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College Details

1.	Name Of the Department/College/Institute	:	Amrutvahini Sheti And Shikshan Vikas Sanstha Amrutvahini Engineering College Addr: PO Sangamner SK sangmaner Ta: Sangamner Dist: Ahmednagar	2.	Address Of the Department/College/Institute	:	PO Sangamner SK sangmaner Ta: Sangamner Dist: AhmednagarPincode: 422608
3.	Name Of the Head/Principal/Director	:	Meda Adisheshaiahshetty Venkatesh	4.	Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address	:	Tele.- 02425-259096 Email- principal@avcoe.org URL- www.avcoe.org

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	Bayas Eknath Tryambakrao	Trends and Technology Challenges in Current Patent Laws	Blue Rose Publication	2023	978-935-741302-2 /
2	Mate Nilesh Uttamrao	Blast Retrofitting of Reinforced Concrete Structures Using Jacketing Schemes	Springer Nature	2023	2366 2557 / 2366 2565
3	Mate Nilesh Uttamrao	Seismic Behavior of Regular and Vertically Irregular Reinforced Concrete Building by 3D and MDOF Models	Springer	2023	978-981-99-1603-0 / 2366-2557
4	Mate Nilesh Uttamrao	Parametric Study of Castellated Steel Beams	Springer Nature	2023	2366 2557 / 2366 2565
5	Khemnar Narayan Sahadu	Friction stir welding of dissimilar metals	Wiley	2024	978-1-394-16944-3 / 0
6	Deshmukh Kishor Bhausahab	Prediction and Optimization of Thermal Conductivity and Viscosity of Stable Plasmonic TiN Nanofluid Using RSM and ANN Combined Approach for Solar Thermal Applications	Springer	2023	978-981-99-2279-6 / 978-981-99-2278-9
7	Shinde Vilas Baburao	Trajectory Optimization of an Industrial Robot Using Teaching-Learning-Based Optimization	Springer	2023	978-981-19-9285-8 / 0
8	Gadakh Vijay Shivaji	Friction Stir Forming and Processing: State-of-the-Art	Wiley	2024	0 / 0
9	Gadakh Vijay Shivaji	Friction stir welding of dissimilar metals	Wiley	2024	0 / 0



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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	NA		NA		NA	
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	Jondhale Satish Raosaheb	Energy Efficient Received Signal Strength-Based Target Localization and Tracking Using Support Vector Regression	Energies	16 & 17	2023	1996-1073 / -
2	Aware Vijay Ramesh	“VOICE OPERATED LIFT CONTROL SYSTEM WITH SAFETY”	International Research Journal Of Modernization in Engineering Technology and Science	06 & 8	2024	2582-5208 / 2582-5208
3	Aware Vijay Ramesh	GSM Based Transformer Healthcare Monitoring with overload alert	Innovative Journal for opportunities and development in science and Technology	03 & 8	2023	2582-6026 / 2582-6026
4	Aware Vijay Ramesh	Mine Safety System Using IOT	Innovative Journal for opportunities and development in science and Technology	03 & 8	2023	2582-6026 / 2582-6026
5	Gunjal Mahesh Bhaskar	Cloud Data Recovery and Secure Data Storage with Advanced Cauchy ReedSolomon Codes and Role-Based Cryptographic Access	Scandinavian Journal of Information Systems (SJIS)	35 & 20	2023	7808155 / 7808155
6	Gunjal mahesh Bhaskar	multi Authority access control mechanism for role based access control for data security in cloud	international journal of ISAE	11 & 2050264	2023	214767992 / 214767992
7	Mehetre Amol Jagannath	EFFECT OF WIND LOAD ON TWISTED HIGH RISE BUILDINGS USING E-TABS	Industrial Engineering Journal	Volume 52 & 11	2023	NA / 0970-2555



