

Kolhapur Institute of Technology's College of Engineering , Kolhapur (Empowered Autonomous)

No.of Research Papers Published in International / National Journals Per Faculty

Sr. No.	Name of Faculty	Research paper Title	Academic Year	I.F, Link and DOI
Department: AIML				
1	Dr. Uma Gurav	Enhancing Video Content Accessibility Through YouTube Transcript	2024-25	https://link.springer.com/chapter/10.1007/978-981-97-2550-2_10
2	Dr. Uma Gurav	Intelligent IoT System for Irrigation and Water Management	2024-25	https://link.springer.com/chapter/10.1007/978-981-97-7371-8_8
3	Dr. Uma Gurav	Deep Learning & Zapier Automation based Medicinal Leaf Talk: Unraveling Nature's Secrets	2024-25	https://ieeexplore.ieee.org/document/10939936
4	Dr. Uma Gurav	Environment friendly Plastic Garbage Classification Using Convolution Neural Network	2024-25	https://ieeexplore.ieee.org/abstract/document/10673625
5	Dr. Uma Gurav	Automatic number plate recognition: A deep dive into yolov8 and resnet-50 integration	2024-25	https://ieeexplore.ieee.org/document/10498318
6	Dr. Uma Gurav	Implementation of an nlp-driven chatbot and ml algorithms for career counseling	2024-25	https://ieeexplore.ieee.org/document/10544511
7	Dr. Uma Gurav	Managing Spam Images on Android: An Approach Utilizing Machine Learning and NLP (web of science)	2024-25	https://colab.ws/articles/10.1007%2F978-981-97-2550-2_59
8	Dr. Uma Gurav	Deep Learning Based Automated Question Generation for Examination System	2024-25	https://ieeexplore.ieee.org/abstract/document/10870863
9	Dr. Uma Gurav	Reddit Sentiment Analysis Using AWS Services	2024-25	https://link.springer.com/chapter/10.1007/978-3-031-83790-6_28
10	Dr. Uma Gurav	Deep Learning Based Automated Question Generation for Examination System	2024-25	
11	Dr. Uma Gurav	DERM-AI: Dermatological Disease Prediction Based on CNN Model	2024-25	https://ieeexplore.ieee.org/abstract/document/10870861
12	Dr. Uma Gurav	Camouflaged Human Detection: Comparative Analysis Using YoloV5s, YoloV5l, YoloV5m, YoloV5n, YoloV5x Model	2024-25	https://ieeexplore.ieee.org/abstract/document/10870666
13	Dr. Uma Gurav	Gesture Palette: A Virtual Painting Website	2024-25	https://ieeexplore.ieee.org/abstract/document/10829092
14	Dr. Uma Gurav	Dynamic Surveillance : Integration of VGG and ResNET	2024-25	https://ieeexplore.ieee.org/abstract/document/10750569
15	Dr. Uma Gurav	SE_Resnet14: Design and development of deep learning architecture for kidney microscopy images grading	2024-25	Procedia Computer Science jpournal
16	Dr. Uma Gurav	Alzheimer's disease detection from brain MRI: Comparative Study of ResnNet50, VGG19, DenseNet121 Multibranch CNN models	2024-25	Procedia Computer Science jpournal , 2025
17	Dr. Uma Gurav	'Encord YOLOV8 integration: Solid Waste Detection for Environmental Sustainability'	2024-25	Springernature 2025
18	Dr. Ashish Patil	Emerging 6G Services for the Smart Society: Towards Seamless Connectivity	2024-25	9th International Conference on Communication and Electronics Systems (ICCES 2024), IEEE, 16th to 18th December 2024
19	Dr. Pradeep Khot	Performance Aspects Based Systematic Review of Spectrum Management Techniques in 5G Networks", has been scheduled for presentation at the	2024-25	Advances in Communication Network and Systems (CoaCoNS 2025) , 26th March 2025
20	Komal V. Jadhav	Hybrid LSTM-Transformer Architecture for Abnormal Crowd Behavior Detection	2024-25	https://powertechjournal.com/index.php/journal/article/view/1731
21	Komal V. Jadhav	Detection of Chronic Venous Disease	2024-25	10.1109/GCWOT63882.2024.10805615
