LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Accredited by NAAC & NBA (Under Tier - I), ISO 9001:2015 Certified Institution,
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DEPARTMENT OF INFORMATION TECHNOLOGY

Intelligent Computing System Research Group

INTRODUCTION:

The **Intelligent Computing Group** in the Department of **Information Technology** at Laki Reddy Bali Reddy College of Engineering focuses on research and learning in the area of artificial intelligence and smart technologies. The group works on topics such as machine learning, data analytics, artificial intelligence, and intelligent systems that can solve real-world problems. The group is supported by well-equipped laboratories and modern computing facilities. These resources help students and faculty members explore new ideas and develop innovative solutions using advanced technologies.

Experienced faculty members guide students in understanding current trends in intelligent computing. The group regularly organizes workshops, seminars, guest lectures, and technical events to help members stay updated with the latest developments in the field. Faculty members also encourage students to take part in research activities, publish papers in reputed journals, and apply for research projects and funding. Overall, the Intelligent Computing Group creates a supportive environment that promotes learning, innovation, and knowledge sharing.

OBJECTIVES OF THE INTELLIGENT COMPUTING SYSTEM RESEARCH GROUP

- ➢ **To promote research in intelligent computing** such as Artificial Intelligence, Machine Learning, and Data Analytics.
- ➢ **To develop innovative solutions** for real-world problems using smart and intelligent technologies.
- ➢ **To encourage student participation in research activities**, projects, and technical competitions.
- ➢ **To publish quality research papers** in reputed journals and conferences.
- ➢ **To organize workshops, seminars, and guest lectures** to keep students and faculty updated with the latest technologies.
- ➢ **To collaborate with industry and academic experts** for knowledge sharing and practical exposure.
- ➢ **To support research funding and project proposals** at national and international levels.

➤ **To create a strong learning and innovation environment** within the Department of Information Technology.

Members of Intelligent Computing system Research Group

S.NO	NAME OF MEMBER	DESIGANTION
1	Dr. D. Ratna Kishore	Coordinator
2	Dr. B. Srinivasa Rao	Members
3	Dr. Satuluri Naganjaneyulu	
4	Dr. Ch. Malathi	
5	Mr. Rajasekhar K	
6	Mrs. D. Vijaya Sri	
7	Mrs. J. Geetha Renuka	
8	Mrs. R. Pavitra	
9	Ms. Rehana Begum	
10	Mrs. K. Lakshmi Devi	
11	Mrs. Jyothi	
12	Mrs. Sravani	
13	Ms. P. Padmini	

SCI Papers

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 Number:105, ISSN:1746-8094, IF:9.8 https://doi.org/10.1016/j.bspc.2025.107612 **(4 February 2025) (Scopus Q1, web of science Q2)**

2) Gupta, N., Malladi, R., **Naganjaneyulu, S.,** & Balhara, S. (2025). 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 **(8-May-25) (Q1)**

Journals

1) 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, 3/17/2025, pp 196-224, IF:0.3 ISSN: 1757-1189, https://doi.org/10.1504/IJCEE.2025.145022 **(17-Mar-25)** **(Q2)**

2) KOLLA, M., **BURAGA, S**. R., KOMMINA, S. B., KAVITHA, J., RAMIREDDY, N., & SAVALGE, S. (2025). TRITAG RECOMMENDER: A HYBRID APPROACH TO STACK OVERFLOW TAG PREDICTION USING TRANSFORMERS AND KEYWORD EXTRACTION. Journal of Theoretical and Applied Information Technology, 103(11), PP: 5002-5010, ISSN: 1992-8645, IF:0.6 **(15th june 2025)** **(Q4)**

3) Pokkuluri, K. S., Mounika, T., Devi, N. D., **Kishore, D. R**., Balakiruthiga, B., & Krishna, B. M. (2025). Disaster Management Based on Biodiversity Conservation Using Remote Sensing Data Analysis Using Machine Learning Model. Remote Sensing in Earth Systems Sciences, 1-9, ISSN: 25208195. Pages: 191-199 (2025), Volume :8 **(8 January 2025)** **(Q2)**

Scopus Conference Proceedings

1) 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, https://doi.org/10.1007/978-981-97-0573-3_25

2) 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 number:137-150,ISBN: 978-981-97-6035-0, https://doi.org/10.1007/978-981-97-6036-7_12

3) 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 Number:03,page

number:361-374,ISBN: 978-981-97-6035-0, https://doi.org/10.1007/978-981-97-6036-7_30

4) **A. Sarvani**, G. Devi Priyanka, M. Sujini, B. Jaya Prakash & G. Vennela, Integrative Deep Learning for Diabetic Retinopathy and Glaucoma Detection in Ocular Images, ratna , Volume Number:03,page number:25-39,ISBN: 978-981-97-6035-0, https://doi.org/10.1007/978-981-97-6036-7_3

5) **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 Number:491-501,ISSN: 978-981-97-6317-7,DOI: https://doi.org/10.1007/978-981-97-6318-4_38

6) **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 Number: 355–368,ISSN: 978-981-97-6725-0, DOI: https://doi.org/10.1007/978-981-97-6726-7_28

7) **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 Number: 461–475,ISSN: 978-981-97-6317-7,DOI: https://doi.org/10.1007/978-981-97-6318-4_36

8) **Rao, B. S**., Joel, T., Dinesh, N., Reddy, G. K. C., & Hardhik, N. S. (2024, June). Revolutionizing Medical Records Management with Blockchain. In International Conference on Data Analytics & Management (pp. 627-641). Singapore: Springer Nature Singapore