



Estd 2009

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President
Hon. Shri. Vijaysinh A. Mane

Ref. No. :

Date :

Research Papers Published in Journals (A.Y. 2024-25)

Sr. No	Title of paper	Name of the author/s	Department	Name of journal	ISSN Number
1	The Review – Construction Management Techniques for Bridge Construction	Dr. J. M. Shinde	Civil Engineering	Positif Journal	0048-4911
2	Particle Packing Model of Concrete: A Review	Dr. J. M. Shinde	Civil Engineering	Positif Journal	0048-4911
3	To Study Experimental Investigation and Performance of Manufactured Sand in Concrete at Elevated Temperature	Dr. J. M. Shinde	Civil Engineering	Positif Journal	0048-4911
4	Enhancing Modular Construction Efficiency: A Review of Scheduling, Resource Management and the Role of Primavera Software	Mr. J. A. Patil	Civil Engineering	Journal of Xidian University	1001-2400
5	Review Paper on Scheduling to Solutions: Use of MSP	Mr. J. A. Patil	Civil Engineering	Journal of Xidian University	1001-2400
6	Risk Assessment of Landslide Area, Mapping by GIS & Remote Sensing and its Mitigation Methods for Patan Taluka (Western ghat in Maharashtra)	Mr. J. A. Patil	Civil Engineering	Journal of Xidian University	1001-2400

7	A Review Paper on Study of Castellated Beam	Mr. J A. Patil	Civil Engineering	Journal of Xidian University	1001-2400
8	A Review Paper on Study of Castellated Beam	Ms. B.R. Mali	Civil Engineering	Journal of Xidian University	1001-2400
9	Innovative application of foam concrete: A Revive of Current Research and Feature Direction in Civil Engineering	Mr. D. G. Patil	Civil Engineering	Journal of Emerging Technologies and Innovative Research (JETIR	2349-5162
10	Comprehensive Assessment and Integrated Water Treatment Strategy for the Restoration of the Panchganga River, Maharashtra	Mr. H. M. Bhosale	Civil Engineering	Journal of Emerging Technologies and Innovative Research (JETIR	2349-5162
11	High Strength Binary and Ternary Blended Concrete Using Engineered Cementitious Composite (ECC)	Ms. B. R. Mali	Civil Engineering	Journal of Emerging Technologies and Innovative Research (JETIR	2349-5162
12	The Real-Time Smart Irrigation System for Precision Farming	Mr. G. N. Chavan Patil	Civil Engineering	Positif Journal	0048-4911
13	Review of Smart groundwater monitoring and controlling system based on IoT (Peth Vadgaon), Kolhapur, Maharashtra	Mr. Y. S. Chokakkar	Civil Engineering	International Journal of Research and Analytical Reviews (IJRAR)	2348-1269
14	Optimizing Concrete Compressive Strength Prediction: A Comparative Study of Machine Learning Algorithms	Mr. S. S. Redekar	Computer Science and Engineering	Publisher: IEEE International Conference on Electrical Electronics and Computing Technologies (ICEECT)	DOI: 10.1109/ICEECT61758.2024.10738970
15	A Diabetic Retinopathy Detection Through Quantum Transfer Learning	Ms. V. D. Desai	Computer Science and Engineering	Indian Institute of Industrial Engineering	0970-2555
16	Solar Panel Dust Detection Classification And Efficiency Analysis	Ms. V. D. Desai	Computer Science and Engineering	International Journal of Innovative	2349-6002