22	Komal V. Jadhav	Intelligent Violence Detection: An AI Driven Approach for Enhanced Surveillance System	2024-25	https://www.ijfmr.com/research-paper.php?id=44243
23	Mr. Shekhar D Jalane	Survey of Secure Data Access Control Models in Cloud Computing for EHR	2024-25	International Research Journal on Advanced Engineering Hub 2024

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24	Dr. Uma Gurav	Alzheimer's disease detection from brain MRI: Comparative Study of ResNet50, VGG19, DenseNet121 Multibranch CNN models	2024-25	https://www.sciencedirect.com/science/article/pii/S1877050925012050
25	Dr. Uma Gurav	SE_Resnet14: Design and development of deep learning architecture for kidney microscopy images grading	2024-25	https://www.sciencedirect.com/science/article/pii/S1877050925012062
Department: Bio Technology				
1	Dr. Saeed Thakur	Optimization Studies on Performance Enhancement of Spray Cooling-Machine Learning Approach	2024-25	https://doi.org/10.1016/j.csite.2024.105422
2	Dr. Saeed Thakur	Oral oncology quality risk management: Tools and strategies to reduce risk	2024-25	https://doi.org/10.1016/j.oor.2024.100671
3	Dr. Saeed Thakur	Current advances in immunotherapy for cancer	2024-25	https://doi.org/10.1016/j.oor.2024.100652
4	Dr. Pallavi Patil	Exploring Carbon Nanomaterials in Tissue Engineering: Biomaterials for Regeneration and Stem Cell Integration	2024-25	https://doi.org/10.1080/25740881.2025.2467264
5	Dr. Rajesh Jorgewad	Advancing Type 2 Diabetes Mellitus Treatment with Computer Aided Drug Design	2024-25	-
6	Sneha Kagale, Dr. Pallavi Patil	Microplastics in Food Products (Book Chapter)	2024-25	Taylor and Francis, CRC Press
Department: Civil Engineering				
1	Dr. Aditya K. Khebudkar	Estimation of Nitrate Concentration in Groundwater Source using Nitrate Balance Method in Male Village of Western Maharashtra	2024-25	https://link.springer.com/chapter/10.1007/978-981-97-3823-6_24
2	Dr. Aditya K. Khebudkar	Acid Curing Effect on Compressive Strength of M30 Concrete with Blast Furnace Slag as a Partial Replacement of Coarse Aggregate	2024-25	https://jet-m.com/wp-content/uploads/64-JETM8895.pdf
3	Dr. Rohan Nalawade	COMPARATIVE ANALYSIS OF GABION WALLS WITH DIFFERENT STEP PATTERNS	2024-25	International Journal of Masonry Research and Innovation
4	Dr. Akash Anand	Modal Split and Cost-Sensitivity Analysis for Various Travel Modes Using Calibrated Parameters in NL Modeling	2024-25	https://www.sciencedirect.com/science/article/pii/S2352146524005374
5	Mr. Amol B. Sawant	Impact on M40 Grade Concrete with Partial Replacement of Coarse Aggregate by Blast Furnace Slag	2024-25	10.1018/IJCEE.2025.13.1.649
6	Mr. Amol B. Sawant	Utilization of Industry (Green Age Agro Engineering) Waste in Concrete	2024-25	Scopus
7	Mr. Amol B. Sawant	Experimental Investigation on Utilization of Blast Furnace Slag in M30 Grade Concrete as a Partial Replacement of Coarse Aggregate	2024-25	10.1018/IJCEE.2025.13.2.658
8	Mr. Amol B. Sawant	Effect of Acid (Hydrochloric and Nitric) on Compressive Strength of M40 Concrete with Blast Furnace Slag as a Partial Replacement of Coarse Aggregates	2024-25	10.1018/IJCEE.2025.13.4.739
9	Mr. Amol B. Sawant	Experimental Study on Effect of Utilization of Blast Furnace Slag in M20 and M30 Grade Concrete as a Partial Replacement of Coarse Aggregates	2024-25	18.15001/JOT.2025/V13I3.25.1326
10	Mr. Amol B. Sawant	Acid Curing Effect on Compressive Strength of M30 Concrete with Blast Furnace Slag as a Partial Replacement of Coarse Aggregate	2024-25	20.14118/v75.2025.102414