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8	Mehetre Amol Jagannath	ANALYSIS AND DESIGN OF G+11 STOREY RESIDENTIAL BUILDING WITH AND WITHOUT FLOATING COLUMN	Indian Institution of Industrial Engineering	Volume 52 & 13	2023	NA / 0970-2555
9	Pawar Rahul Bhausaheb	Implementation Towards Drowsiness Detection	IJRSET	12 & 8	2023	1233 / 2319-8753
10	Patil Dipak Raghunath	Deep learning approaches for multi-modal sensor data analysis and abnormality detection	Measurement: Sensors	33 & 7	2024	- / 2665-9174
11	Patil Dipak Raghunath	Software Vulnerability Assessment and Classification Using Recurrent Neural Network and LSTM	International Journal of Intelligent Systems and Applications in Engineering	12 & 11	2024	- / 2147-6799
12	Patil Dipak Raghunath	4-Port MIMO Antenna Diversity Analysis for 5G Applications	IJISAE	11 & 12	2023	- / 2147-6799
13	Gite Ravindra Eknath	A review on process parameters, microstructure and mechanical properties of additively manufactured AlSi10Mg alloy	Materials Today: Proceedings	72 & 20	2023	- / 2214-7853
14	Kawade Sudhir Bajarang	IOT Based Human Health Monitoring System	IJIRCCE	11 & 8	2023	2320-9801 / 2320-9798
15	Kawade Sudhir Bajarang	Face Mask Detection system Using Artificial Intelligence	IRJET	10 & 5	2023	2395-0072 / 2395-0072
16	Gaikwad Rahul Subhash	MCNN: Visual Sentiment Analysis using Various Deep Learning Framework with Deep CNN	International Journal of Intelligent Systems and Applications in Engineering	11 & 14	2023	- / 2147-6799
17	Gaikwad Rahul Subhash	Image sentiment classification using deep convolutional neural network models	Journal of Data Acquisition and Processing	38 & 11	2023	- / 1004-9037
18	Ubale Vilas Sheshrao	4-Port MIMO Antenna Diversity Analysis for 5G Applications	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	11 & 12	2023	2147-67992 / 2147-67992



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19	Pawase Ramesh Sahadu	Design, Simulation and Implementation of FOC-SVM DCMLI Driven PMSM Drive	International Journal of Electric and Hybrid Vehicles	Accepted for Publication & 1	2023	1751-4088 / 1751-4096
20	Tapre Pawan ,Thakre Mohan ,Pawase Ramesh ,Thorat Jaywant ,Dahigaonka Dipak ,Mapari Rahul ,Kadlag Sunil ,Khule Shridhar	New Control Scheme for a DVR based on Selective Harmonic Injection Technique with Repetitive Controller	The Bulletin of Electrical Engineering and Informatics	12 & 1	2023	2089-3191 / 2302-9285
21	Pawase Ramesh Sahadu	Integration of Storage Technology Oversight: Power System & Computer Engineering Analogy	The Bulletin of Electrical Engineering and Informatics	12 & 1	2023	2089-3191 / 2302-9285
22	Kumar Vijay Rupanram	Remote Monitoring and Controlling Electrical Devices for Industrial Application	International Journal for Research in Applied Science & Engineering Technology	11 & 6	2023	- / 23219653
23	Kumar Vijay Rupanram	IOT-Based Flood Monitoring and Alarm System	International Journal for Research in Applied Science & Engineering Technology	11 & 4	2023	- / 2321-9653
24	Kumar Vijay Rupanram	An Advanced Ultracapacitor SOC Concept to Increase Battery Life Span of Electric Vehicles	International Journal of High Speed Electronics and Systems	32 & 26	2023	- / 01291564
25	Deokar Rohini Nivrutti	Automated tomato sorting Technique for agriculture and food industry using IOT	International Journal of Scientific Research	4 & 8	2024	2581-9429 / 2581-9429
26	Deokar Rohini Nivrutti	IOT Based Solar and wind water Heater System	International journal of advanced Research in Science , communication and Technology	4 & 8	2024	- / 2581-9429
27	Puri Ganesh Dagadu	Implementation of Big Data Privacy Preservation Technique for Electronic Health Records in Multivendor Environment	(IJACSA) International Journal of Advanced Computer Science and Applications,	14 & 10	2023	2156-5570 / 2156-5570
28	Pendbhaje Gaurav Sanjay	Design and Development of Power Transmission System for Self- Propelled Multipurpose Onion Harvester	GRADIVA REVIEW JOURNAL	9 & 7	2023	- / 0363-8057



