



# Savitribai Phule Pune University

## Annual Report Information 2021-2022

### Planning and Development



AR2205452

#### College Details

1.	Name Of the Department/College/Institute	:	Sandip Foundation Sandip Institute of Technology and Research Center Addr: Trimbyak Road Mahiravani Ta: Nashik Dist: Nashik	2.	Address Of the Department/College/Institute	:	Trimbyak Road Mahiravani Ta: Nashik Dist: Nashik Pincode: 422213
3.	Name Of the Head/Principal/Director	:	Sanjay Trymbak Gandhe	4.	Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address	:	Tele.- 02594-222551 Email- principal@sitrc.org URL- www.sandipfoundation.org

#### 5. Reference Books/Monographs Published by Teacher (2021-2022) :

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	Nayak Jyotiprakash Giridharilal	Professional Practices	Nirali Publication	2021	N2276 /
2	Vaidya Omkar Suresh	Spectrum Sensing over Fading Channels in Cognitive Radio Network: An Analysis of Energy Detection Spectrum Sensing	LAP Lambert Academic Publishing	2021	978-620-3-40949-9 / 978-620-3-40949-9
3	Ghonge Mangesh Manikrao	Multidisciplinary Approach to Modern Digital Steganography	IGI Global	2021	9781799871606 / 0
4	Ghonge Mangesh Manikrao	Future Trends in 5G and 6G Challenges, Architecture, and Applications	CRC Press, Taylor & Francis	2021	9781003175155 / 0
5	Ghonge Mangesh Manikrao	Leveraging AI Technologies for Preventing and Detecting Sudden Cardiac Arrest and Death	IGI Global	2022	9781799884439 /
6	Ghonge Mangesh Manikrao, Pramanik Sabyasachi, Potgantwar Amol	Software Define Networking for Ad Hoc Networks	Springer	2022	978-3-030-91148-5 /
7	Ghonge Mangesh Manikrao	Blockchain Technologies and Applications for Digital Governance	IGI Global	2021	9781799884934 /
8	Ghonge Mangesh Manikrao	Utilizing Blockchain Technologies in Manufacturing and Logistics Management	IGI Global	2021	9781799886976. /
9	Potgantwar Amol Dnyaneshwar	Database Management System with NoSQL	LAP Lambert Academic Publishing	2022	10 6139959047 / 0
10	Potgantwar Amol Dnyaneshwar	Online Face Recognition Using Partitioned Iterated Function System "Biometrics / Book 5"	InTech Publication	2022	978-953-307-542-6 / 0



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11	Potgantwar Amol Dnyaneshwar	Software Defined Networking for Ad Hoc Network	EAI/Springer	2022	978-3-030-91148-5 / 2522-8609
12	Patil Prabodhan Ulhas	Study of Impact of Social Media Marketing on Growth of Financial Services with Special Reference to Mutual Fund	Archers & Elevators Publishing Hous	2021	978-81-946245-1-6 / 0
13	Patil Prabodhan Ulhas	Effect of Social Media on Consumer Internet Buying Behaviour In Maharashtra	Archers & Elevators Publishing Hous	2021	978-81-946245-1-6 / 0
14	Savale Tushar Kakasaheb	Effect of Social Media on consumer's Internet Buying Behaviour in Maharashtra	Archers & Elevators Publishing House	2021	978-81-946245-1-6 / 978-81-946245-1-6
15	Ghonge Mangesh Manikrao	Software-Defined Network-Based Vehicular Ad Hoc Networks: A Comprehensive Review	Springer	2022	978-3-030-91151-5 / 0
16	Ghonge Mangesh Manikrao	Security Approaches to SDN-Based Ad hoc Wireless Network Toward 5G Communication	Springer	2022	978-3-030-91151-5 / 0
17	Ghonge Mangesh Manikrao	Image Steganography: Recent Trends and Techniques	IGI Global	2021	9781799871606 / 0
18	Ghonge Mangesh Manikrao	Layered Architecture and Issues for 6G	CRC Press, Taylor & Francis	2021	9781003175155 / 0
19	Ghonge Mangesh Manikrao	A Novel Approach Using Steganography and Cryptography in Business Intelligence	IGI Global	2021	9781799857815 / 0
20	Ghonge Mangesh Manikrao	Multimode Approach of Data Encryption in Images Through Quantum Steganography	IGI Global	2021	9781799871606 / 0
21	PATIL PRABODHAN ULHAS	An Analytical Study of Digital & Cashless Banking: A Journey Towards a Cashless Society	New Vision	2021	978-81-949466-5-6 / 0
22	Savale Tushar Kakasaheb	Study of Impact of Social Media Marketing on Growth of Financial Services with Special reference to Mutual Fund Industry	Archers & Elevators Publishing House	2021	978-81-946245-1-6 / 978-81-946245-1-6
23	Pagar Manisha Chandrakant	OUTLINE OF GREEN MARKETING PRACTICES IN INDIAN BANKING SECTOR	Archers & Elevators Publishing House	2021	978-81-946245-1-6 / -
24	Pagar Manisha Chandrakant	THE ROLE AND RELEVANCE OF SOCIAL MEDIA MARKETING IN INDIAN BANKING SECTOR	Archers & Elevators Publishing House	2021	978-81-946245-1-6 / -