11	Mr. Amol B. Sawant	Experimental Study on Effect of Blast Furnace Slag in Concrete as a Partial Replacement of Coarse Aggregate	2024-25	12.163022.Gj.2025.v18.03.013
12	Mr. Amol B. Sawant	Effect on Compressive Strength of M30 and M40 Concrete with Blast Furnace Slag as a Partial Replacement of Coarse Aggregate	2024-25	20.14118/v75.2025.102408
13	Mr. Guruprasad A. Chavan	Mapping of strength properties of Black Cotton Soils in Kolhapur city and their improvement	2024-25	(Abstract Accepted- assigned ID # DFII25116) DFI-India 2025 Conference- https://dfi-events.org/india25/cfa.html

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14	Dr. Vidula Swami (Retd.)	Rainfall Analysis and Deriving Design Storm for Hydrological Modelling of Konya Dam Catchment Area in Maharashtra State of India	2024-25	https://www.sciencedirect.com/science/article/abs/pii/S0301479724010685
15	Mr. Suraj V. Shah (ex-KIT facu	Noise Reduction Using Argo Waste in Textile Industry	2024-25	https://link.springer.com/chapter/10.1007/978-981-97-9777-6_4
Department : Electronic and Telecommunication Engineering				
1	Dr.Y.M.Patil & Dr. A. L. Renke	"Aquashade Smart Window" ,International Journal of Research Publication and Reviews,	2024-25	https://ijrpr.com/uploads/V5ISSUE9/IJRPR33237.pdf
2	Dr. M.S. Chavan	"Severity level prediction of acne using hybrid MOA-FCM segmentation algorithm with ANN classifier"	2024-25	https://doi.org/10.1007/s13748-024-00334-z
3	Dr. M.S. Chavan	"Detection of Chronic Venous Disease",Wireless and optical technology (GCWOT)2020 global conference IEEE Xplore	2024-25	https://ieeexplore.ieee.org/abstract/document/10805615
4	Dr. A.L. Renke & Dr. M.S. Cha	"Global Standards and Measurement Methods for RF Electromagnetic Field Exposure",	2024-25	https://ieeexplore.ieee.org/document/10805683
5	Dr. Mrs. S. R. Chougule	"Advanced Gas Leakage Detection System	2024-25	https://ijrpr.com/uploads/V6ISSUE2/IJRPR38510.pdf
6	Dr. Mrs. S. R. Chougule	"Smart Car Security System Using Face Recognition",	2024-25	https://iseepublisher.com/wp-content/uploads/36-JSEE2929.pdf
7	Dr. Mrs. S. R. Chougule	"Gender Classification Based on Hybrid Deep Learning Algorithm",	2024-25	https://journal.esrgroups.org/ies/article/view/7903/5392
8	Dr. Mrs. S. R. Chougule	"Analyzing Modifications in Architecture of Classification to Regression Neural Network for Super-Resolution Application"	2024-25	https://doi.org/10.1007/978-981-97-8602-2_2
9	Dr. Mrs. S. R. Chougule	"Solar Based Wireless Charger",International Journal of Research Publication and Reviews,	2024-25	https://ijrpr.com/uploads/V6ISSUE2/IJRPR38773.pdf
10	Dr. Mrs. S. R. Chougule	"Analysis of Ulcerative Colitis Detection From Endoscopic Video"	2024-25	link will be in next month
11	Dr. Mrs. S. R. Chougule	"Identification and Categorization of Apple Fruit Disorders",	2024-25	link will be in next month
12	Dr. Mrs. S. R. Chougule	"Advancing Skin Cancer Diagnosis: A Review of Deep Learning Approaches, Datasets, and Challenges",	2024-25	link will be in next month
13	Dr. Mrs. S. R. Chougule	"Review on steganography techniques used for medical imaging "	2024-25	link will be in next month
14	Dr. Mrs. S. R. Chougule	"Wireless health monitoring system using zigbee and labview	2024-25	https://www.jetir.org/view?paper=JETIR2504D25
15	Mr. V. V. Patil & Dr.Y.M.Patil	"BODY STATS",International Journal of Research Publication and Reviews	2024-25	https://ijrpr.com/uploads/V6ISSUE4/IJRPR43515.pdf
