



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi  
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)  
NBA Accredited - B.Tech. (CIVIL, CSE, CST, ECE, EEE, MECH), MBA & MCA



## Department of Computer Science & Engineering

### AY: 2024 – 25 Faculty Journal Publication

S. No.	Name of Faculty	Designation	Title	Journal name	Month of Publication	Volume	Issue	DOI	ISSN	Indexed
1	Prof. Goutam Chakraborty	Professor	A Formal Approach to Optimally Configure a Fully Connected Multilayer Hybrid Neural Network. Mathematics	Mathematics	31-Dec-24	13	1	<a href="https://doi.org/10.3390/math13010129">https://doi.org/10.3390/math13010129</a>		SCI
2	Prof. Goutam Chakraborty	Professor	Grading of HCC Biopsy Images using Nucleus and Texture Features	IEEE Journal Biomed Health Inform	04-Jan-25	1		<a href="https://doi.org/10.1109/JBHI.2022.3215226">10.1109/JBHI.2022.3215226</a>		SCI
3	Dr. G. Arun Kumar	Assoc. Professor	O2O-PLB: A One-to-One-Based Optimizer With Priority and Load Balancing Mechanism for Resource Allocation in Fog-Cloud Environments	IEEE Access	29.01.2025	13		DOI : 10.1109/ACCESS.2025.3536210	2169-3536	IEEE -Access
4	Dr. G. Arun Kumar	Assoc. Professor	Vocalnet: Revolutionizing Voice-Enabled Email For The Visually Impaired With Machine Learning And Iot Synergy	Frontiers in Health Informatics	10.09.2024	13	3	<a href="https://doi.org/10.52783/fhi.v13i3.697">https://doi.org/10.52783/fhi.v13i3.697</a>	2676-7104	Scopus
5	Dr. G. Arun Kumar	Assoc. Professor	Weighted Majority Voting Ensemble for MRI-Based Brain Tumor Classification Using Capsule Networks and XGBoost	Applied Magnetic Resonance	29.11.2024	56	3	<a href="https://doi.org/10.1007/s00723-024-01731-2">https://doi.org/10.1007/s00723-024-01731-2</a>	0937-9347	SCI
6	Dr. K. Sudhakar	Sr. Asst. Professor	Enhancing radiographic image interpretation: WARES-PRS model for knee bone tumour detection	Network: Computation in Neural Systems	26.06.2024	35	4	<a href="https://doi.org/10.1080/0954898X.2024.2357660">https://doi.org/10.1080/0954898X.2024.2357660</a> (SCI)		SCI
7	Dr. G. Sreenivasulu	Assistant professor	Efficient and Accurate Traffic Sign Detection Leveraging YOLOv8: A Cutting-Edge Deep Learning Framework	Journal of Machine and Computing	10.9.2024	5	1	<a href="https://doi.org/10.53759/7669/jmc202505001">https://doi.org/10.53759/7669/jmc202505001</a>	ISSN: 2788-7669	Scopus