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25	Ghalme Sachin Ganpatrao	Evaluating Wear Performance of Silicon Nitride-Hexagonal Boron Nitride Composite Using Taguchi Method	BP International	2022	978-93-5547-737-8, / 978-93-5547-738-5
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<b>6.</b>	<b>No.of Conference, Symposia, Seminars,Workshops etc. Organized (2021-2022)</b>				
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Sr. No.	No. of State Level	No. of National Level	No. of International Level
1	8	6	1

<b>7.</b>	<b>Research Publications in National and International Journals/Edited Books/Proceedings (2021-2022)</b>					
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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	Mahajan Mukesh Pandit	Unmanned fuel filling facility	IJSREM	5 & 1	2021	Maharashtra / 2582-2930
2	Mahajan Mukesh Pandit	Corona Warrior Robot	IJRAR	8 & 940	2021	Maharashtra / 2348-1269
3	Baviskar Prasad Ramchandra	Review on Application of Phase Change Material for BIPV System	MATERIALS TODAY: PROCEEDINGS	59 & 6	2022	NA / 2214-7853
4	Baviskar Prasad Ramchandra	Enhancing User Experience for Computer Aided Design packages through Artificial Intelligence	DESIGN ENGINEERING	2021 & 10	2021	NA / 0011-9342
5	Baviskar Prasad Ramchandra	Study of Inclined Plate Fin Array In Natural Convection	DESIGN ENGINEERING	NA & 0	2021	NA / 0011-9342
6	Baviskar Prasad Ramchandra	Experimental Analysis and Development of Artificial Neuro fuzzy Inference System Model for Prediction of Blood Pressure Change in Hand Operated Vibration Tool	DESIGN ENGINEERING	NA & 0	2021	NA / 0011-9342
7	Ghonge Mangesh Manikrao	Cloud based IoTSmartHealthcareSystem forRemote PatientMonitoring	EAI Endorsed Transactions on Pervasive Health and Technology	7 & 11	2021	0 / 2411-7145
8	Akotkar Gopal Gajanan	IOT BASED UNDERGROUND CABLE FAULT DETECTION SYSTEM	INTERNATIONAL JOURNAL OF SCIENCE & RESEARCH (IJSR)	5 & 0	2022	0 / 3560-3158



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9	Akotkar Gopal Gajanan	MULTI POWER SUPPLY USING 4 DIFFERENT SOURCES FOR NO BREAK POWER SUPPLY CYCLE	IRJMETS	4 & 6	2022	0 / 2582-5208
10	Wanjare Hemant Francis	Innovative Teaching Methods in Management	Journal of Shanghai Jiaotong University	17 & 91	2021	NA / 1007-1172
11	Wanjare Hemant Francis	An Empirical Study of knowledge of Management and Commerce Students with respect to Financial Quotient in Nashik	Journal of Shanghai Jiaotong University	17 & 127	2021	NA / 1007-1172
12	Wanjare Hemant Francis	“Analyse the impact of organised retail malls on grocery Stores with special reference to selected FMCG Products in Nashik Cities”.	Journal of Shanghai Jiaotong University	17 & 168	2021	NA / 1007-1172
13	Wanjare Hemant Francis	Review on financial sources used as seed capital by women entrepreneurs	Juni Khyat	11 & 185	2021	NA / 2278-4632
14	Wanjare Hemant Francis	India's International Trade among SAARC Nations	Juni Khyat	10 & 162	2021	NA / 2278-4632
15	Wanjare Hemant Francis	PPP Model: An Additional Approach to Health Care	Juni Khyat	11 & 177	2021	NA / 2278-4632
16	Dhake Swapnil Ghanshyam	A brief Review on Phytochemical and Biological activities of Corchorus depressus (Linn.)	Journal of Advanced Scientific Research	13 & 107	2022	NA / 0976-9595
17	Raut Rahul Mahadeorao	Analytical Review for Sentiment Recognition – Machine Learning	Journal of Emerging Technologies and Innoviate Research	9 & 206	2022	2349-5162 / 2349-5162
18	Raut Rahul Mahadeorao	Review Paper on Loan Approval Prediction System by Machine Learning	Journal of Emerging Technologies and Innoviate Research	9 & 6	2022	2349-5162 / 2349-5162
19	Raut Rahul Mahadeorao	Review Paper on Music Genre Classification and Play Songs Using Facial Emotion	Journal of Emerging Technologies and Innoviate Research	9 & 5	2022	2349-5162 / 2349-5162