16	Dr. P. B. Nikam	"Performance Enhancement Of Circularly Polarized Microstrip Antenna Using Single-Layer Foam Substrate For 5.8 Ghz Ism Band Applications",Telecommunications and Radio Engineering 84(2):43–65 (2025)	2024-25	https://doi.org/10.1615/TelecomRadEng.2024052969
17	Dr. A. L. Renke	"Bidirectional Visitor counter",International Journal of Research Publication and Reviews (IJRPR)Vol.6, Issue 5 ISSN 2582-7421	2024-25	https://ijrpr.com/uploads/V6ISSUE5/IJRPR44697.pdf
18	Dr. Mrs. S. R. Chougule	"Personal Authentication using RFID and Biometric"	2024-25	https://www.jetir.org/papers/JETIR2505175.pdf
19	Dr. Mrs. S. R. Chougule	"FastColitisDetector-XAI: An Efficient AI Model Utilizing Sparse Autoencoder with Explainable AI for Ulcerative Colitis Diagnosis",	2024-25	https://www.sciencedirect.com/science/article/pii/S221501612500202X?via%3Dihub
20	Dr. Amar Renke	"Water Level Indicator",International Journal of Research Publication and Reviews, Vol 6, Issue 5, pp 3089-3092 May 2025	2024-25	https://ijrpr.com/uploads/V6ISSUE5/IJRPR44968.pdf
21	Dr. A.L. Renke	"Rolling LED Display",International Journal of Research Publication and Reviews, Vol (6), Issue (5), May (2025) Page – 2904-2907	2024-25	https://ijrpr.com/uploads/V6ISSUE5/IJRPR44938.pdf

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22	Dr. A.L. Renke	"Battery Management System",International Journal of Research Publication and Reviews, Vol (6), Issue (5), May (2025), Page – 3883-3887	2024-25	https://ijrpr.com/uploads/V6ISSUE5/IJRPR45091.pdf
23	Dr. A.L. Renke	"Mobile Signal Jammer",International Journal of Research Publication and Reviews, Vol (6), Issue (5), May (2025), Page – 3447-3450	2024-25	https://ijrpr.com/uploads/V6ISSUE5/IJRPR45020.pdf
24	Dr. A.L. Renke	"Design and Implementation of an IoT-Based Air Quality Monitoring System using ESP32",International Journal of Advanced Research in Science, Communication and Technology,ISSN: 2581-9429,Vol-5, Issue 1, May 2025	2024-25	https://ijarsct.co.in/Paper26145.pdf
25	Dr. A.L. Renke	"Bidirectional Visitor counter",International Journal of Research Publication and Reviews (IJRPR)Vol.6, Issue 5 ISSN 2582-7421	2024-25	https://ijrpr.com/uploads/V6ISSUE5/IJRPR44697.pdf
26	Dr. P. B. Nikam	"Emerging 6G Services for the Smart Society: Towards Seamless Connectivity"	2024-25	file:///C:/Users/User/Downloads/Emerging_6G_Services_for_the_Smart_Society_Towards_Seamless_Connectivity.pdf
27	Dr. P. B. Nikam	"Sub-Ultra Wideband ISM Range Patch Antenna Using Foam Substrate: a High-Gain Corner-Cut Design Approach",	2024-25	file:///C:/Users/User/Downloads/MicElec2460087Hake%20(1).pdf
Department : Basic Science and Humanities				
1	S.U Majgaonkar	Impact of modernity on Tamasha folk art a case study of Kolhapur city.	2024-25	
2	Dr. A. H. Mane	A Short Review- Use of Cyclodextrin for Insect Repellent Textiles	2024-25	
3	Dr. Sandeep Desai	Studies on Structural, Morphological and Optoelectrical Properties of Spray-Deposited Iron-Doped Cadmium Oxide Thin Films	2024-25	
4	Dr. Ganesh S. Kamble	Enriching the antimicrobial efficacy of iron oxide with bioderived mesoporous carbon	2024-25	https://www.sciencedirect.com/journal/inorganic-chemistry-communications/vol/161/suppl/C
5	Dr. Ganesh S. Kamble	Degradation of organic pollutant by using of BiVO4-NiFe2O4 heterostructure photocatalyst under visible light irradiation: Assessment of detoxicity study using Cirrhinus mrigala	2024-25	
6	Dr. Ganesh S. Kamble	Optimizing Photovoltaic Efficiency Through Di-Indium Tri-Selenide Thin Film Solar Cells	2024-25	https://www.ingentaconnect.com/content/asp/jno;jsessionid=2vn2qwt561egi.x-ic-live-03
