



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)**

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9001:2015 Certified Institution Approved by AICTE, New Delhi. and
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DEPARTMENT OF INFORMATION TECHNOLOGY

List of Publications in the Academic Year 2024-25

TIM E	Author/ Co-Author	Title of the Paper/Book: Published/ Presented	Name of the Journal/ Conference /Events/Publisher	Vol No./Issue./ pp. /ISSN No. / ISBN No. /DOI No	Month and Year of Publication / Presentation	Indexin g
1	N. Velmurugan, R. Rajeswari, Satuluri Naganjaneyulu, A. Anupama	Rat swarm political optimizer based deep learning approach for lung lobe segmentation and lung cancer detection using CT images	Biomedical Signal Processing and Control	Volume No:105, ISSN:1746-8094, IF:9.8 DOI: https://doi.org/10.1016/j.bspc.2025.107612	Feb-2025	SCIE
2	Gupta, N., Malladi, R., Naganjaneyulu, S., & Balhara, S.	Optimized Attention Induced Multi Head Convolutional Neural Network for Intrusion Detection Systems in Vehicular Ad Hoc Networks	IEEE Transactions on Intelligent Transportation Systems.	IF: 7.9 pp:1-10, Print ISSN:1524-9050, Electronic ISSN:1558-0016 DOI: 10.1109/TITS.2025.3561545	May-2025	SCIE

3	Hajarathaiah, K., Kolli, C. S., Tatireddy, S. R., Kumar, M. S., Radha, V. K. R., & Reddy, Vadisena Venkata Krishna Reddy,	Cascade Kronecker neuro– fuzzy network based influential node identification	Applied Soft Computing	Volume: 175, 113015. IF: 7.2, PP:1-19. ISSN:1568-4946 DOI; https://doi.org/10.1016/j.asoc.2025.113015	May - 2025	SCIE
4	Manas Ranjan Mohanty, Pradeep Kumar Mallick, Annapareddy VN Reddy	Optimizing pulmonary chest x-ray classification with stacked feature ensemble and swin transformer integration	Biomedical Physics & Engineering Express	Volume:11, Issue:01, ISSN: 2057-1976, IF:1.3, DOI: 10.1088/2057- 1976/ad8c46	November- 2024	ESCI
5	Praveen, S. P., Jyothi, V. E., Anuradha, C., Venu Gopal, K., Shariff, V., & Sindhura, S.	Chronic kidney disease prediction using ML-based Neuro-Fuzzy model	International Journal of Image and Graphics	24(06), 2340013. ISSN (print): 0219- 4678 ISSN (online): 1793-6756 DOI: https://doi.org/10.1142/S0219467823400132	November- 2024	ESCI
6	Chandra Sekhar Kolli, Sreenivasu Seelamanthula, Venkata Krishna Reddy V, Padamata Ramesh Babu, Mule Rama Krishna Reddy & Babu Rao Gumpina	Privacy-enhanced course recommendations through deep learning in Federated Learning environments	International Journal of Information Technology	ISSN: 2511-2104 Volume 17, pages 629–635 IF: 5.135 DOI: https://doi.org/10.1007/s41870-024-02087-3	August 2024	SCOPUS

7	Kamarajugadda, R., Battula, R., Borra, C. R., Durga, H., Bypilla, V., Reddy, S. S., ... & Bhavanam, S.	Optimizing avian species recognition with MFCC features and deep learning models	International Journal of Information Technology	Volume:16, Pages: 4621-4626. IF:5.135 DOI: https://doi.org/10.1007/s41870-024-02108-1_	August-2024	SCOPUS
8	Kalva Sudhakar and Satuluri Naganjaneyulu	An optimized CNN-stacked LSTM neural network model for predicting stock market time-series data, International	Journal of Computational Economics and Econometrics	Vol. 15, No. 1-2, pp 196-224, IF:0.3 ISSN: 1757-1189, DOI: https://doi.org/10.1504/IJCEE.2025.145022	March-2025	SCOPUS