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20	Raut Rahul Mahadeorao	Personality Assessment Tool Using Ai for Friend's Recommendation on Social Media Platform	International Journal of All Research Education and Scientific Methods	10 & 5	2022	2455-6211 / 2455-6211
21	Raut Rahul Mahadeorao	Personality Assessment Tool Using Ai for Friend's Recommendation on Social Media Platform	International Journal of All Research Education and Scientific Methods	10 & 5	2022	2455-6211 / 2455-6211
22	Raut Rahul Mahadeorao	Speech Recognition Home Automation System for Visually Challenged People using IoT	International Journal of Scientific Research in Engineering and Management	6 & 5	2022	2582-3930 / 2582-3930
23	Karale Ankita Vitthal	MEOD: Memory-Efficient Outlier Detection on Streaming Data	Symmetry 2021	0 & 0	2021	0 / 0
24	Karale Ankita Vitthal	Driver Drowsiness Detection System	JETIR	8 & 0	2021	0 / 2349-5162
25	Karale Ankita Vitthal	Machine Learned Resume Scrutiny for Job Recommendations	JETIR	8 & 0	2021	0 / 2349-5162
26	Karale Ankita Vitthal	Candidate HR Assessment Tool using AI.	International journal of Advances in Engineering and Management	4 & 0	2022	0 / 2395-5252
27	Karale Ankita Vitthal	Research and Implementation of Mobile Advertising System Based on Location Service	IJRASET	9 & 0	2021	0 / 2321-9653
28	Karale Ankita Vitthal	Student Performace Pediction Using ML and AI	International Journal for Research in Applied Science & Engineering Technology	10 & 0	2022	0 / 2321-9653
29	Karale Ankita Vitthal	Online Transaction Security Using Face Recognition: A Review	IJRASET	10 & 0	2022	0 / 2321-9653
30	Karale Ankita Vitthal	Multiple Disease Detection Using Machine Learning: A Survey	IJRASET	5 & 0	2021	0 / 2321-9653
31	Helonde Namarta Jagdish	Footstep Power Generation using Piezoelectric Sensor	International Journal for Research in Applied Science & Engineering Technology	9 & 1347	2021	-- / 2321-9653



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32	Helonde Namarta Jagdish	Analytical Review for Autonomous irrigation system with Atmega 328 Microcontroller	Journal of Emerging Technologies and Innovative Research	9 & 271	2022	-- / 2349-5162
33	Patil Prabodhan Ulhas	Identifying VCUA Factor in Pandemic Era-Framework Focused on Higher Education in India	Turkish Online Journal of Qualitative Inquiry	12 & 3973	2021	0 / 1309-6591
34	Patil Prabodhan Ulhas	An outline of E- Banking regime of Indian Government	In Journal of Shanghai Jiaotong University	17 & 106	2021	0 / 1007-1172
35	Patil Prabodhan Ulhas	Analyse the impact of organised retail malls on grocery Stores with special reference to selected FMCG Products in Nashik Cities	In Journal of Shanghai Jiaotong University	17 & 168	2021	0 / 1007-1172
36	Patil Prabodhan Ulhas	An Analytical Study on Rural Consumer Buying Behaviour toward Online Shopping With Special Reference to Nashik District	In Journal of Shanghai Jiaotong University	17 & 85	2021	0 / 1007-1172
37	Patil Prabodhan Ulhas	Innovative Teaching Methods in Management	In Journal of Shanghai Jiaotong University	17 & 97	2021	0 / 1007-1172
38	Patil Prabodhan Ulhas	PPP MODEL: AN ADDITIONAL APPROACH TO HEALTH CARE	Juni Khyat UGC Care Group I Listed Journal	11 & 177	2021	0 / 2278-4632
39	Patil Prabodhan Ulhas	Outcome Based Education in Management: A Key to Excellence	International Journal of Social & Scientific Research, India	06 & 1	2021	0 / 2454-3187
40	Yadav Jaywant Namdev	Microbial Fuel Cell: A Technology for Sustainable Energy	Design Engineering	0 & 10	2021	0011-9342 / 0011-9342
41	Yadav Jaywant Namdev	Fluid Flow Characterization of Single-Strand Tundish with Flow Modifiers through Physical Water Model (PWM) and CFD Simulation	Biointerface Research in Applied Chemistry	Volume 12, & 11	2022	2069-5837 / 2069-5837