7	Dr. Ganesh S. Kamble	Polyimides in next-generation energy devices: Applications in Li-ion batteries to solar cells	2024-25	https://www.sciencedirect.com/journal/journal-of-power-sources
Department: Computer Science and Engineering				
1	Mr. Uday Dhanaji Patil	A systematic review of Data augmentation techniques in Natural Language Processing for Sentiment analysis using Machine learning techniques	2024-25	DOI: 10.1109/ICSCSA64454.2024.00094
2	Deepali Kishor Jadhav	Detection of Brain Tumor and classification using Stack entropy CNN and Predicting Reappearance using Score based SVM	2024-25	DOI:10.53555/AJBR.v27i4S.7347
3	Deepali Kishor Jadhav	UPI Fraud Detection Using Machine Learning	2024-25	DOI: http://doi.one/10.1729/Journal.44936
4	Deepali Kishor Jadhav	Phishing Website Detection using Machine Learning	2024-25	Accepted for ICIET 2025
5	Deepali Kishor Jadhav	Advances in Autism Detection Using Deep Learning: Methods, Challenges, and Opportunities	2024-25	International Conference on Emerging Innovations and Trends in Global Supply Chain, SSPU, Pune
6	Mr.Chaitanya B. Pednekar	GPT-3- and DALL-E-Powered Applications: A Complete Survey	2024-25	https://doi.org/10.1002/9781394214167.ch19

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7	Mr.Chaitanya B. Pednekar	Multilingual Text Summarization Using NLP	2024-25	International Journal of Advanced Research in Science, Communication and Technology https://DOI: 10.48175/IJARSCT-25688
8	Ms. Sonal Sanjay Ayare	Enhancing The Route Optimization Using Hybrid Optimization Algorithm For The Internet Of Vehicle's	2024-25	DOI: https://doi.org/10.53555/kuey.v30i5.6194
9	Mr Ajay Kapase	Blending Phsychological models with Modern HCI Techniques to develope Artificial Emotional Intelligent Affective system	2024-25	DOI: 10.1007/978-981-97-3245-6_16
10	Mr Arun Desai	Un leashing the potential of Ontology in Skill Extraction	2024-25	DOI: 10.1109/ICAET63349.2025.10932270
11	Ranjeeta Pandhare	Cyber security Enhancement using Advanced ML Methods-A Review	2024-25	Journal of Northern University,Vol27 Issue 01, 2024 ISSN: 1005-3026
12	Dr Lingaraj Hadimani	Identification of soluble solid content and total acid content using real-time visual inspection system	2024-25	DOI: 10.11591/ijeecs.v35.i1.pp238-246
13	Dr Lingaraj Hadimani	Video inpainting using hybrid DMN EfficientNet with LGSR	2024-25	
14	Mr Sameer Patil	Advancements in Video content analysis using Machine learning for Educational applications	2024-25	OI: 10.1109/IDICAIEI61867.2024.10842838
15	Dr Abhinandan Shirahatti	Leveraging Enhanced PSO and Proving Random Forest's Dominance for Prediction of Lung Cancer Severity	2024-25	DOI: https://doi.org/10.52783/jisem.v10i3.3663
16	Mr Mahesh Salunkhe	Multi-Tenant yet Customizable Cloud Native SaaS Web Application leveraging AIML: Architecture & Strategies	2024-25	DOI: 10.35629/5252-0611118127
17	Mr Ajay Kapase	"AffectAlchem": An Affective Dataset Based on Plutchik's Psychological Model for Text-Based Emotion Recognition and its Analysis Using ML Techniques"	2024-25	DOI:10.1109/ICCUBE61740.2024.10775193
18	Dr Mamata Kalas	"Deep Learning-Based Intelligent Agent for Women's Safety: A Predictive Threat Detection and Response System"	2024-25	Accepted for ICIET 2025
19	Mrs. Suchita S. Patil	"Machine learning models in precision agriculture"	2024-25	Indian Journal of Technical education Issue 01, 2024 ISSN : 0971-3034
20	Mrs. Suchita S. Patil	"Pattern Recognition and detection of Lunge Disease using Machine learning Classification Algorithm"	2024-25	Indian Journal of Technical education Issue 01, 2024 ISSN : 0971-3034