9	Kolla, M., Buraga, S. R., Kommina, S. B., Kavitha, J., Ramireddy, N., & Savalge, S.	Tritag Recommender: A Hybrid Approach To Stack Overflow Tag Prediction Using Transformers And Keyword Extraction	Journal of Theoretical and Applied Information Technology	PP: 5002-5010, ISSN: 1992-8645, IF:0.6	June -2025	SCOPUS
10	Pokkuluri, K. S., Mounika, T., Devi, N. D., Kishore, D. R., Balakiruthiga, B., & Krishna, B. M.	Disaster Management Based on Biodiversity Conservation Using Remote Sensing Data Analysis Using Machine Learning Model.	Remote Sensing in Earth Systems Sciences	ISSN:25208195. Pages:191-199, Volume :8 DOI: 10.1007/s41976-024-00188-y	January-2025	SCOPUS
11	M. Hema Latha, P. Ashok Reddy, Gowravaram Sai Nandini, Vaddelli Charitha Sri & Bandi Lavanya	Plant Leaf Disease Diagnosis Using CNN and Fertilizer Recommendation	Proceedings of 3rd International Conference on Smart Computing and Cyber Security	Volume:914, Pp: 617–629, ISBN: 978-981-97-0573-3, https://doi.org/10.1007/978-981-97-0573-3_48	July-2024	SCOPUS

12	Sarvani Anandarao , Shaik Mastani, Tata Geeta, Bolleddu Vamsi & Puritipati Sai Santhosh Reddy	Human Activity Tracking Using Mobile Sensor Data and an Optimised LSTM	Proceedings of 3rd International Conference on Smart Computing and Cyber Security	Volume:914, pp 305–322, ISBN: 978-981-97-0573-3, DOI: https://doi.org/10.1007/978-981-97-0573-3_25	July-2024	SCOPUS
13	K. Rajasekhar , G. Sabareesh, C. H. Saila, U. Kamalesh & T. Ganesh	Enhancing Sarcasm Detection Using Deep Learning	Proceedings of Fifth Doctoral Symposium on Computational Intelligence, Volume	Number:03, page No:137-150, ISBN: 978-981-97-6035-0, DOI: https://doi.org/10.1007/978-981-97-6036-7_12	October-2024	SCOPUS
14	K. Rajasekhar , M. Rashmitha, S. Priyanka & S. Uma Mahesh	Rockfall Detection on Moon and Mars Using Deep Learning Models	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume No:03, Page no:361-374, ISBN: 978-981-97-6035-0, DOI: https://doi.org/10.1007/978-981-97-6036-7_30	October-2024	SCOPUS
15	Tatiparti. B Prasad Reddy, Cheruku Poorna Venkata Srinivasa Rao , T. Suhasini Reddy, Sukhaveerji Ghate,	Modified Arithmetic Optimization with Fusion Based Deep Learning for Chronic Kidney Disease Classification on Internet of Medical Environment	AIP Conference Proceeding	Volume: 2971, Issue:01, pp:1-17, ISBN: 1551-7616, DOI: https://doi.org/10.1063/5.0196536	June-2024	SCOPUS
16	A. Sarvani , G. Devi Priyanka, M. Sujini, B. Jaya Prakash & G. Vennela,	Integrative Deep Learning for Diabetic Retinopathy and Glaucoma Detection in Ocular Images	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:03, page:25-39, ISBN:978-981-97-6035-0, DOI: https://doi.org/10.1007/978-981-97-6036-7_12	October-2024	SCOPUS

				7/978-981-97-6036-7_3		
17	D. Ratna Kishore , Talluri Manasa, T. D. P. Abhi Ram, K. Jeevan Babu & Chowdari Rishitha	Enhancing Lung Disease Detection from Computed Tomography Images Using Deep Learning Algorithms	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:01, Page No:491-501, ISSN: 978-981-97- 6317-7, DOI: https://doi.org/10.1007/978-981-97-6318-4_38	November- 2024	SCOPUS
18	K. Phaneendra , Sk. Saleema, K. Kusumalatha, K. Akash, P. Purnima Nikitha Sai & M. Babureddy	A Cutting-Edge Approach to Forest Fire Region Identification Through Deep Learning	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:04, Page NO:41-55, ISSN: 978-981-97- 6725-0, DOI: https://doi.org/10.1007/978-981-97-6726-7_3	November-2024	SCOPUS
19	G. Rajendra , Gudimetla Laxmi Satwika, Jafrin Jahan, Posani Sai Vamsi Krishna & Nukala Rohith	Bone Age Prediction Using Edge Detection and ResNet50	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:04, Page NO:41-55, ISSN: 978-981-97- 6725-0, DOI: https://doi.org/10.1007/978-981-97-6726-7_24	November-2024	SCOPUS
20	Chindam Sambasiva Rao , C. H. Gayathri, K. Gayathri, J. Venkata Ramaiah & O. Prathyusha	Unveiling Patterns Using Machine Learning in Crime Prediction	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:01, Page No: 133–147 ISSN: 978-981-97- 6317-7, DOI: https://doi.org/10.1007/978-981-97-6318-4_11	November-2024	SCOPUS