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42	Yadav Jaywant Namdev	Experimental and Simulation Analysis of Physical Water Model through Tracer Injection under Various Baffles and Turbulence Inhibitor Conditions for Developing the Fluid Flow Parameters and Inclusion Removal Rates in Tundish	Biointerface Research in Applied Chemistry	Volume 12 & 20	2022	2069-5837 / 2069-5837
43	M. Sharmila	High voltage DC(2KV) from AC (230V) in voltage Multiplier Circuit	IJODST-2021	1 & 4	2021	0 / 2582-6026
44	M. Sharmila	Heat treatment based D-Cut machine for packaging industries	IJODST-2021	1 & 5	2021	- / 2582-6026
45	Sharmila M	Micro controller based 3 phase Power analyser	IJODST-2021	1 & 4	2021	- / 2582-6026
46	Waghmare Vivek Nivruttirao	Machine Learning Technique for Rainfall Prediction	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	09 & 9	2021	00 / 2321-9653
47	Pawar Prayag ,Pawar Mandar ,Kulve Ruchika ,Chavan Shreya ,Ghonge Mangesh ,Waghmare Vivek	A Survey on Facemask Detection using A Convolutional Neural Network	International Journal of Creative Research Thoughts (IJCRT)	9 & 3	2022	NA / 2349-5162
48	Waghmare Vivek Nivruttirao	A Review on Content based SMS Classification using Regular Expression and Pattern Matching	International Journal of Creative Research Thoughts (IJCRT)	10 & 6	2022	NA / 2320 - 2882
49	Savale Tushar Kakasaheb	Analyze the Impact of organised retail malls o grocery stores with special reference to selected FMCG products in Nashik Cities	Journal of Shanghai Jiaotong University	17 & 11	2021	1007-1172 / 1007-1172
50	Savale Tushar Kakasaheb	An Emperical Study on Investor Behaviour Towards Equity Investment with Special reference to Nashik	Journal of Shanghai Jiaotong University	17 & 6	2021	1007-1172 / 1007-1172



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51	Savale Tushar Kakasaheb	Outcome based Education in Management: A key to excellence	International Journal of Social and Scientific Research	06 & 8	2021	2454-3187 / 2454-3187
52	Savale Tushar Kakasaheb	Innovative Teaching Methods in Management	Journal of Shanghai Jiaotong University	17 & 9	2021	1007-1172 / 1007-1172
53	Savale Tushar Kakasaheb	Idebtifying VUCA Factors in a Pandemic Era-A Framework focused on higher education in India	Turkish Online Journal of Qualitative Inquiry	12 & 18	2021	1309-6591 / 1309-6591
54	Savale Tushar Kakasaheb	An Overview of Black Events in Indain Stock Market	Journal of Shanghai Jiaotong University	17 & 9	2021	1007-1172 / 1007-1172
55	Savale Tushar Kakasaheb	A Conceptual Study Into Informalisation Of Employment Through Gig Economy At Zomato	Bengal, Past and Present	VI & 10	2021	0005-8807 / 0005-8807
56	Savale Tushar Kakasaheb	A Study On Financial Pattern Of Small Scale Women Entrepreneurs During Covid-19 Situations	Shodhsamhita	IX & 11	2021	2277-7067 / 2277-7067
57	Savale Tushar Kakasaheb	A Study On Innovative Teaching Learning Methods In Colleges In Nashik District, Maharashtra	RABINDRA BHARATI JOURNAL OF PHILOSOHY	XII & 5	2022	0973-0087 / 0973-0087
58	Savale Tushar Kakasaheb	A Critical Analysis On Recruitment Policies Of Google Inc: A Case Study	International Journal of Advance and Innovative Research	8 & 5	2021	2394 - 7780 / 2394 - 7780
59	Bidkar Kisan Laxman	SCHEFFE'S THEORY FOR MATHEMATICAL MODELING	Elementary Education Online	20 & 27	2021	1305-3515 / 1305-3515
60	Bidkar Kisan Laxman	EFFICIENT FLOW MEASUREMENT DEVICES FOR OPEN CHANNELS	Psychology and Education	58 & 3	2021	1553-6939 / 1553-6939
61	Bidkar Kisan Laxman	Rotational Water Supply System in Command Area for Irrigation	International Journal for Modern Trends in Sceicen and Technology	3 & 7	2021	0707043 / 2455-3778