21	Mrs. Suchita S. Patil	"Machine Learning Framework and Tools in Precision Farming"	2024-25	Accepted in IJECS (Scopus indexed) 2025
22	Mr. Ajit B. Patil	A Comprehensive Study on Disease Diagnosis Using Ayurvedic Dosha Analysis	2024-25	https://doi.org/10.4018/979-8-3693-3629-8.ch010
23	Mr. Ajit B. Patil	Book Genre Prediction Using NLP	2024-25	https://doi.org/10.1002/9781394214167.ch4
Department: Computer Science and Business Systems				
1	Dr.M.R.Hudagi	Identification of soluble solid content and total acid content using real-time visual inspection system	2024-25	https://ijeecs.iaescore.com/index.php/IJECS/article/view/36069
2	Mr. J. S. Pujari	Presented Research Paper entitled "Sentiment Analysis Based Product Review System for Enhanced Recommendations" in the	2024-25	2025 IEEE Technically Co-Sponsored International Conference on AIDE 2025. The paper is accepted for publishing in IEEE Xplorer.
3	Mr. J. S. Pujari	Presented paper entitled"Optimizing Crop Production for Commercial Markets: A Machine Learning Approach" in	2024-25	AMATHE 2025 IEEE conference.
4	Mr. J. S. Pujari	Preseneted paper entitled "Comparative Study of Various Machine Learning Techniques for Diabetes Prediction"in the 2025 IEEE Technically Co-Sponsored International Conference on	2024-25	AIDE 2025. The paper is accepted for publishing in IEEE Xplorer.
5	Mr. J. S. Pujari	Presented paper entitled"Comprehensive Study of Black chain Technology Applications for Waste Management in Smart Cities" in	2024-25	ISTE Sponsored CIAST 2025 conference Shivaji University

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6	Mr. J. S. Pujari	Comprehensive Study on Binary Classification for CNN-LNet Based Urban Change Detection Using Satellite Images	2024-25	https://www.researchgate.net/publication/388643711_Comprehensive_Study_on_Binary_Classification_for_CNN-LNet_Based_Urban_Change_Detection_Using_Satellite_Images
7	Mr. J. S. Pujari	Sentiment analysis of youtube comments using bidirectional encoder representations from transformers neural network model	2024-25	
8	Ms.P.R.Gadyanavar	"Identification and Fault Diagnosis of Rolling Element Bearings Using Dimension Theory and Machine Learning Techniques"	2024-25	https://asmedigitalcollection.asme.org/tribology/article-abstract/146/9/094301/1199378/Identification-and-Fault-Diagnosis-of-Rolling?redirectedFrom=fulltext
9	Ms.P.R.Gadyanavar	Experimental Investigation of Gear and Bearing by Fast Fourier Transform and Artificial Neural Network for Fault Detection	2024-25	
10	Ms.P.R.Gadyanavar	Exploring AI function in healthcare presents uses and prospects	2024-25	
11	Ms.P.R.Gadyanavar	Presented paper entitled "Comprehensive Study of Blockchain Technology Applications for Waste Management in Smart Cities" in ISTE Sponsored CIST 2025 conference Shivaji University	2024-25	
12	Ms.P.R.Gadyanavar	Sentiment analysis of youtube comments using bidirectional encoder representations from transformers neural network model	2024-25	
13	Ms.P.R.Gadyanavar	Automated Detection and management system for plant nutrient deficiencies using deep learning and multispectral imaging (Patents)	2024-25	2.02421E+11
14	Mrs.V.S.Katti	Sentiment analysis of youtube comments using bidirectional encoder representations from transformers neural network model	2024-25	
15	Mrs.V.S.Katti	Exploring AI function in healthcare presents uses and prospects	2024-25	
Department: Mechanical Engineering				