	Using Computer Vision And Deep Learning			Research in Technology	
17	Real-Time Anomaly Detection in Air Compressors Using Machine Learning	Dr. Bhagyashala A. Jadhawar	Computer Science and Engineering	International Journal of Innovative Research in Technology (IJIRT- 168680)	2349-6002
18	Precision Tomato Disease Detection with a Hybrid Deep Learning Model Based on VGG-16 and ResNet-50	Dr. Bhagyashala A. Jadhawar	Computer Science and Engineering	International Journal of Innovative Research in Technology (IJIRT- 168680)	2349-6002
19	An Intelligent Optimized Compression Framework for Columnar Database	Dr. Bhagyashala A. Jadhawar	Computer Science and Engineering	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	0218-4885
20	Hypergraph neural network approach with imbalanced sampling to predict graduation outcomes for diverse student population	Mrs. S. R . Patil	Computer Science and Engineering	International Journal of Innovative Research in Technology	2349-6002
21	Reinforcement Learning for Unsupervised Video Summarization: A Deep Summarization Network Approach"	Mr.P.S.Powar	Computer Science and Engineering	Industrial Engineering Journal	0970-2555
22	Vehicles Pollution control using ML and IoT	Mr.P.S.Powar	Computer Science and Engineering	Industrial Engineering Journal	0970-2555
23	Enhancement of PV array performance through reconfiguration with P&O MPPT for shading resilience: International Journal of Ambient Energy	Dr. V. K. Thombare	Electrical Engineering	International Journal of Ambient Energy	https://doi.org/10.1080/01430750.2024.2404535
24	Solar Panel Dust Detection Classification and Efficiency Analysis	Dr. V. K. Thombare	Electrical Engineering	International Journal of Innovative	2349-6002

	Using Computer Vision and Deep Learning			Research in Technology	
25	A Comparative Analysis of Plant Canopy Detection Performance in a Variable-Rate Spraying System Using Deep Learning Models	Dr. S.S. Patil	Electronics & Telecommunication Engineering	Journal of The Institution of Engineers (India): Series A	https://doi.org/10.1007/s40030-024-00829-x
26	Crop Detection and Weed Removal Agriculture Robot	Dr. S.S. Patil	Electronics & Telecommunication Engineering	Intelligent Systems and Advanced Applications (ICISAA), International Conference on	10.1109/ICISAA62385.2024.10828811
27	Deep Learning Approaches for Orchard Mapping	Dr. S.S. Patil	Electronics & Telecommunication Engineering	Journal of Xidian University	1001-2400
28	Automatic power factor correction using Arduino	Mrs. S. A. Kanade	Electronics & Telecommunication Engineering	Tanz Research Journal	1869-7720
29	Hybrid CNN-RF Algorithm for Facial Expression Recognition Using Different Datasets	Mr. S. A. Bhosale	Electronics & Telecommunication Engineering	International Journal of Intelligent Systems and Applications In Engineering	3520–3528
30	An Ensemble Based Machine Learning Classification for Automated Glaucoma Detection	Dr. D. J. Pawar	Electronics & Telecommunication Engineering	Advances in Distributed Computing and Artificial Intelligence Journal	2255-2863
31	Deep Learning Approaches for Orchard Mapping	Dr. D. J. Pawar	Electronics & Telecommunication Engineering	Journal of Xidian University	1001-2400
32	Effects of Combined Coconut Shell and Pistachio Shell as Filler and Frictional Additive on the Properties of	Dr. H.V Shete	Mechanical Engineering	Institute of Fundamental Technological Research Polish Academy of	Doi: 10.24423/EngTrans.3203.2024

	Particulate Type of Green Friction Composites			Sciences (IPPT PAN)	
33	Effect of Calcination Time on Modulating the Properties of Battery Type NiMn ₂ O ₄ Intended for Supercapacitor Applications	Dr. N. B. Wadkar	Applied Science	Colloids and Surfaces A: Physicochemical and Engineering Aspects is an international journal	https://doi.org/10.1016/j.colsurfa.2024.135088

Number of Book Chapters in AY 2024-25

Sr. No.	Title of the Book	Name of the Author	Department	Name of the Conference/ Proceedings of the Conference
1	Variable Rate Spraying System for Orchard Tre	Dr. S.S. Patil	Electronics & Telecommunication Engineering	Lambert Academic Publishing