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29	Gagare Sunil Raosaheb	Bit Error Rate Performance Analysis of OFDM System Over AWGN Channel	International Journal of Applied Engineering Research	18 & 6	2023	0973-4562 / 0973-4562
30	Gagare Sunil Raosaheb	A Review on Image Processing and Comparison of Classification Techniques	International Journal for Research in Engineering Application & Management	9 & 5	2023	2454-9150 / 2454-9150
31	Shinde Vilas Baburao	Minimizing cycle time and energy consumption for a multi-degree serial manipulator using Teaching Learning-Based Optimization	Journal of the Brazilian Society of Mechanical Sciences and Engineering	0 & 8	2023	0 / 1806-3691
32	Bhadane Kishor Vinayak	Classification and review of electric circuit models for electric vehicle batteries	Int. J. Electric and Hybrid Vehicles,	15 & 19	2023	1751-4088 / 1751-4096
33	Bhadane Kishor Vinayak	A Comprehensive and Integrative Role of GIS in Modern Power Systems	Indian Journal of Technical Education	47 & 7	2024	0971-3034 / 0971-3034
34	Bhadane Kishor Vinayak	Measurement and Analysis of Voltage Sag and Swell in Large Penetrated Grid-Connected Wind Farm	Institute of Engineers B series Springer	105 & 19	2024	22502114 / 22502106
35	Bhadane Kishor Vinayak	Electrical Models for EV's Batteries: An Overview and Mathematical Design of RC Network	Journal of The Institution of Engineers (India) Series B, Springer Publication,	104 & 14	2023	22502106 / 22502114,
36	Pathak Anil Kumar	AI Integrated Voice and Gesture Control for Smart Wheelchair	International Journal for Modern Trends in Science and Technology	- & 11	2023	- / 2455-3778
37	Nagare Prashant Narayan	Multi Objective Design Optimization of Split Journal Bearing Using Genetic Algorithm	International Journal of Science, Mathematics and Technology Learning	31 & 10	2023	NA / 2327-915X
38	Dond Dipak K,Suryawanshi Shubham S,Nagare Prashant N	Computational Fluid Dynamics study to Investigate the Performance of Fluid Film Journal Bearings with Different Geometries	Materials Today: Proceedings	Online first & 7	2023	NA / 2214-7853



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39	Deshmukh Kishor Bhausaheb	The influence of injection pressure and exhaust gas recirculation on a VCR engine fueled by microalgae biodiesel	Heat Transfer	53 & 15	2024	2688-4534 / 2688-4542
40	Deshmukh Kishor Bhausaheb	Experimental investigation of convective heat transfer performance of TiN nanofluid charged U-pipe evacuated tube solar thermal collector	Applied Thermal Engineering	225 & 13	2023	1873-5606 / 1359-4311
41	Deshmukh Kishor Bhausaheb	Experimental investigation of convective heat transfer inside tube with stable plasmonic TiN nanofluid and twisted tape combination for solar thermal applications	Heat and Mass Transfer	59 & 18	2023	0947-7411 / 1432-1181
42	Gundal Sheetal Suryakant	Artificial Neural Networks-based Improved Levenberg-Marquardt Neural Network for Energy Efficiency and Anomaly detection	Wireless Networks	29 & 23	2023	NA / 1572-8196
43	Mate Nilesh Uttamrao	A state of art review on analysis and design of pre-engineered buildings	Materials Today: Proceedings	77 & 7	2023	2214-7853 / 2214-7853
44	Mate Nilesh Uttamrao	Structural pounding of three adjacent multi degree of freedom system under subsurface blast and seismic action by considering and ignoring the effect of soil structure interaction	Materials Today: Proceedings	77 & 9	2023	2214-7853 / 2214-7853
45	Mate Nilesh Uttamrao	Parametric Investigation of Three Adjacent Multi-Degree-of-Freedom Systems Under Surface Blast Action.	Journal of Vibration Engineering and Technology	Online Published & 22	2024	2523-3920 / 2523-3939



