	11 & 9	2024	- / ISSN 2348-1269
42	Chavan Vikram Madhukar	Clinical Support System for Predicting Heart Diseases using Machine Learning Techniques	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	3 & 3	2023	ISSN (Online) 2581-9429 / ISSN (Online) 2581-9429
43	Chavan Vikram Madhukar	Enhancing Autism Care With Real-Time Data Monitoring	International Journal of Research and Analytical Reviews (IJRAR)	11 & 8	2024	- / E-ISSN 2348-1269, P-ISSN 2349-5138

44	Chavan Vikram Madhukar	InvestAI: Connecting With Future Gains	International Journal of Research and Analytical Reviews (IJRAR)	11 & 4	2024	E-ISSN 2348-1269,P-ISSN 2349-5138 / E-ISSN 2348-1269,P-ISSN 2349-5138
45	Kalage Amol Appaso	Application of optimization algorithms in the development of a real-time coordination system for overcurrent relays	The Scientific Temper	14 & 5	2023	2231-6396 / 0976-8653
46	Kalage Amol Appaso	Certain Analytical Aspects of Power Systems in the Presence of Facts Controllers - SVC and TCSC	International Journal of Engineering Trends and Technology	71 & 6	2023	2231–5381 / 2231–5381
47	Kalage Amol Appaso	A Survey on the Development of Real-Time Overcurrent Relay Coordination Using an Optimization Algorithm	International Journal of Intelligent Systems and Applications in Engineering	11 & 11	2023	2147-6799 / 2147-6799
48	Kalage Amol Appaso	Implementation of Optimization Algorithms for the Creation of a Real Time Coordination System for Overcurrent Relays	International Journal of Intelligent Systems and Applications in Engineering	12 & 8	2023	2147-6799 / 2147-6799
49	Datkhile Sagar Namdev	On load tap changer using Arduino R3 controller	sirjana journal	54 & 6	2024	NA / 2455-1058
50	Datkhile Sagar Namdev	Energy Scenario in India Up to 2020	GRADIVA REVIEW - JOURNAL	9 & 7	2023	0 / 0363-8057
51	Tamhane Arjun Vitthalrao	EV Battery monitoring system with charger , monitoring with fire protection.	SIRJANA JOURNAL	54 & 50	2024	nil / 123
52	More Shital Kiran	Commercial Automation Using RTOS-Based Architecture	IC-Convx 2k24-ETC	39	2024	e-ISSN:2584-2943 / e-ISSN:2584-2943
53	Babar Sachin Dilip	An Adaptive Algorithm for Polysemous Words in Natural Language Processing	Proceedings of Third International Conference on Advances in Computer Engineering and Communication Systems, Lecture Notes in Networks and Systems	10	2023	https://doi.org/10.1007/978-981-19-9228-5_15 / https://doi.org/10.1007/978-981-19-9228-5_15
54	Babar Sachin Dilip	Word Sense Disambiguation: Adaptive Word Embedding with Adaptive-Lexical Resource	Proceedings of International Conference on Data Analytics and Insights	9	2023	https://doi.org/10.1007/978-981-99-3878-0_36 / https://doi.org/10.1007/978-981-99-3878-0_36
55	Dike Prashant Rajaram	Arduino Augmented Reality Headset	TKD 23	5	2023	IEEE TKD-23/ISBN No.978-81-992245-5-0 / NA

| 56 | Dhakate Pankaj Ashokrao | Heart Diseases prediction using Machine Learning Algorithm | AIMTRTEF -23 International Conference on Recent Trends in Science, Technology, Engineering & Mathematics. | 8 | 2023 | AIMTMREF - 2023-135/05 / AIMTMREF - 2023-135/05 |
| 57 | Bhosale Manoj Krishna | Smart Video Number Plate Character Recognition using Hybrid Optimization-based YoloV3 | Interactive Systems & Information Society Technologies (InterSys2023) held within IMS-2023 | 10 | 2023 | NA / |