8	Dr. M. Rajasekaran	Assistant professor	Novel Routing Protocol To Overcome Packet Delay In Mobile Adhoc Network	Journal of Theoretical and Applied Information Technology	01.05.2024	2	9	<a href="https://www.jatit.org/volumes/Vol102No9/9V-o102No9.pdf">https://www.jatit.org/volumes/Vol102No9/9V-o102No9.pdf</a>	E-ISSN: 1817-3195, ISSN: 1992-8645	Scopus
9	Dr. Mohan.M	Assistant professor	Hybrid Optimization Model for Congestion free multipath routing and load balancing in IoT	Web Intelligence	19.02.2024				Paper Acceptance	Scopus
10	Ms. Ramya Palaniappan	Assistant professor	A novel approach to node coverage enhancement in wireless sensor networks using walrus optimization algorithm	Results in Engineering	16.10.2024	24		<a href="https://doi.org/10.1016/j.rinen.2024.103143">https://doi.org/10.1016/j.rinen.2024.103143</a>	2590-1230	Scopus
11	Mr. Syed Abuthahir S	Assistant professor	O2O-PLB: A One-to-One-Based Optimizer With Priority and Load Balancing Mechanism for Resource Allocation in Fog-Cloud Environments	IEEE Access	29.01.2025	13		DOI: 10.1109/ACCESS.2025.3536210	2169-3536	IEEE -Access
12	Mrs. Swarna Jyothi	Assistant professor	Remote Sensing-Based UAV Imaging in Heat Pattern Analysis Impact on Climate Change Detection Using Fuzzy Stacked Lasso Elastic-Net Mode	Remote Sensing in Earth Systems Sciences	28.10.2024	7	4	DOI:10.1007/s41976-024-00158-4		Scopus
13	Mrs. Swarna Jyothi	Assistant professor	Marine Life Analysis Based on Ocean Water Level Rise and Climate Change Using Underwater Imaging Techniques	Remote Sensing in Earth Systems Sciences	22.10.2024	7	4	<a href="https://doi.org/10.1007/s41976-024-00153-9">https://doi.org/10.1007/s41976-024-00153-9</a>		Scopus
14	Mr. Mohamed Youstuff A.R	Assistant professor	Simplified dynamic modeling and Fuzzy gain scheduled PID control of woodward-governor controlled grid-interactive twin-shaft gas turbine plants,	Heliyon	08.11.2024			<a href="https://doi.org/10.1016/j.heliyon.2024.e40321">https://doi.org/10.1016/j.heliyon.2024.e40321</a>	2405-8440	SCI
15	Mr. P. Kaliyamoorthi	Assistant professor	Advancing Smart Cyber Physical System with Self-Adaptive Software	International Research Journal of Multidisciplinary Scope (IRJMS)	30.07.2024	5	3	<a href="https://doi.org/10.47857/irjms.2024.v05i03.01013">https://doi.org/10.47857/irjms.2024.v05i03.01013</a>	2582-631X	Scopus

16	Mr. P. Kaliyamoorthi	Assistant professor.	Biomedical Images Utilised To Analyse The Expression Of Death Receptor Ligands	Journal of Environmental Protection and Ecology	2024	25	6		1311-5065	Scopus
17	Mrs. G. B. Renuka	Assistant professor	Optimising Energy Efficiency In Cloudbased Big Data Environment Using Lstm-Dwn Reinforcement Learning	Journal of Environmental Protection and Ecology	2024	25	5		1311-5065	Scopus
18	Mrs. G. B. Renuka	Assistant professor	supervised machine learning algorithm for stellar classification	Nanotechnology Perceptions		20	S10	<a href="https://doi.org/10.62441/nanontp.v20iS10.1825">https://doi.org/10.62441/nanontp.v20iS10.1825</a>	1660-6795	Scopus
19	Mrs. Sangeetha.M	Assistant professor	Improving the Performance of Machine Learning with Sequential Feature Selection and Grid Search	PRZEGLĄD ELEKTROTECHNICZNY	Jul-24			doi:10.15199/48.2024.07.29	0033-2097	Scopus
20	Mrs. Sangeetha.M	Assistant professor	Exploring Feature Relationships in Brain Stroke Data Using Polynomial Feature Transformation and Linear Regression	Journal of Machine and Computing	05 October 2024.	4	4	<a href="https://doi.org/10.53759/7669/jmc202404107">https://doi.org/10.53759/7669/jmc202404107</a>	2788-7669	Scopus
21	Mrs. Sangeetha.M	Assistant professor	Advanced Statistical and Nonlinear Analysis Techniques for Deep Learning in MBA Education	Communications on Applied Nonlinear Analysis	2024	31	7s	DOI: <a href="https://doi.org/10.52783/cana.v31.1282">https://doi.org/10.52783/cana.v31.1282</a>	1074-133X	Scopus
22	Mrs. M. Bommy	Assistant professor	Advanced Feature Learning for Multi-Scenario Rankings The Maria Framework for Product Recommendations	International Journal of Electrical and Computer Engineering (IJECE)		15			Paper Acceptance	Scopus
23	Ms.Tripthi P. Balakrishnan	Assistant professor	Enhancing food processing in industry 5.0 based on artificial intelligence	International Journal of Intelligent Systems and Applications in Engineering	12.1.2024	12	12(s)	<a href="https://www.ijisae.org/index.php/IJISAE/article/view/4508">https://www.ijisae.org/index.php/IJISAE/article/view/4508</a>	2147-6799	Scopus
24	Ms.P.Deepthi	Assistant professor	Hybrid swarm intelligence - based Neural framework for optimizing Real Time Computational Model in Engineering system	International Journal of Computational and Experimental Science and Engineering	16.2.2025	11	1	<a href="https://doi.org/10.22399/ijcesen.1001">https://doi.org/10.22399/ijcesen.1001</a>		Scopus