1	Dr. V.S.. Mane	Assessment of ergonomic risk of work related musculoskeletal disorders among dentist in Kolhapur region. Work (Reading, Mass.), 10.3233/WOR-240184. Advance online publication	2024-25	https://doi.org/10.3233/WOR-240184
2	P.S. Gosavi	COMPARATIVE STUDY OF SIX SIGMA IMPLEMENTATION IN DIFFERENT INDUSTRIES	2024-25	
3	Dr. S. N. Addepalli	Elevated temperature tribological performance of non-equiatomic CoCrNiTiWx high entropy alloy coatings developed by mechanical alloying and high-velocity oxy-fuel spray	2024-25	https://doi.org/10.1016/j.surfcoat.2023.130267
4	Dr. M. I . Shaikh	Numerical analysis of polyethylene-based anion-enhanced phase change material in the cylindrical storage system	2024-25	https://doi.org/10.1080/01430750.2024.2349882
5	Dr. S. N. Adepalli	Microstructure, Mechanical & dry Sliding wear performance of equimolar high entropy alloy coatings	2024-25	Journal of thermal spray coating
6	Dr. M.S. Bakshi	Cellulose paper based printed sensor for efficient cure process control in FRC	2024-25	Journal of Cellulose
7	Dr. G. R. Naik	A Comprehensive Literature Review on Leveraging Six Sigma Tools for Quality Enhancement'	2024-25	Journal of Emerging Technologies and Innovative Research (JETIR)
8	Dr. G. R. Naik	Leveraging Quantum Annealing for Multi-Objective Financial Decision-Making'	2024-25	AN INTERNATIONAL MULTIDISCIPLINARY HALF YEARLY RESEARCH JOURNAL
9	Dr. R. D. Ghulanwar	Material selection using machine learning approach	2024-25	Journal of Propulsion Technology
Department: Electrical Engineering				
1	Mr. Prasad Kulkarni	Hybrid Battery Management System using IoT	2024-25	https://doi.org/10.57647/i.mjee.2025.10896

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2	Mrs. Priyanka N Mane	Optimizing EV fast charging infrastructure: integrating high-gain interleaved converter with advanced MPPT	2024-25	https://doi.org/10.1080/23080477.2024.2423965
3	Mr. Santosh Madiwal	Industrial Machine Troubleshooting Diagnosis Annunciator Using IoT	2024-25	https://drive.google.com/file/d/1utLRKTPcDV7xBXqt1ABp5MOSdIpApJnG/view?usp=drive_link
4	Dr. Mir Khadim Aalam	Performance comparison of a DFT-based Causal and Non-Causal PMU	2024-25	https://ieeexplore.ieee.org/document/10732843#:~:text=10.1109/ICMICA61068.2024.10732843
5	Mrs. Sushmita A Sharma	A Review on IoT-Enabled Smart Homes Using AI.	2024-25	https://ieeexplore.ieee.org/document/10723321#:~:text=10.1109/ICC CNT61001.2024.10723321
6	Mrs. Sushmita A Sharma	Design Of Solar Panel Monitoring system using ESP 32 & IoT	2024-25	https://ieeexplore.ieee.org/document/10675117#:~:text=10.1109/ICSPCRE62303.2024.10675117
7	Mr. Prakash L. Chavan	Artificial Intelligence Driven Grid Integration of Hybrid Renewable Energy Sources	2024-25	https://ieeexplore.ieee.org/document/10838013#:~:text=10.1109/ASIANCON62057.2024.10838013
8	Mr. Prakash L. Chavan	Electric Vehicle Acceleration Performance through Fuzzy Logic Control	2024-25	https://ieeexplore.ieee.org/document/10775220#:~:text=10.1109/ICONAT61936.2024.10775220
9	Mrs. Priyanka N Mane	Voltage Oriented Controller based Vienna Rectifier with Solar Powered Electric Vehicle Charging Station	2024-25	https://ieeexplore.ieee.org/document/10775232#:~:text=10.1109/ICONAT61936.2024.10775232
10	Mrs. Priyanka N Mane	Modelling of Solar PV Panel and Designing Mppt in Matlab/Simulink for EV Charging	2024-25	https://ieeexplore.ieee.org/document/10774641#:~:text=10.1109/ICONAT61936.2024.10774641
11	Mr. Prasad Kulkarni	Analyzing Micrositing of wind turbines and case study of a farm	2024-25	https://drive.google.com/file/d/1zRb5GDO7-IKjxW6Jvf8dG8NZOxTz0xjK/view?usp=drive_link