# TECH TALK

## ABi-ANNUALMAGAZINEOF

# CSE

**2025-2026 ISSUE-I**




**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**LBRCE(A)**

**Accredited by NAAC with 'A' Grade & NBA (Under Tier - I),**
**An ISO 21001:2018,14001:2015,50001:2018 Certified Institution**
**Approved by AICTE, New Delhi. and Affiliated to JNTUK, Kakinada**
**L.B. REDDY NAGAR, MYLAVARAM, KRISHNA DIST., A.P.-521 230.**

hodcse@lbrce.ac.in,cseoffice@lbrce.ac.in, Phone: 08659-222933, Fax: 08659-222931

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# FOREWORD



DR.K.APPARAO

PRINCIPAL

Department of Computer Science & Engineering involves researching, designing, developing in current trends of computing systems. It gave me great satisfaction to know that department has come up with its own magazine, “TechTalk”. The way they presented it was unique, very creative
and hope it will serve as a motivational and technological source for the students to exhibit their inherent talents and improve their skills. I would like to express my appreciation to whole team members of Tech-Talk including faculty coordinators who
really made it possible.

Congratulate the department of CSE, LBRCE for bringing out the prestigious bi-annual magazine, Tech-Talk. I am sure that the magazine will provide a platform for students and faculty members to expand their technical knowledge and sharpen their hidden literary talent and also strengthen all round development of the students. My congratulations to the editorial board who took the responsibility for the arduous task Dr. D. Veeraiah most effectively.



Dr. S. Nagarjuna Reddy

HOD

## VISION

The Computer Science & Engineering aims at providing continuously stimulating educational environment to its students for attaining their professional goals and meet the global challenges.

## MISSION

- To develop a strong theoretical and practical background across the computer science discipline with an emphasis on problem solving.
- To inculcate professional behavior with strong ethical values, leadership qualities, innovative thinking and analytical abilities into the student.
- Expose the students to cutting edge technologies which enhance their employability and knowledge.
- Facilitate the faculty to keep track of latest developments in their research areas and encourage the faculty to foster the healthy interaction with industry.

# OUTCOME BASED EDUCTION:

Outcome-Based Education means clearly focusing and organizing everything in an educational system around what is essential for all students to he/she able to do successfully at the end of their learning experiences [Spady, William]. This means starting with a clear picture of what is important for students to be able to do, then organizing curriculum, instruction, and assessment to make sure this learning ultimately happens.

The National Board of Accreditation, a body for promoting international quality standards for technical education in India has started accrediting only the programs running with OBE from 2013.

The Computer Science & Engineering (CSE) department offers two programs: Undergraduate program (B. Tech.) and Postgraduate program (M. Tech). As per the NBA guidelines the Program Outcomes (POs) are listed below for the programs.

## PROGRAM EDUCATIONAL OBJECTIVES(PEOs):

**PEO1:** Pursue higher education, entrepreneurship and research to compete at global level.

**PEO2:** Design and develop products innovatively in the area of computer science and engineering and in otherallied fields.

**PEO3:** Function effectively as individuals and even at all the levels with ethics and necessary attitude.

**PEO4:** Serve ever-changing needs of the society with a pragmatic perception.

# PROGRAM OUTCOMES (POs)

## PO1-Engineering knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

## PO2-Problem analysis:

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

## PO3-Design/development of solutions:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental.

## PO4-Conduct investigations of complex problems:

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

## PO5-Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

## PO6-The engineer and society:

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

## PO7-Environment and sustainability:

Understand the impact of the professional engineering solutions in societal 0and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

## PO8-Ethics:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

## PO9-Individual and team work:

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10-Communication:**

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11-Project management and finance:**

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12-Life-long learning:**

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## PROGRAM SPECIFIC OUTCOMES (PSOs):

**PSO1:** The ability to apply Software Engineering practices and strategies in software project development using open source programming environment for the success of organization.

**PSO2:** The ability to design and develop computer programs in networking, web applications and IoT as per the society needs.