21	Rajesh Reddy Muley , Gutta Krishna Kethura, Sangoju Lalitha, Battula Yamini & Thota Kavya Sri	Intelligent Traffic Monitoring System Using Deep Learning: Triple Riding, Automatic License Plate Recognition, and Helmet Detection	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:04, Page No: 391–402, ISSN: 978-981-97-6725-0, DOI: https://doi.org/10.1007/978-981-97-6726-7_31	November-2024	SCOPUS
22	M. Vijay Kumar , Jahnavi Reddy Gondes, Gonedipalli Siva Krishna & Itela Anil Kumar	Chronic Disease Prediction Using Machine Learning	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:01, Page No: 259–267, ISSN: 978-981-97-6317-7, DOI: https://doi.org/10.1007/978-981-97-6318-4_19	November 2024	SCOPUS
23	Kumar, M. V. , Reddy, M. B., Kotta, J. P., Manvitha, G., Chandana, V. N., Prakash, A., & Nandini, J. D. L.	Diabetic Retinopathy Classification Using Quantum-Assisted Deep Learning	In Evolution in Computational Intelligence: Proceedings of the 12th International Conference on Frontiers in Intelligent Computing: Theory and Applications	Page No: 413–424 DOI: 10.1007/978-981-96-2124-8_32	June 2025	SCOPUS
24	B. Ravindra Chanti Babu , Nazumuddin Shaik, M. Bhargavi, D. Sravani, B. Bhavana & B. Varun Sai	Leveraging Deep Learning for Efficient Brain Tumor Classification	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Page No:437-450 DOI: 10.1007/978-981-97-6726-7_35	November-2024	SCOPUS

25	K. Lakshmi Devi, J. SnehaMadhuri, S. K. Akhima, N. Guru Saichand & K. Sahalya,	Adaptive KOA: Leaf Disease Classification Using Hyperspectral Images for Internet of Things (IoT)- Based Sustainable Agriculture	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:04, Page No: 355–368, ISSN: 978-981-97- 6725-0, DOI: https://doi.org/10.1007/978-981-97-6726-7_28	November-2024	SCOPUS
26	Sarvani Anandarao, Karri Leela Anusha, Gundala Aswish Reddy & Duvvuru Siddhardh Reddy,	Social Media-Based Depressive Disorder Severity Estimation	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:01, Page No: 461–475, ISSN: 978-981-97- 6317-7 DOI: https://doi.org/10.1007/978-981-97-6318-4_36	November-2024	SCOPUS
27	K. VenuGopal, Faheemullah Fathemullam, Ayyanki Susmitha, Rongali Meghana Sai, Palavai Rajeswari & Mohammad Shafeul Wara,	Solar Cell Surface Defect Detection Based on Improved Yolo V6	Intelligent Computing and Automation,	Vol:04, Pp:355–370, ISBN:978-981-96- 0143-1, DOI: https://doi.org/10.1007/978-981-96-0143-1_28	March-2025	SCOPUS
28	K. VenuGopal, Faheemullah Fathemullam, Budigi ManjuBharathi, Gogineni Anusha, Gugulothu Sravani & Sandeep P. Abhang,	Advanced Deep Learning Integration with Investor Sentiment for Accurate Stock Price Prediction	Intelligent Computing and Automation	Volume:04, Pp:339–353, ISBN:978-981-96- 0143-1, DOI: https://doi.org/10.1007/978-981-96-0143-1_28	March-2025	SCOPUS

