List of Publications

Department of Computer Science and Engineering--AI&DS

GMR Institute of Technology (Autonomous) : Rajam

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Vizianagaram, Andhra Pradesh 532127

Academic Year	National Conference	National Journal	International Conference	International Journal	Book /Book Chapters	Total Publications	Cumulative publications
June 2025- January 2026	-	-	4	11		15	15

June 2025- January 2026

International Journals:

1. Sargunan I., Krishnamoorthy S. K., Govindharaju K., Cheemalapati V. TopK-KiU-Net and squeeze residual fraction network for kidney tumor segmentation and detection, Biomedical Signal Processing and Control. 2026. Vol. 113. p. 109-116.
2. Jyothsna, K. & Ravuri, Vasavi & Nandini, Sekharamahanti & Kanchanamala, P. & Udhaya, R. & Kalpana, P. & George, Christo. (2025). Prediction and classification of air quality index in an industrial region using machine learning models. Asian Journal of Civil Engineering. 1-23. 10.1007/s42107-025-01614-2
3. Manikyam, N. R. H., Thangam, A., Murugachandravel, J., Vimala, K., Swanthana, K., Kanagaraju, P. & Bhoopathy, V. (2025). Enhancing Electric Vehicle Charging Demand Prediction Using a Novel SAE-DNN Neural Network Model for Probabilistic Forecasting. Journal of Computer Science, 21(10), 2400-2411. https://doi.org/10.3844/jcssp.2025.2400.2411.
4. P., Kanchanamala, Anuradha G., and Radhika Gouni. 2025. “DenSFFNet: Dense Spiking Forward Fractional Network for Cardiovascular Risk Prediction Using Retinal Fundus Images in Spark Framework.” Archives of Physiology and Biochemistry 131 (5): 818–39. doi:10.1080/13813455.2025.2503478.

5. Kanchanamala, Pendela & Karnati, Ramesh & Tammineni, Ravi. (2025). Brain tumor classification from MRI images using exponential-Walruses hunting optimization driven SqueezeNet. Expert Systems with Applications. 271. 126633. 10.1016/j.eswa.2025.126633.
6. Kotti, J., Chalasani, V., & Rajan, C. (2025). A hybrid M-DbneAlexnet for brain tumour detection using MRI images. Archives of Physiology and Biochemistry, 131(6), 1061–1081. https://doi.org/10.1080/13813455.2025.2531118
7. Jayasri Kotti, M. Belsam Jeba Ananth, Rajeshkannan Regunathan, Hybrid EfficientQNet for brain tumor detection using MRI images, Computers and Electrical Engineering, Volume 127, Part B,2025,110601,ISSN 0045-7906, https://doi.org/10.1016/j.compeleceng.2025.110601.
8. Ramaswamy, Velumani & Ponnada, Sreenu & Kotti, Jayasri & Nagarajan, Suganthi & Vijaykumar, Nampally & Dr, Suresh Kumar K. (2025). Pyramid SpinalNet-based Nerve Structure Segmentation and Classification Using Ultrasound Nerve Image. Knowledge-Based Systems. 330. 114705. 10.1016/j.knosys.2025.114705.
9. Ranjeeta Bisoi, P.K. Dash, Someswari Perla, Improved decomposition strategy based recurrent ensemble deep random vector functional link network for forecasting short-term electricity price, e-Prime - Advances in Electrical Engineering, Electronics and Energy, Volume 12, 2025,101024, ISSN 2772-6711, https://doi.org/10.1016/j.prime.2025.101024.
10. Sravanthi , K. ., Ch , V. ., Kumar , L. K. ., Keerthana , B. ., Munukurthi , B. ., & Samatha , B. . (2025). A Novel Approach to Enhancing Air Pollution Prediction using a Two-Stage Neural XG Boost Detection Algorithm. International Journal of Basic and Applied Sciences, 14(1), 99-105. https://doi.org/10.14419/a2299s64
11. Perla, Someswari & Bisoi, Ranjeeta & Dash, P.K. & Rout, A.K.. (2025). Short-term forecasting of electricity price using ensemble deep kernel based random vector functional link network. Applied Soft Computing. 174. 113012. 10.1016/j.asoc.2025.113012.

International Conferences:

1. P. Srihari, Ajit Kumar Rout, Ch. Sudheer, Abhisek Sethy; Machine learning-based forecasting of caloric expenditure in digital health research. *AIP Conf. Proc.* 9 July 2025; 3298 (1): 020056. https://doi.org/10.1063/5.0279354
2. Jayasri Kotti, G. Sri Rupa, Thota Soujanya; Revolutionizing farming with machine learning approaches for smart agriculture. *AIP Conf. Proc.* 9 July 2025; 3298 (1): 020060. https://doi.org/10.1063/5.0280509
3. Jayasri Kotti, Archana Uriti, Nagendar Yamsani; Forecasting student success with predictive modelling for academic performance. *AIP Conf. Proc.* 9 July 2025; 3298 (1): 020059. https://doi.org/10.1063/5.0280589

4. Perla, Someswari & Maram, Balajee & Creesy, R. & Datta, Parul & Sravanthi, B. & Saidhbi, Shaik. (2025). A Hybrid Model of Deep Transfer Learning and Feature Fusion for Diabetic Retinopathy Classification and Grading. 10.1007/978-981-96-5010-1_1.