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46	Mate Nilesh Uttamrao	Structural pounding of three adjacent multi degree of freedom system under subsurface blast and seismic action by considering and ignoring the effect of soil structure interaction	Materials Today Proceedings	Online Available & 9	2023	2214 7853 / 2214 7853
47	Joshi Atul Arunrao	Disposal of Sanitary Pads	International Journal for Multidisciplinary Research	6 & 5	2024	2582-2160 / 2582-2160
48	Joshi Atul Arunrao	Smart Energy Management And Overload Control Of Hostel Rooms Using IOT	Innovative Journal for Opportunities and Development in Science & Technology	3 & 7	2023	2582-6026 / 2582-6026
49	Wakchaure Manoj Ashok, Sripada Rama Sree	Integrated learning algorithms-based epileptologist assistive tool for seizure detection and prediction	Soft Computing	- & 10	2023	https://doi.org/10.1007/s00500-023-07913-7 / -
50	Kandekar Sachin Balkrishna, Mehetre Amol Jagannath, Mate Nilesh Uttam, Ingole Ramakant S	Parametric Study of Castellated Steel Beams	Lecture Notes in Civil Engineering	352 & 9	2023	978-981-99-2675-6 / 533-541
51	Sethi Surinder Bhupinder	A Study of investment analysis of the salaried people at Nashik City	PURVADEVA - A Soical Science Research Journal	112 & 160	2023	nil / 0974-1100
52	Sethi Surinder Bhupinder	Financial Management in Modern Business	The British Journal of Administrative Management	59 & 211	2023	nil / 1746 - 1278
53	Pande Arvind Subhash	Electrical Models for EV's Batteries: An Overview and Mathematical Design of RC Network	Journal of The Institution of Engineers (India): Series B	104 & 14	2023	0000-0000 / 2250-2114
54	Pande Arvind Subhash	Solar Based Machine for Management of Plastic Wastes	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	3 & 5	2023	0000-0000 / 2581-9429
55	Pande Arvind Subhash	Classification and review of electric circuit models for electric vehicle batteries	International Journal of Electric and Hybrid Vehicles	15 & 19	2023	0000-0000 / 1751-4096
56	Kadlag Sunil Somnath	A Novel Pulse Charger with Intelligent BMS for Fast Charging of Electric Vehicle	Bulletin of Electrical Engineering & Informatics	Vol-12 & 6	2023	-- / 2089-3191



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57	Kadlag Sunil Somnath	Pulse Charging based Intelligent Battery Management System for Electric Vehicle	Bulletin of Electrical Engineering & Informatics	12 & 9	2023	-- / 2302-9285
58	Kadlag Sunil Somnath	Design, Simulation and Implementation of Foc-Svm Dcmli Driven Pmsm Drive	International Journal of Electric and Hybrid Vehicles	Accepted For publication in Forthcoming Issue (In Press) & 8	2023	-- / 1751-4096
59	Kadlag Sunildatta Somnath	Performance analysis of FOC space vector modulation DCMLI driven PMSM drive	Bulletin of Electrical Engineering and Informatic	12 & 11	2023	- / 23029285
60	Kadlag Sunil Somnath	A Versatile Methodology for Preventing a Parallel Transmission System Using Impedance-Based Techniques	Bulletin of Electrical Engineering and Informatics (BEEI)	12 & 8	2023	-- / 2089-3191
61	Kadlag Sunildatta Somnath	An Ingenious MMC topology appropriate for motor drives across their entire frequency spectrum	Bulletin of Electrical Engineering & Informatics	12 & 13971412	2023	-- / 2089-3191
62	Kadlag Sunil Somnath	A Multi-Level Neutral-Point-Clamped Inverter Driven Pmsm High-Speed Electric Drive	Internation Journal of Electric and Hybrid Vehicles	Accepted For publication in Forthcoming Issue & 8	2023	- / -
63	Kadlag Sunil Somnath	Performance analysis and improvement of a high-efficiency DCMLI-based PMSM drive for electric vehicles using AVR microcontroller	International Journal of Vehicle Noise and Vibration(IJVNV)	19 & 32	2023	- / 14791471
64	Kadlag Sunil Somnath	New control scheme for a dynamic voltage restorer based on selective harmonic injection technique with repetitive controller	Bulletin of Electrical Engineering and Informatic	Accepted For publication in Forthcoming Issue & 15	2023	- / -
65	Kadlag Sunildatta Somnath	Simulation Analysis of Electric Vehicle Charging Station using hybrid source	international journal of applied power engineering	13 & 7	2023	- / 2252-8792



