



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (Under Tier - I), ISO 9001:2015 Certified Institution,

Approved by AICTE, New Delhi. and Affiliated to JNTUK, Kakinada

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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. S. 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	Ms. P. Padmini	

Journals

1) **Sri, D. V.,** Ramadevi, P., Priya, T. V., Thanmai, S., Tejaswi, M., Sadhika, S., & Renuka, J. G. (2025). Binary flower pollination algorithm driven deep SE-ResNeXt framework for the identification of *Muntingia calabura*. *International Journal of Information Technology*, 1-8. <https://doi.org/10.1007/s41870-025-02728-1> **(September 22- 2025) (Q2).**

Scopus Conference Proceedings

1) **Begum, R.,** Gorantla, S., Jashuva, M., Akhileswari, A., & Tejaswini, A. (2025, July). Speech Emotion Recognition (SER) Using CNN, Fully Connected Layers, BiLSTM, and Bayesian Optimization for Parameter Tuning. In *2025 International Conference on Innovations in Intelligent Systems: Advancements in Computing*,

Communication, and Cybersecurity (ISAC3) (pp. 1-5). IEEE. DOI: 10.1109/ISAC364032.2025.11156780

2) Jalluri, G. R., Sumithra, M. D., Soujanya, C. L., Potharaju, C. M., & Singamalai, J. (2025, July). Deep Learning-Based Automated Diagnosis of Kidney Stones. In 2025 International Conference on Innovations in Intelligent Systems: Advancements in Computing, Communication, and Cybersecurity (ISAC3) (pp. 1-7) IEEE. DOI: [10.1109/ISAC364032.2025.11156483](https://doi.org/10.1109/ISAC364032.2025.11156483).

3) Naganjaneyulu, S., Geethika, A., Tejaswini, B., Shreyasi, P., Reddy, R. G., & Praveena, M. T. L. S. (2024, June). Integration of MobileNetV2 for Efficient Prediction of Coffee Leaf Disease in Precision Agriculture. In International Conference on Data Analytics & Management (pp. 405-415). Singapore: Springer Nature Singapore.