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62	Malkhede Dinesh Vishnu	IOT base smart irrigation pump control and minitoring system	IJODST	01 & 4	2021	2582-6026 / 2582-6026
63	Potgantwar Amol Dnyaneshwar	A Hybrid Optimization Driven Deep Learning Technique For automatic Detection of Skin Cancer Using TWCO Approach	Journal of the Maharaja Sahajirao University of Baroda(Scopus)	56 & 8	2022	0 / 0025-0422
64	Potgantwar Amol Dnyaneshwar	Comperative Assessment of Taylor Water Cycle Optimization (TWCO)- based deep residual network (DRN) for skin cancer detection using deep learning	International Journal of Health Sciences (Scopus)	6 & 14	2022	0 / 2550-6978
65	Potgantwar Amol Dnyaneshwar	Taylor Water Cycle Optimization Based Deep Residual Network classifier for skin cancer detection model	Journal of Algebraic Stastics	13 & 5	2022	0 / 1309- 3452
66	Potgantwar Amol Dnyaneshwar	A Novel Intellignet Efficient and Dynamic Cluster Based Routing Protocol for IoT Assisted Precision Agriculture	Journal of Algebraic Statistics(WoS)	13 & 13	2022	0 / 1309-3452
67	Potgantwar Amol Dnyaneshwar	DEPRESSION DETECTION BY ANALYZING SOCIAL MEDIA POST OF USE : RESEARCH PAPER	INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS	10 & 14	2022	0 / 2320-2882
68	Potgantwar Amol Dnyaneshwar	Overview on:An Android-based application for Farmers to Trade and Predict crops	International Journal of Creative Research Thoughts	10 & 5	2022	0 / 2320-2882
69	Pagar Manisha Chandrakant	An Empirical Study of knowledge of Management and Commerce students with respect to Financial Quotient in Nashik	Journal of Shanghai Jiaotong University	17 & 17	2021	- / 1007-1172
70	Pagar Manisha Chandrakant	Outcome Based Education in Management: A Key to Excellence	CnR's International Journal of Social & Scientific Research, India	06 & 9	2021	- / 2454-3187



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71	Pagar Manisha Chandrakant	An Empirical Study on Investor Behaviour Toward Equity Investment With Special Reference to Nashik	Journal of Shanghai Jiaotong University	17 & 7	2021	- / 1007-1172
72	Pagar Manisha Chandrakant	An overview of Black Swan Events in Indian Stock Market	Journal of Shanghai Jiaotong University	17 & 10	2021	- / 1007-1172
73	Pagar Manisha Chandrakant	An Analytical Study on Rural Consumer Buying Behaviour toward Online Shopping With Special Reference to Nashik District	Journal of Shanghai Jiaotong University	17 & 12	2021	- / 1007-1172
74	Ghalme Sachin Ganpatrao	Analysis of factors affecting delamination in drilling GFRP composite	Journal of Computational and Applied Research in Mechanical Engineering	10 & 9	2021	-- / 2251-6549
75	Ghalme Sachin Ganpatrao	Improving Mechanical Properties of Rice Husk and Straw Fiber Reinforced Polymer Composite through Reinforcement Optimization	Jordan Journal of Mechanical and Industrial Engineering	15 & 7	2021	NA / 1995-6665
76	Ghalme Sachin Ganpatrao	Microbial Fuel Cell: A Technology for Sustainable Energy	Design Engineering	2021 & 11	2021	- / 0011-9342
77	Thoutam Naresh	Chronic Kidney Disease Prediction Using Machine learning	International Journal of Research Publication and Reviews Journal	2 & 7	2021	0 / 2582-7421
78	Thoutam Naresh Chandramouli	REAL TIME DRIVER DROWSINESS DETECTION SYSTEM USING FACIAL FEATURES (OVERVIEW)	International Research Journal of Modernization in Engineering Technology and Science	4 & 5	2022	0 / 2582-5208
79	Thoutam Naresh Chandramouli	Android Application For Food, Clothes And Books Donation And Management	International Journal of Creative Research Thoughts	10 & 5	2022	0 / 2320-2882
80	Thoutam Naresh Chandramouli	Overview on: An Android-based application for Farmers to Trade and Predict crops	International Journal of Creative Research Thoughts	10 & 5	2022	0 / 2320-2882
81	Thoutam Naresh Chandramouli	Real- Time Driver-Drowsiness Detection System Using Facial Feature	International Journal of Creative Research Thoughts	10 & 5	2022	0 / 2320-2882