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66	Kadlag Sunildatta Somnath	The Novel Strategy of Electrical Arc Furnace Design and Control Approach for Voltage Flicker Investigation	Bulletin of Electrical Engineering and Informatic	12 & 11	2023	- / 23029285
67	Kadlag Sunildatta Somnath	Implementation of a P & E Management System for a Dual- Source EV Powered By Different Batteries	Bulletin of Electrical Engineering and Informatic	12 & 12	2023	- / 23029285
68	Kadlag Sunildatta Somnath	Integration of storage technology oversight: power system and computer engineering analogy	Bulletin of Electrical Engineering and Informatic	12 & 10	2023	- / 23029285
69	Gawali Anita Diliprao	Advertisement Recommendation system using Artificial Inmtelligence	IJAR SCT	3 & 5	2023	2581-9429 / 2581-9429
70	Gawali Anita Diliprao	Advertisement Recommendation system using Artificial Inmtelligence	IJAR SCT	3 & 5	2023	2581-9429 / 2581-9429
71	Bhanegaokar Tejas Ramesh	Smart Parking using RFID card for College	International Journal for Modern Trends in Science and Technology,	6 & 4	2023	-- / 2455-3778
72	Bhanegaokar Tejas Ramesh	Cost Effective Smart Hydroponic Monitoring and Controlling System using IOT	International Journal of Advanced Research in Science, Communication and Technology	4 & 5	2024	-- / 2581-9429
73	Shinde Haribhau Ashok	A NOVEL WIDEBAND SPECTRUM SENSING FOR COGNITIVE RADIO USING SPARSE APPROXIMATION	Journal of Data Acquisition and Processing	Vol. 38 (2) & 4977	2023	NA / ISSN: 1004-9037
74	Shinde Haribhau Ashok	Comparative Analysis Of Cyclostationary Feature Detection Techniques For Spectrum Sensing In Cognitive Radio Networks	Scandinavian Journal of Information Systems	2022 35(3) & 336	2023	NA / 0905-0167
75	Shirke Makarand Bhikaji	A ReviewAnalysis of Geometries, Welding Parameters, and Materials Used in Friction Stir Welding	International Journal of Intelligent Systems and Applications in Engineering	Vol. 12 & 8	2024	0 / 2447-6799
76	Rahane Kavita Uttam	Employing Multi-Class Classification Techniques to Identify Harmful URLs	International Journal of Advanced Research in Science, Communication and Technology	3 & 4	2023	2581-9429 / 2581-9429