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29	Hemalatha Munnangi , P. Ashok Reddy, Gudibandi Poojitha, Mallipam Satya Praneeth, Thatikonda Swathi & Shreyas Upendra Dingankar	Machine Learning for Premature Birth Prediction During Pregnancy	Intelligent Computing and Automation	Volume:04, Pp:311–323, ISBN:978-981-96-0143-1, DOI: https://doi.org/10.1007/978-981-96-0143-1_25	March-2025	SCOPUS
30	V. V. Krishna Reddy , Susmitha Cherukuri, Karthikeya Vanaparla & Lakshman Rishi Avula	Deep Feature Extraction for Fashionable Fabrics: Using ResNet50, MobileNet, and CNN	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:02, pp 417–429, ISBN:978-981-97-7178-3, DOI: https://doi.org/10.1007/978-981-97-7178-3_36	February-2025	SCOPUS
31	Rajesh Reddy Muley , M. Bala Chowdeswari, Sk. Reshma, P. Siva Prakash, Budeti Jaya Prakash & Smita Desai	Multi object Detection and Distance Estimation System for Enhanced Spatial Awareness in the Visually Impaired People	Intelligent Computing and Automation	Volume:04, Pp: 325–338, ISBN:978-981-96-0143-1, DOI: https://doi.org/10.1007/978-981-96-0143-1_26	March-2025	SCOPUS
32	Cheruku Poorna Venkata Srinivasa Rao , Kodhamala Swarna, Shaik Asif Basha, Thopula Nikitha & Pagadala Komali,	Innovative Methods Toward the Real-Time Detection of Ulcers in Diabetic Feet	Proceedings of Fifth Doctoral Symposium on Computational Intelligence	Volume:02 Pp:321–330, ISBN:978-981-97-7178-3, DOI: https://doi.org/10.1007/978-981-97-7178-3_28	February-2025	SCOPUS

33	Devi, Y. S., Chaitanya, A., Kumar, K. S., Chandra, P. B., & Gopal, K. V.	Smart Fan with Sensor based Activation and Environment Control System.	In 2024 5th International Conference on Smart Electronics and Communication	Pp:265-272, IEEE. Electronic ISBN:979- 8-3315-0440-3 DOI: 10.1109/ICOSEC61587.2024.10722136	October-2024	SCOPUS
34	Sirisha, J., Chandra, B. S. , Madhavi, B., Thirupathamma, B. L., Vallabhapurapu, T., & Penjarla, N. K.	Advanced Deep Learning Techniques for Accurate Detection of Pathological Infant Cry Signals.	In 2024 4th International Conference on Soft Computing for Security Applications	pp.256-264. IEEE. Electronic ISBN:979- 8-3315-1572-0, DOI: 10.1109/ICSCSA64454.2024.00047	March-2025	SCOPUS
35	Chandra, B. S. , Kalyan, M. P., Chanikya, S., Reddy, S. S., & Reddy, D. S.	Fingerprint Based Blood Group Classification Using Deep Learning.	In Evolution in Computational Intelligence: Proceedings of the 12th International Conference on Frontiers in Intelligent Computing: Theory and Applications	Vol. 436, P: 399. DOI: 10.1007/978-981-96-2124-8_31	June 2025	SCOPUS
36	Raffik, R., Misra, P. K., Kolli, C. S., Reddy, V. K. , Chandol, M. K., & Shukla, S. K.	Classification of defective product for smart factory through deep learning method	In AIP Conference Proceedings	Vol. 2937, No. 1. p. 020029. DOI: https://doi.org/10.1063/5.0218182	August-2024	SCOPUS

37	Kolli, C. S., Seelamanthula, S., Reddy, V., Suryanarayanaraju, S., Elamathi, E., & Balleda, R. K.	Comprehensive Exploration of Generative Pre- trained Transformer.	In International Conference on Data Analytics & Management	Pp:487-507 DOI: 10.1007/978-981-96-3372-2_34	May-2025	SCOPUS
38	Rao, B. S., Joel. T., Dinesh, N., Reddy, G. K. C., & Hardhik, N. S.	Revolutionizing Medical Records Management with Blockchain. In International Conference on Data Analytics & Management	In International Conference on Data Analytics & Management	pp.627-641 DOI: 10.1007/978-981-96-3358-6_46	April-2025	SCOPUS
39	Reddy, V. K., Cherukuri, S., Vanaparla, K., & Avula, L. R.	Deep Feature Extraction for Fashionable Fabrics: Using ResNet50, MobileNet, and CNN.	In Doctoral Symposium on Computational Intelligence	Pp: 417–429 DOI: 10.1007/978-981-97-7178-3_36	February-2025	SCOPUS