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82	Thoutam Naresh Chandramouli	Door to Door All in One Delivery and Home Services	International Journal of Creative Research Thoughts	10 & 5	2022	0 / 2320-2882
83	Thoutam Naresh Chandramouli	Cloud Based Stock Price Prediction using News Sentiment Analysis- A Review of Literature	IJARIE	7 & 4	2021	0 / 2395-4396
84	Thoutam Naresh Chandramouli	Cloud Based Stock Price Prediction Using News Sentiment Analysis	IJARIE	7 & 3	2021	0 / 2395-4396
85	Thoutam Naresh Chandramouli	Prediction of CKD (Chronic Kidney Disease) using Machine Learning	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	9 & 7	2021	0 / 2321-9653
86	Thoutam Naresh Chandramouli	A Review: Word Sense Disambiguation	IJARIE	7 & 6	2021	0 / 2395-4396
87	Thoutam Naresh	Word Sense Disambiguation (WSD) using Neural Networks	IJARIE	7 & 8	2021	0 / 2395-4396
88	Shirsath Kamini Ashutosh	POTHOLE DETECTOR USING IoT	GIS Science Journal	8 & 7	2021	1869-9391 / 1869-9391
89	Shirsath Kamini Ashutosh	Reducing empty truck problem and route optimization for enhanced and sustainable logistic transportation	International Journal of Creative Research Thoughts (IJCRT)	9 & 7	2021	2320-2882 / 2320-2882
90	Patil Milind Motiram	Experimental Approach to Investigate Heat Transfer Enhancement using Nano Fluids with Jet Impingement	International Journal of Ambient Energy	NA & 14	2022	NA / 0143-0750
91	Patil Milind Motiram	Review on Application of Phase Change Material for BIPV System	MATERIALS TODAY: PROCEEDINGS	59 & 6	2022	NA / 2214-7853
92	Khaire Sneha Arjun	Drug Discovery Using Neural Network (MANN)	International Journal of Research and Analytical Reviews(IJRAR)	9 & 3	2022	2348-1269 / 2348-1269
93	Khaire Sneha Arjun	Doctor-Bot: AI Powered Conversational Chatbot for Delivering E-Health	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	10 & 4	2022	- / 2321-9653
94	Khaire Sneha Arjun	Indian Sign Language Recognition System	International Research Journal of Modernization in Engineering Technology and Science	4 & 8	2022	- / 2582-5208



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95	Khair Sneha Arjun	News Letter Web Scrapping	International Research Journal of Modernization in Engineering Technology and Science	4 & 5	2022	- / 2582-5208
96	Patil Pramod Gorakh	Remotely Accessible Smart Door Lock System Using IoT	International Research Journal of Engineering and Technology (IRJET)	8 & 3	2021	- / 2395-0072
97	Patil Pramod	Face Mask Detection with Alert System using Artificial Intelligence: Implementation of a Pre-Trained Model in Detection of Masks	International Journal for Research in Applied Science & Engineering Technology	9 & 3	2021	- / 2321-9653
98	Patil Pramod G.	Augmented Reality Media (Ed.AR)	International Journal for Research in Applied Science & Engineering Technology .	9 & 3	2021	- / ISSN: 2321-9653
99	Patil Pramod Gorakh	Print on Air: Implementation of a Cloud-based Printing Order Management System.	International Journal for Research in Applied Science & Engineering Technology	9 & 3	2021	- / 2321-9653
100	Patil Sarika Prashantkumar	Identifying VUCA Factors in Pandemic Era- A Framework Focused on Higher Education in India	Turkish Online Journal of Qualitative Enquiry (TOJQE)	12 & 3973	2021	0 / 1309-6591
101	Gade Swati Avinash	Optimal utilization of unified power quality conditioner using the JAYA optimization algorithm	Engineering Optimization	1 & 17	2021	-- / 1029-0273
102	Gade Swati Avinash	Recent Trends in Power Quality Improvement: Review of the Unified Power Quality Conditioner	ECTI Transactions on Electrical Engineering, Electronics, and Communications	19 & 20	2021	-- / 16859545
103	Nayak Jyotiprakash Giridharilal	Artificial neural network based water quality index (WQI) for river Godavari (India)	Materials Today: Proceedings	Arril 2021 & 25	2021	<a href="https://doi.org/10.1016/j.matpr.2021.03.100">https://doi.org/10.1016/j.matpr.2021.03.100</a> / <a href="https://doi.org/10.1016/j.matpr.2021.03.100">https://doi.org/10.1016/j.matpr.2021.03.100</a>
104	Ghuse Namrata Dhanraj	Drive Assist - A Road Lane Line Detection System: Review	IJCRT	107 & 4	2022	- / ISSN: 2320-2882