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77	Bhonde Swati Babasaheb	Meticulous predictive modelling for classification of cancerous molecular profiles	Multimedia Tools & Applications	0 & 0	2023	0 / 0
78	Uyala Shrinivas Balraj,Uyala Shrimayee ,Jannu Sunny ,Gadakh Vijay S	Multi-objective optimization of machining parameters for EDM of magnesium alloy- ? ZE41 using ?MARCOS algorithm and different weighing methods: SD, CRITIC and ?MEREC	International Journal of Modern Manufacturing Technologies	16 & 17	2024	0 / 2067-3604
79	Gadakh Vijay Shivaji	Relative Tool Wear and Metal Removal studies in Electric Discharge Machining of AISI D2 die steel Using Cu-Cr-Zr, Cu-Cd and Cu-Be Electrode Materials	Journal of Materials Engineering and Performance	0 & 0	2023	0 / 1059-9495
80	Pathare Akshay Ashok	Agile Controlled Solar Monitoring System using IoT and Ubidots	International Journal of Scientific Research in Science and Technology	01 & 4	2024	2395-1990 / 2395-1990
81	Abhang Vikram Kishor	Rice Plant Disease Prediction using Transfer Learning	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	3 & 4	2023	2581-9429 / 2581-9429
82	Kadu Mahesh Bhausaheb	Compact dual-band antenna design for sub-6 GHz 5G application	Bulletin of Electrical Engineering and Informatics	13 & 9	2024	2302-9285 / ISSN: 2302-9285
83	Raktate Omesh Uttamrao	Productivity improvement in the Manufacturing Industry through the Implementation of LM Tools	Journal of Advances in Science and Technology	20 & 5	2023	- / 2230-9659
84	Harne Mahesh Shaligram	A Review on Unmanned Ground Vehicle for Surveillance and Security	The Ciência & Engenharia - Science & Engineering Journal	10 & 48	2023	19834071 / 0103944X
85	Harne Mahesh Shaligram	Improvement of Lithium Grease Tribological Performance with Graphite as an Additive	The Ciencia & Engenharia Science & Engineering Journal	10 & 36	2023	19834071 / 0103-944X



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86	HARNE MAHESH SHALIGRAM	Substantial Review of the Mechanical Conditions of Hybrid Metal MATRIX Composites AL 6063, Sic, & Gr.	European Chemical Bulletin	12 & 726	2023	2063-5346 / 2063-5346
87	Harne Mahesh Shaligram	IMPACT OF PROCESS PARAMETERS ON MECHANICAL PROPERTIES OF FDM 3D-PRINTED PARTS: A COMPREHENSIVE REVIEW	European Chemical Bulletin	2063-5346 & 708	2023	2063-5346 / 2063-5346
88	Harne Mahesh Shaligram	A COMPREHENSIVE REVIEW OF AN INVESTIGATION OF THE MECHANICAL PROPERTIES OF AL 6063, Sic, AND Gr HYBRID METAL MATRIX COMPOSITES.	GIS SCIENCE JOURNAL	10 & 967	2023	1869-9391 / 1869-9391
89	Harne Mahesh Shaligram	Multi Objective Design Optimization of Split Journal Bearing Using Genetic Algorithm	International Journal of Science, Mathematics and Technology Learning	31 & 59	2023	2327-7971 / 2327-7971
90	Kharde Sachin Dattatray	DIGITAL MARKETING STRATEGIES IN THE HOTEL INDUSTRY: A COMPREHENSIVE STUDY	Journal of the Oriental Institute	72 & 6	2023	NA / 0030-5324
91	Kharde Sachin Dattatray	REVOLUTIONIZING TALENT ACQUISITION: THE TRANSFORMATIVE INFLUENCE OF ARTIFICIAL INTELLIGENCE ON COMPANY RECRUITMENT PROCESSES	Rabindra Bharati University Journal of Economics	XXVIII & 6	2024	0975-802X / 0975-802X



