

Faculty Profile



Name: Dr. Madhusudana Rao Nalluri

Designation: Associate Professor

Teaching Areas: Artificial Intelligence, Machine Learning, Deep Learning, Data Science, Fuzzy Logic, Algorithms, Data structures, and Theory of Computing.

Research Interests: Machine Learning, Evolutionary Computing, Multi-Objective Optimization, and Developing Heuristics.

Education:

- Ph.D.(CSE),SASTRA Deemed University, Thanjavur, 2019
- M.Tech(Scientific Computing), Birla Institute of Technology, Mesra, 2009
- M.Sc(Mathematics)- Andhra University, Visakhapatnam, 2005

Research / Selected Publications:

Journals

- Kande, G. B., Ravi, L., Kande, N., Nalluri, M. R., Kotb, H., ... & Sasikumar, A. (2023). MSR U-net: An improved U-Net model for retinal blood vessel segmentation. IEEE Access(2023).
- George, M. R., Nalluri, M. R., & Anand, K. B. (2022). Application of ensemble machine learning for construction safety risk assessment. Journal of The Institution of Engineers (India): Series A, 103(4), 989-1003.
- Ramakrishnan, A. H., Rajappa, M., Krithivasan, K., Chatzistergos, P. E., Chockalingam, N., & Nalluri, M. R. (2022). A concept for movement-based computerized segmentation of connective tissue in ultrasound imaging. Multimedia Tools and Applications, 81(26), 38053-38066.
- Krishnan, D. L., Kannan, K., Muthaiah, R., & Nalluri, M. R. (2021). Evaluation of metrics and a dynamic thresholding strategy for high precision single sensor scene matching applications. Multimedia Tools and Applications, 80, 18803-18820.
- Gao, X. Z., Nalluri, M. S. R., Kannan, K., & Sinharoy, D. (2021). Multi-objective optimization of feature selection using hybrid cat swarm optimization. Science China Technological Sciences, 64, 508-520.
- Keerthivasan, E., Thangavel, S. K., Nalluri, M. R., Somasundaram, K., Parthasaradhi, S., Dhar, M. Y., & Bindu, A. (2024, April). Early Glaucoma Detection through ANSAN-Infused Retinal Vessel Segmentation. In 2024 International Conference on Inventive Computation Technologies (ICICT) (pp. 1212-1218). IEEE.
- Goura, V. P., Moulesh, M., Madhusudanarao, N., & Gao, X. Z. (2022). An efficient and enhancement of recent approaches to build an automated essay scoring system. Procedia Computer Science, 215, 442-451.

Complete list of publications can be found at the following URL:

https://scholar.google.com/citations?hl=en&user=zy0iPHYAAAAJ&view_op=list_works&sortby=pubdate