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105	Ghuse Namrata Dhanraj	A Review on Identification of Missing Persons and Criminals using Image Processing	IJCRT	10 & 5	2022	- / ISSN: 2320-2882
106	Ghuse Namrata Dhanraj	A Review on Identification of Missing Persons and Criminals using Image Processing	IJCRT	10 & 5	2022	- / ISSN: 2320-2882
107	Ghuse Namrata Dhanraj	Diagnosing Voice Disorder with Machine Learning	International Journal of Scientific Research in Engineering and Management (IJSREM)	5 & 5	2021	- / 2582-3930
108	Gaidhani Abhay Raghunath	DEPRESSION DETECTION BY ANALYZING SOCIAL MEDIA POST OF USER	IJCRT	10 & 5	2021	0 / 2320-2882
109	Gaidhani Abhay Raghunath	Customer Churn Prediction	IJCRT	9 & 5	2021	0 / 2320-2882
110	Gaidhani Abhay Raghunath	Voice Based E-mail System For The Visually Challenged	IJCRT	10 & 4	2021	0 / 2320-2882
111	Gaidhani Abhay Raghunath	Fool proof examination system through color visual cryptography	IJRAMT	2 & 4	2021	0 / 2582-7839
112	Gaidhani Abhay Raghunath	A review on RFID Tourist system	IJRASET	9 & 3	2021	0 / 2321-9653
113	Gaidhani Abhay Raghunath	RFID based E-Tourist Guide	IRJET	8 & 4	2021	0 / 2395-0056
114	Gaidhani Abhay Raghunath	Shopping using Augmented reality	IRJMETS	3 & 8	2021	0 / 2582-5208
115	Falak Yogeshkumar Ravindra	Microbial Fuel Cell: A Technology for Sustainable Energy	DESIGN ENGINEERING	2021 & 11	2021	NA / 0011-9342
116	Khokale Swati Rahul	Review on Detection of Cyber bullying using Machine Learning	Journal of Emerging Technologies and Innovative Research (JETIR)	8 & 5	2021	23495162 / 23495162
117	Khokale Swati Rahul	Survey on Real-Time Peer to Peer Multimedia Communication application	Journal of Emerging Technologies and Innovative Research (JETIR)	8 & 4	2021	23495162 / 23495162
118	Khokale Swati Rahul	Rural Healthcare Smart Diagnosis System	: International Journal for Modern Trends in Science & Technology	7 & 4	2021	24553778 / 24553778



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119	Khokale Swati Rahul	A Review on Fake News Detection with Machine Learning	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	9 & 4	2021	23219653 / 23219653
120	Khokale Swati Rahul	A Fabric Defect Detection Using Computer Vision & Template Matching Method	International Journal for Modern Trends in Science and Technology	7 & 5	2021	24553778 / 24553778
121	Khokale Swati Rahul	Graphical Pass Image Technique Combined With OTP For Prevention Of Shoulder Surfing Attacks	International Journal of Research and Analytical Reviews(IJRAR)	9 & 4	2022	23481269 / 23481269
122	Khokale Swati Rahul	Leaf Disease Detection Using Transfer Learning	International Journal of Scientific Development and Research (IJS DR)	7 & 5	2022	24552631 / 24552631
123	Khokale Swati Rahul	"Body Weight and Measurement Analysis from Human Body Images." "	International Journal of Research and Analytical Reviews(IJRAR)	9 & 5	2022	23495138 / 23495138
124	Khokale Swati Rahul	Review on Speech Emotion Recognition Using	Journal of Emerging Technologies and Innovative Research (JETIR)	9 & 4	2022	23495162 / 23495162
125	Khokale Swati Rahul	DailyWay - Smart Dairy Management Solution	International Journal for Research in Applied Science & Engineering Technology	10 & 5	2022	23219653 / 23219653
126	Khokale Swati Rahul	Review on Wine Quality Testing using Machine	Journal of Emerging Technologies and Innovative Research (JETIR)	9 & 4	2022	23495162 / 23495162
127	Khokale Swati Rahul	Raw Material Demand Forecasting in Automobile Industry	Journal of Emerging Technologies and Innovative Research (JETIR)	9 & 4	2022	23495162 / 23495162
128	Khokale Swati Rahul	e-Complaint Notifier Of Dissatisfied Residents	International Journal of Research and Analytical Reviews(IJRAR)	9 & 4	2022	23495138 / 23495138
129	Mahajan Mukesh Pandit	Biometric Attendance System Using	IJRAR	8 & 448	2021	2348-1269 / 2348-1269
130	Mahajan Mukesh Pandit	An Overview on Automobile Speed Violation Detection System using RFID and GSM Technologies.	IJARIE	7 & 3433	2021	2395-4396 / 2395-4396
131	Gade Swati Avinash	ELECTRIC VEHICAL CHARGING STATION &AUTOMATIC BILLING SYSTEM	International Conference on Emerging trends in Engineering and Technology, ICETET-2021	4	2021	-- / --



