



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

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Department of Computer Applications

Faculty publications details for the AY 2023-24

S. No.	Title of the paper	Name of the Author's	Name of the Journal	Month & Year of Publication	DOI Number / Website link / Application Number	Scopus/ Conference / Journal / PATENT
1	Predicting Employee Promotions: Investigating the influence of Training, KPI Achievement, And Training Score	Dr M Saravanamuthu, Dr. N. Naveen Kumar, V. Ravathi, N. Shaibasulthana, Y. Ganga Supraja, T. Sulochna,	The Bioscan, An International Quarterly Journal of Life Science	June 2024.	https://thebioscan.com/index.php/pub/article/view/2179?articlesBySimilarityPage=7	WoS
2	Fuzzy rules-based Data Analytics and Machine Learning for Prognosis and Early Diagnosis of Coronary Heart Disease	A. Althaf Ali Umamaheswari S Feroz Khan A.B Jayabrabu Ramakrishnan	Journal Of Information And Organizational Sciences	June 2024.	https://doi.org/10.31341/jios.48.1.9	SCOPUS



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3	Analysis of Leaf's disease detection by improving the image quality using super resolution generative adversarial networks	Dr. M. Saravanamuthu B. Nikitha K. Bharagavi B. Jagadeesh T. Manaswini	The Bioscan, An International Quarterly Journal of Life Science	June 2024.	https://thebioscan.com/index.php/pub/article/view/2177?articlesBySimilarityPage=10	WoS
4	For Analyzing And Improve the Accuracy Of Heart Disease Prediction Using Machine Learning Technique	J. Srinivasan	Futuristic Trends in Computing Technologies and Data Sciences	May 2024.	https://www.iipseries.org/viewpaper.php?pid=5944&pt=for-analysing-and-improve-the-accuracy-of-heart-disease-prediction-using-machine-learning-technique	UGC
5	Artificial Intelligence and Machine Learning Approaches based on Power Reduction in Automated Internet of Things Devices	Abbas Thajeel Rhaif Alsahlanee ¹ Gunita Arun Chandhok ² , Saravanan T ³ , D.Sugumara ⁿ⁴ , Kireet Joshi ⁵ , N Rajesh ⁶	3rd International Conference on Advances in Computing, Communication and Applied Informatics	May 2024	DOI: 10.1109/ACCAI61061.2024.10602214	Conference



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6	Determination of the time location points and investigation of the body sensor network using RATDMA and PATDMA	Mohammed Mustafa. M Kalapana Devi Althaf Ali Guanvathie. M. A	Journal of Intelligent & Fuzzy Systems	April 2024.	https://doi.org/10.31341/jios.48.1.9 https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs234275	SCIE
7	Impact of nutrients in food quality and safety by machine learning classifier using internet of things	S.Balamurugan E.Gurumoorthi Dr. R. Maruthamuthu	International Journal of Information Technology (Springer Nature)	April 2024.	https://link.springer.com/article/10.1007/s41870-024-01840-y	SCOPUS
8	Addressing Mobility Based RPL Routing for Low Power Lossy Networks in IoV Networks	V. C. Diniesh, G. Murugesan M. Joseph Auxilius Jude A. Prabhakaran N. Haritha, S. M. Jeevanaa A. Karthikraja	2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE)	April 2024.	https://ieeexplore.ieee.org/document/10493629 https://doi.org/10.1109/ICETITE58242.2024.10493629	Conference



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9	The Role of Computer Science based on Industry 5.0 in Bioinformatics	S. Jansi Priya Bonte S. Raja Rama Krishna Yellapragada K. B. Kishore ohan	International Journal Of Intelligent Systems And Applications In Engineering	Mar 2024.	https://ijisae.org/index.php/IJISAE/article/view/5332	SCOPUS
10	Performance Analysis of the Machine Learning Algorithms for the Early Detection of Breast Carcinoma	K. Vanitha S. M. Karapagavalli Mahesh T R A. Althaf Ali Sridhar T, K.Anitha	Journal of Information & Organizational Sciences	Mar 2024.	https://ieeexplore.ieee.org/document/10503434 https://doi.org/10.1109/IATM-SI60426.2024.10503434	SCOPUS
11	Optimizing Spatial Pattern Analysis in serial Remote Sensing Images Through Empirical Mode Decomposition and Ant colony optimization	J. Srinivasan S. Uma Saleem Raja Abdul Samad Jayabrabu Ramakrishnan	Journal of Harbin Institute of Technology (New series)	Mar 2024	http://hit.alljournals.cn/jhit_cn/ch/reader/view_abstract.aspx?file_no=20240406 10.11916/j.issn.1005-9113.2023072	SCOPUS