8. Research Projects/Schemes Undertaken by Teachers (2023-2024)

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
NA	NA	NA	NA	NA	NA	NA	NA

9. Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2023-2024)

Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	1	13	0

10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2023-2024)

Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise
1	9	0	0	0

11. Grants Sanction for Funding Agency (2023-2024)

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

12. Faculty Wise Enrollment Of Students (2023-2024)

Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	58	11	1	3	0	3	5	4	32	2	0	119
	MALE	131	22	5	9	0	6	10	11	111	3	0	308
	TOTAL	189	33	6	12	0	9	15	15	143	5	0	427

13. Statistical Information about Teacher for Academic Year (2023-2024)

Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	OBC	7	2	9	4	2	6
2	OPEN	7	5	12	11	2	13
3	SBC	0	0	0	2	0	2
4	SC	0	0	0	5	1	6
	Total	14	7	21	22	5	27

14) Environment Conservation :

Tree Plantation Drive :

Number of Programmes Arranged	Number of Trees Planted	Total Number of Participants
1	62	56

River Conservation :

Number of Programmes Arranged	Total Number of Participants
1	62

Soil Conservation :

Number of Programmes Arranged	Total Number of Participants

| 2 | 108 |

Water Conservation :

Number of Programmes Arranged	Total Number of Participants
1	36

15) Sports Competition :

Type	Total Number of Programs Arranged	Total Numbers of participants In each program	Total Number of Award Won
CollegeLevel	3	893	2

16) New Voter Registration Campaign :

Total Number of Programs Arranged	Total Number of Participants
3	352

17) Cultural Activities :

Oratorical Competition :

Number of Programmes Arranged	Total Number of Participants
1	70

Debate Competition :

Number of Programmes Arranged	Total Number of Participants
0	0

Dance Competition :

Number of Programmes Arranged	Total Number of Participants
3	30

Essay Writing Competition :

Number of Programmes Arranged	Total Number of Participants
1	22

18) Blood Donation Campaign :

Total Number of Campaigns Arranged	Total Number of Participants	Total Units of Blood Collected
1	115	115

19) Cleanliness Campaign :

Total Number of Campaigns Arranged	Total Number of Participants
2	130

20) Women Empowerment :

Total Number of Programs Arranged	Total Number of Participants
3	154

University Level :

Total Number of Seminars Arranged	Total Number of Participants
1	58

21) Seminar :

State Level :

Total Number of Seminars Arranged	Total Number of Participants
0	0

International Level :

Total Number of Seminars Arranged	Total Number of Participants
0	0

22) Placement Activity :

Total Number of Placement Drives Arranged	Total Number of Participants	Total Number of Placements done
148	397	97

23) Student Exchange and Faculty Exchange Program :

Total Number of Student Exchange Programs Arranged	Total Number of Students went under Student Exchange Program
2	2

Total Number of Faculty Exchange Programs Arranged	Total Number of Students went under Teachers Exchange Program
0	2

24) Constitution Week Campaign :

Total Number of Programs Arranged	Total Number of Participants
1	110

25) Conduction of value Enhacement Courses :

Total Number of Programs Arranged	Total Number of Participants
2	55

26) Memorendum of Understanding :

National :

Number of MoUs
8

International :

Number of MoUs
0

27) Mental health Awareness Campaign :

Total Number of Programs Arranged	Total Number of Participants
1	162

28) Research Paper Patent :

Total Number of Research Paper Published in peer reviewed Journals	Total Number of Research Paper Published in UGC CARE listed Journals	Total Number of Patent Registered
5	20	2
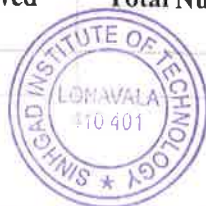
Date :

Place :

Signature

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HOD/Principal/Director
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Kusgaon(Bk.), Lonavala - 410401.