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132	Gade Swati Avinash	Optimal utilization of UPQC during steady state using evolutionary optimization techniques	2021 International Conference on Intelligent Technologies (CONIT)	7	2021	-- / 21174663
133	Gade Swati Avinash	Optimal utilization of UPQC at different operating condition using TLBO	2021 56th International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST)	4	2021	978-1-6654-2886-6 / --
134	Gade Swati Avinash	Optimal utilization of UPQC during voltage sag and steady-state using particle swarm optimization	Intelligent Computing in Information Technology for Engineering System	5	2021	9781032270807 / --
135	Gade Swati Avinash	Optimal VA Loading of UPQC Using Rao-1 Algorithm	Sustainable Technology and Advanced Computing in Electrical Engineering	780	2021	-- / 1876-1100
136	Vaidya Omkar Suresh	Wireless Monitoring of COVID Affected Patients Using Zigbee Communication	International Conference on Emerging Trends in Engineering and Technology (ICETET-2021)	5	2021	0128-7680 / 0128-7680
137	Vaidya Omkar Suresh	Design and Development of Smart Personal Protective Equipment Vending Machine using Internet of Thing	IEEE International Conference on Emerging Smart Computing & Informatics	6	2021	0 / 0
138	Vaidya Omkar Suresh	Real Time Handwritten Digit Recognition using Neural Networks for Accurate Marks Entry on Examination Portal	International e-Conference on "Intelligent Systems" 2021 (ICIS2021)	7	2021	0 / 0
139	Ghonge Mangesh Manikrao	Steganography using Improved LSB Approach and Asymmetric Cryptography	2020 IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation (ICATMRI)	8	2021	978-1-7281-7734-2 / 0
140	Helonde Namarta Jagdish	Smart Shopping Trolley	Journal Publication of International Research for Engineering and Management	1	2022	-- / --
141	M. Sharmila	IOT based Smart water paper	International Conference on Emerging trends in Engineering and Technology	4	2021	0 / 0
142	M. Sharmila	IoT based electric pole safety sustem	International Conference on Emerging trends in Engineering and Technology	4	2021	0 / 0
143	M. Sharmila	IOT BASED SMART WATER METER	International conference on Emerging Trends in Engineering and Technology	0	2021	0 / IFERP20210707-1006943125



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144	M. Sharmila	IoT based electric pole safety sustem	International conference on Emerging Trends in Engineering and Technology	0	2021	0 / 0
145	Gade Swati Avinash	Optimal utilization of UPQC During voltage sag and steady state using Particle Swarm Optimization	International Conference on Emerging trends in Engineering and Technology, ICETET-2021	4	2021	- / -
146	Gade Swati Avinash	IOT based Smart water meter	International Conference on Emerging trends in Engineering and Technology, ICETET-2021	4	2021	-- / --
147	Gade Swati Avinash	AUTOMATIC LIFT DISINFECTION	International Conference on Emerging trends in Engineering and Technology, ICETET-2021	4	2021	-- / --
148	Gade Swati Avinash	IoT based electric pole safety sustem	International Conference on Emerging trends in Engineering and Technology, ICETET-2021	4	2021	-- / --
149	Gade Swati Avinash	Fully Automatic Veggie Washer Using Ozone Disinfectant	International Conference on Emerging trends in Engineering and Technology, ICETET-2021	4	2021	-- / --
150	Gade Swati Avinash	A new approach for autonomous waste garbage management for smart cities or metro cities	International Conference on Emerging trends in Engineering and Technology, ICETET-2021	4	2021	-- / --

8. Research Projects/Schemes Undertaken by Teachers (2021-2022)							
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	Sachin Ghalme	Technology	Preparation and Evaluation of Mechanical Propertie	DST	01/07/2019-30/06/2020	100000	Minor
2	Dr Gayatri Phade	Engineering	Maruti 2021: A blood sample delivering drone	Other	15/07/2021-31/12/2021	37057	Minor
3	Dr Gayatri Phade	Engineering	IoFT Based HiTech Onion Farming	DST	23/02/2021-15/04/2022	100000	Minor
4	Dr Gayatri Phade	Engineering	Canopy Detection and Spraying	DST	23/02/2021-23/02/2022	100000	Minor
5	Dr Gayatri Phade	Engineering	Training for Kerala PWD Govt officers through IEI	Other	23/03/2022-24/03/2022	32000	Minor





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6	Dr Gayatri Phade	Engineering	IEEE Bombay Section STEM Education Workshop	Other	29/03/2022-29/03/2022	13000	Minor
9.	Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2021-2022)						
Sr. No.	No. of Teachers Attended State Level		No. of Teachers Attended National Level		No. of Teachers Attended International Level		
1	5		16		2		
10.	No. of Collaboration with International Institute/Colleges/University Department during the Year (2021-2022)						
Sr. No.	MoU	Exchange Program	Exchange of Teachers		Franchise		
1	1	0	0		0		
11.	Grants Sanction for Funding Agency (2021-2022)						
Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other		
1	0	0	0	0	1		

12.	Faculty Wise Enrollment Of Students (2021-2022)													
Faculty		Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering		FEMALE	42	17	6	2	0	5	3	2	49	2	0	128
		MALE	90	37	34	8	0	10	11	15	115	9	0	329
TOTAL			132	54	40	10	0	15	14	17	164	11	0	457



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13.	Statistical Information about Teacher for Academic Year ( 2021-2022 )						
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(B)	0	0	0	1	0	1
2	NT(D)	0	0	0	1	0	1
3	OBC	5	1	6	11	0	11
4	OPEN	8	1	9	18	3	21
5	SBC	0	0	0	1	1	2
6	SC	0	0	0	4	1	5
	<b>Total</b>	13	2	15	36	5	41

Signature  
HOD/Principal/Director