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92	Kharde Sachin Dattatray	DIGITALIZATION IN BANKING: FINANCIAL PLANNING AND WEALTH MANAGEMENT - THE PART BANKS PLAY IN PROSPERITY	IPE Journal of Management	14 & 5	2024	- / 2249-9040
93	Kharde Sachin Dattatray	AN IN-DEPTH EXAMINATION OF ROLE OF DIGITALIZATION IN INVESTMENT REQUIREMENTS OF SCHOOL TEACHERS IN MAHARASHTRA	International Journal of Cultural Studies and Social Sciences	20 & 6	2024	- / 2347-4777
94	Kharde Sachin Dattatray	WOMEN EMPOWERMENT THROUGH TOURISM: A PATH OF DIGITAL TRANSFORMATION	Journal of the School of Language, Literature and Culture Studies	2 & 4	2024	0972-9682 / 0972-9682
95	Kharde Sachin Dattatray	ROLE OF FINANCIAL LITERACY IN WOMEN EMPOWERMENT IN SANGAMNER REGION OF AHMEDNAGAR DISTRICT, MAHARASHTRA	SOUTH INDIA JOURNAL OF SOCIAL SCIENCES	XXI & 4	2023	NA / 0972 – 8945
96	Kharde Sachin Dattatray	IMPACT OF COVID-19 ON HOTEL INDUSTRY	Humanities and Social Science Studies	12 & 5	2023	NA / 231982
97	Dagale Kishor Dhondiba	Substantial Review of the Mechanical Condition of Hybrid MMC	European Chemical Bullatian	5 & 15	2023	2063-5346 / 2063-5346
98	Dagale Kishor Dhondiba	A Comprehensive Review of An Investigation of the Mechanical properties of Al6063,Sic & Gr Hybrid Metal Matrix Composite	GIS Science Journal	10 & 14	2023	1869-9391 / 1869-9391
99	Dagale Kishor Dhondiba	Analysis & Material Optimization of Steering Kunckle using FEM	International Journal of Science, Mathematics and Technology Learning	32 & 12	2024	23277971, 2327915X / 23277971, 2327915X
100	Dagale Kishor Dhondiba	A Review of the Effects of Reinforcement on Aluminum Metal matrix Composite	International Journal of Advanced Research in science Engineering and Technology (IJARSCT)	3 & 11	2023	2350-0328 / 2350-0328



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101	Gaikwad Rahul Subhash	Image Sentiment Classification Using Deep Learning Approach	International Conference on Innovation in Multidisciplinary Areas in the Field of Commerce, Management, Science, Engineering, Medical, Education, Information Technology, Humanities, Law and Agriculture	9	2023	978-93-90975-20-4 / -
102	Gaikwad Rahul Subhash	Deep Convolutional Neural Network Models for Image Sentiment Classification	International Conference on Impact of Information Technology after Pandemic in the field of Commerce, Management, Science, Medical, Engineering, Education and Humanities, jointly Organized by Department of Computer Science	7	2023	978-81-960427-9-0 / -
103	Gaikwad Rahul Subhash	A Survey on Image Sentiment Categorization Using Deep Learning	International Conference on Recent Research for Sustainable Development in the field of Science, Social Science, Humanities, Commerce, Medical, Technology, IT, Management, Engineering, and Education	8	2023	978-81-19135-02-8 / -
104	Gaikwad Rahul Subhash	Image Sentiment Classification Using DCNN Model	International Conference On Impact on Education Sector after Pandemic in the field of Commerce, Management, Science, Medical, Engineering, IT and Humanities (Multidisciplinary)	8	2023	978-81-960427-0-7 / -
105	Gunjal Baisa Laxmanrao	Feature Extraction Techniques in Sentiment Analysis using Deep Learning: A Review	3rd International Conference on Pervasive Computing and Social Networking (ICPCSN)	5	2023	979-8-3503-2285-9 / 979-8-3503-2284-2
106	Gunjal Baisa Laxman	Forecasting Crime: A Survey on Machine Learning Approaches	ISTE Conference Proceeding: Vol. 47, No. 2, Special Issue May 2024	7	2024	Nil / Nil
107	Gunjal Baisa Laxmanrao	Comparative Study of Deep Learning Techniques used to predicting Drug Response	International conference Pharmaceutical Research Accelerating Discovering with Artificial Intelligence at Amrutvahini Institute of Pharmacy, Sangamner, 13-14 March 2024	5	2024	Nil / Nil