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12	Optimization of effectual Sentiment analysis in Film Reviews using Machine Learning Techniques	S. Balamurugan, E. Gurumoorthi, Dr. R. Maruthamuthu, N. Naveen Kumar	Elsevier	Jan 2024.	https://www.sciencedirect.com/science/article/abs/pii/B9780443220098000033	Book chapter Scopus
13	An Improved Mask R-CNN Object Recognition for the Visually Impaired Community	N. Naveen Kumar S. Balamurugan P. Seshu Kumar	Indian Journal of Natural Sciences	Dec 2023	https://tnsroindia.org.in/JOURNAL/issue81/IJONS%20-%20DECEMBER%202023%20-%20FRONT%20PAGE%2002.pdf	WoS
14	An Improvised mechanism for optimizing fault detection for big data analysis environment	M. Sudha Paulin K. Subramani P. Muralidharan Dr. R. Maruthamuthu R. Senthil Kumar	International Journal of Intelligent Systems and Applications in Engineering	Dec 2023.	https://ijisae.org/index.php/IJISAE/article/view/4336	OPEN ACCESS PROCEEDINGS (SCOPUS)



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15	An Enhanced Analysis of Blood Cancer Prediction Using ANN Sensor-Based Model	A. Althaf Ali K. Hemalatha N. Mohana Priya S. Aswath Sushma Jaiswal	https://www.mdpi.com/journal/engproc	Dec 2023.	https://doi.org/10.3390/engproc2023059065	OPEN ACCESS PROCEEDINGS (SCOPUS)
16	Enhancing Security in the Internet of Things: A Trust-Based Protocol for Resilient Communication	A. Althaf Ali Mohammed Muzaffar Hussain A. Subramaneswara Rao S. Lavanya A. B. Feroz Khan	SN Computer Science (A Springer Nature Journal)	Nov 2023.	https://link.springer.com/article/10.1007/s42979-023-02329-4	SCOPUS
17	A Smart Elevator Design using Intelligent Video Surveillance System	Dr. R. Maruthamuthu DhremeshDhabliya Gayathri C S. Subburam P. Calista Bebe	2023 3rd International Conference on Technological Advancements in Computational Sciences (ICTACS)	Nov 2023.	https://ieeexplore.ieee.org/document/10390286 https://doi.org/10.1109/ICTACS59847.2023.10390286	Conference



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18	Critical Analysis of Heart Attack Disease Prediction Using Supervised Learning Algorithms	Dr. S. Jansi K.Jaswanth	International Journal of Engineering Research & Technology (IJERT)	Oct 2023.	https://www.ijert.org/research/NCRTCA-PID-405.pdf	SCOPUS
19	Advancement in compiler design and optimization techniques	Dr. R. Maruthamuthu DhremeshDhabliya Kala Priyadarshini G Ahmed H. R. Abbas Abdullaeva Barno Dr. V. Vignesh Kumar	E3S Web Conf.	July 2023.	https://www.e3s-conferences.org/articles/e3sconf/abs/2023/36/e3sconf_iconnect2023_04047/e3sconf_iconnect2023_04047.html	Conference
20	Ultrasonic Rail Track Testing Device	Dr. Naveenkumar	Intellectual Property India	Oct 2023	https://ipindia.gov.in/397579-001 Design Number	PATENT
21	Structure of HexaPod robot	Dr.Srinivasan J	Intellectual Property India	Jan 2024	https://ipindia.gov.in/ Design Number: 366755-001	PATENT



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22	Sun Glasses for the visually Impaired	Dr. Srinivasan J	Intellectual Property India	March 2024	https://ipindia.gov.in/Design Number 6351733	PATENT
23	Smart crop health monitoring device	Dr. R. Viswanathan	Intellectual Property India	April 2024	https://ipindia.gov.in/Design Number 6355225	PATENT

R&D Coordinator

HoD