25	Mrs. R. Kavi Priya	Assistant professor	Efficient Power-Aware Protocols For Green Cognitive Radio Networks In Industrial Communications	Journal Of Environmental Protection And Ecology	15.08.2024	25	5	<a href="https://scibulcom.net/en/article/Kbo4GobOxRIUgksCvHxm">https://scibulcom.net/en/article/Kbo4GobOxRIUgksCvHxm</a>	1311-5065	Scopus
26	Mr. J. Nagaraj	Assistant professor	Improving The Cross-Layer Functionality To Overcome The Collision In Mobile Adhoc Network	Journal of Theoretical and Applied Information Technology	30.04.2024	102	8	<a href="https://www.jatit.org/volumes/Vol102No8/10Vol102No8.pdf">https://www.jatit.org/volumes/Vol102No8/10Vol102No8.pdf</a>	1992-8645	Scopus
27	Mr. Thangarasan T	Assistant professor	Predicting Severity Of Osteoarthritis Using Recurrent Convolutional Neural Networks (Rcnn) And Medical Imaging Data	South Eastern European Journal of Public Health (SEEJPH)	2024	XXIV No.1	2 0 2 4	<a href="https://doi.org/10.70135/seejph.vi.894">https://doi.org/10.70135/seejph.vi.894</a>		Scopus
28	Mr. Thangarasan T	Assistant professor	Enhancing Oxidation Reactions Catalytic Systems Using Fuzzy And Hybrid Neural Networks	Oxidation Communications	2024		4	<a href="#">Enhancing Oxidation Reactions Catalytic Systems Using Fuzzy and Hybrid Neural Networks</a>	<a href="#">0209-4541</a>	Scopus
29	Mrs. G. Vasundara Devi	Assistant professor	Intracranial Pressure Monitoring for Traumatic Injury Patients Using Hybrid Deep Learning Model., Nanotechnology Perceptions.	Nanotechnology Perceptions	2024		20	<a href="https://doi.org/10.62441/nanontp.v20iS11.1952">https://doi.org/10.62441/nanontp.v20iS11.1952</a>	1660-6795	Scopus
30	Mr. A. Kumar	Assistant professor	Enhancing Flight Delay Prediction and Classification Using a Hybrid Bi-LSTM: Machine Learning	Communications on Applied Nonlinear Analysis	02.08.2024		31		1074-133X	Scopus
31	Mr. K H Shabbeer Basha	Assistant professor	Hybrid Deep Ensemble Framework for Automated Skin Cancer Detection using Advanced Optimization and Deep Learning Techniques	Frontiers in Health Informatics	07.12.2024		13	DOI: <a href="https://doi.org/10.52783/fhi.vi.1238">https://doi.org/10.52783/fhi.vi.1238</a>	2676-7104	Scopus

32	Mr. K H Shabbeer Basha	Assistant professor	Synergistic Fusion of Ultrasound Image Augmentation, Ensemble Learning, and Transfer Learning for Robustness Against Overfitting in Machine Learning Model Technique	Frontiers in Health Informatics	30.11.2024	13	4	DOI <a href="https://doi.org/10.52783/fhi.vi.1206">https://doi.org/10.52783/fhi.vi.1206</a>	2676-7104	Scopus
33	Mrs. V. Geetha	Assistant professor	Machine Learning for Predicting Bitcoin and Ethereum Price Fluctuations with News Analysis	Journal of Advanced Research in Applied Sciences and Engineering Technology	25-01-2025	64	3	<a href="https://doi.org/10.37934/araset.XX.X.XX">https://doi.org/10.37934/araset.XX.X.XX</a>	2462-1943	Scopus
34	Mr. K. Manju Preetham	Assistant professor	Machine Learning with IoT Based Email Phishing Detection", Communications on Applied Nonlinear Analysis	Communications on Applied Nonlinear Analysis	2025	32	3s	<a href="https://doi.org/10.52783/cana.v32.2686">https://doi.org/10.52783/cana.v32.2686</a>	1074-133x	Scopus

SCI - 6

Scopus - 28

Total = 34

*K. Manju Preetham*  
*R. Geetha*  
 Research Coordinators

*[Signature]*  
 Head of the Department  
 Computer Science & Engineering  
 Madanapalle Institute of Technology & Science  
 MADANAPALLE-517 325..