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108	U. Shrinivas Balraj?,J. Sunny? ,Gadakh? Vijay S	Analysis and Optimization of Material Removal Rate, Recast Layer Thickness and Radial ?Overcut in Electrical Discharge Machining of Magnesium Alloy-ZE41 with Different ?Electrodes	Proceedings of 29th Int. Conf. on Processing and Fabrication of Advanced Materials (PFAM-29)	1	2023	0 / 0
109	Khemnar Narayan Sahadu	Study of Aluminium-Steel Alloy Joining using Friction Stir Scribe Technique	Engineering Advances 2024: First International Conference	10	2024	0 / 0
110	Mate Nilesh Uttamrao	Structural Pounding Under Surface Blast Conditions by Considering and Ignoring the Effect of Soil Structure Interaction	13th Structural Engineering Convention (SEC-2023)	8	2023	-- / --
111	Mate Nilesh Uttamrao	Seismic Effect of Medium Rise Reinforced Concrete Building considering Vertical Irregularities under the Effect of Soil Structure Interaction	13th Structural Engineering Convention (SEC-2023)	8	2023	-- / --
112	Mate Nilesh Uttamrao	Effect of Spent Wash Water on the Properties of Concrete	13th Structural Engineering Convention (SEC-2023)	8	2023	-- / --

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
1	Mahesh Bhausahab Kadu	Engineering	Development of High Isolation MIMO Antenna Array f	Other	07/08/2024-31/08/2026	215000	Major
2	Dr Wakchaure Vishnu D	Engineering	SELF PROPELLED MULTIPURPOSE ONION HARVESTER	Other	17/05/2022-31/12/2022	100000	Minor
3	Deshmukh Kishor Bhausahab	Engineering	Investigation of Thermal Performance Enhancement o	Other	06/08/2024-06/08/2026	80000	Minor

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	27	67	10



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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	1	4

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	87	32	10	7	0	6	18	23	207	7	0	397
			0	0	0	0	0	0	0	1	0	0	1	2
		MALE	157	49	11	9	0	8	21	38	308	7	0	608
TOTAL			244	81	21	16	0	14	39	62	515	14	1	1007



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13.	Statistical Information about Teacher for Academic Year (2023-2024)						
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(B)	0	0	0	1	0	1
2	NT(C)	0	1	1	0	0	0
3	NT(D)	1	1	2	1	0	1
4	OBC	7	0	7	12	0	12
5	OPEN	8	3	11	43	5	48
6	SBC	1	0	1	0	0	0
7	SC	3	1	4	6	0	6
8	ST	0	0	0	1	0	1
	Total	20	6	26	64	5	69

14) Environment Conservation :

Tree Plantation Drive :

Number of Programmes Arranged	Number of Trees Planted	Total Number of Participants
1	200	100

River Conservation :

Number of Programmes Arranged	Total Number of Participants
1	145

Soil Conservation :

Number of Programmes Arranged	Total Number of Participants
2	156

Water Conservation :



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Number of Programmes Arranged	Total Number of Participants
1	258

15) Sports Competition :

Type	Total Number of Programs Arranged	Total Numbers of participants In each program	Total Number of Award Won
StateLevel	1	126	10
CollegeLevel	24	254	45

16) New Voter Registration Campaign :

Total Number of Programs Arranged	Total Number of Participants
2	400

17) Cultural Activities :

Oratorical Competition :

Number of Programmes Arranged	Total Number of Participants
2	1150

Debate Competition :

Number of Programmes Arranged	Total Number of Participants
1	50

Dance Competition :

Number of Programmes Arranged	Total Number of Participants
2	350

Essay Writing Competition :

Number of Programmes Arranged	Total Number of Participants
0	0

18) Blood Donation Campaign :



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Total Number of Campaigns Arranged	Total Number of Participants	Total Units of Blood Collected
1	419	419

19) Cleanliness Campaign :

Total Number of Campaigns Arranged	Total Number of Participants
1	200

20) Women Empowerment :

Total Number of Programs Arranged	Total Number of Participants
2	350

University Level :

Total Number of Seminars Arranged	Total Number of Participants
0	0

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
58	736	512

23) Student Exchange and Faculty Exchange Program :

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

24) Constitution Week Campaign :

Total Number of Programs Arranged	Total Number of Participants
1	125

25) Conduction of value Enhancement Courses :

Total Number of Programs Arranged	Total Number of Participants
0	0

26) Memorendum of Understanding :

National :

Number of MoUs
5

International :

Number of MoUs
1

27) Mental health Awareness Campaign :

Total Number of Programs Arranged	Total Number of Participants
3	546

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
63	28	7



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Date :

Place :

Signature
HOD/Principal/Director