**PSO3**: To inculcate an ability to analyze, design, implement database applications.

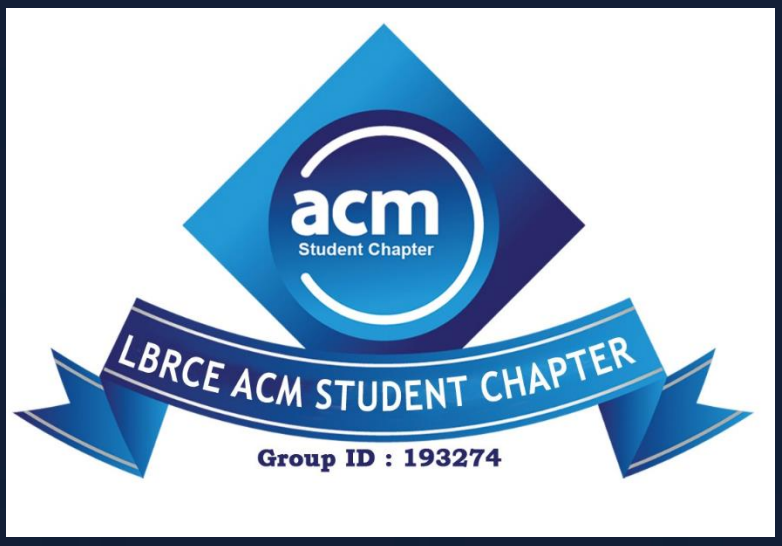
# ABOUT THE DEPARTMENT:

The Department of Computer Science and Engineering at the LBRCE was established in 1998 and offers Undergraduate Programs - B.Tech in CSE, and Post Graduate Program - M.Tech in CSE. The B.Tech (Computer Science and Engineering) program was started in the year 1998 with an intake of 40 students and the intake was subsequently increased to 60 students in the year 1999, 90 students in the year 2008, 120 students in the year 2009, 180 students in the year 2019 and 240 students in the year 2023. The M.Tech (Data Science) was started in the year 2023 with an intake of 06 students. Currently, our institute enabled high speed Internet bandwidth of 1820 Mbps.

# STUDENT CLUBS

- ACM Student Chapter
- Association Club
- Machine Learning Club
- Code Cracking Club
- Quantum Innovation Cell

# ACM STUDENT CHAPTER




A vibrant community of passionate students exploring the world of computing. Encouraging innovation, creativity, and continuous technical learning. Conducting coding events, workshops, seminars, and hackathons. Providing opportunities to improve programming and problem-solving skills. Connecting students with peers, mentors, and the latest technology trends. Together, we **Learn, Innovate, Collaborate, and Lead**.

# ASSOCIATION




Enhancing students' communication, confidence, and presentation skills. Encouraging public speaking, group discussions, and effective interaction. Creating opportunities to improve English fluency and professional skills. Building confident communicators ready to succeed in academics and careers.

# Machine Learning Club

The Machine Learning Club at LBRCE provides a platform for students to explore Artificial Intelligence, Machine Learning, and Data Science. It encourages hands-on learning through workshops, projects, coding activities, and technical sessions. The club helps students develop practical skills, innovative thinking, and problem-solving abilities. It aims to prepare students for emerging technologies and future career opportunities in AI and Machine Learning.

# CODE CRACKING CLUB(CCC)

Enhancing students' coding, logical thinking, and problem-solving skills. Encouraging competitive programming and learning through coding challenges.Organizing coding contests, workshops, and technical activities. Building confident programmers through **Practice, Challenge, and Innovation**..

# QUANTUM INNOVATION CELL

Exploring the exciting world of Quantum Computing,Science,,Technology. Encouraging students to learn, innovate, and explore emerging quantum concepts.Organizing workshops, technical sessions, projects, and knowledge-sharing activities.Building future-ready minds through Innovation, Research, and Discovery.

# STUDENT & FACULTY ARTICALS

Student Articles highlight student perspectives, campus experiences, personal reflections, and creative writing. They allow students to express their opinions, share achievements, and discuss topics like academic life, peer culture, career aspirations, and extracurricular activities.

Faculty Articles showcase academic insights, research summaries, teaching experiences, and professional guidance. Written by educators, these pieces offer expert commentary on industry trends, educational advice, mentoring, and deeper explorations into specific academic fields.

# SMART ATTENDENCE:Revolutionizing Classrooms with Face Recognition

The conventional approaches followed in academic institutions through manual attendance and the use of cards show certain disadvantages such as a lack of efficiency in utilization of time, a chance for proxy attendance and less adaptability under any environmental conditions. As a proposed work, intelligent automation of attendance systems through a strong and more reliable approach of face recognition is implemented for the desired efficiency. The proposed system begins with the enrollment of images of students or members of the institution where suitable images are taken from multiple viewing points regarding the front and both side views of every person, considering the efficiency of handling partial occlusion. On the operating front, the system makes use of a continuous timer based on the Euclidean norm for effective and more efficient attendance. The proposed attendance system is implemented and tested within a classroom environment and the efficiency of the proposed approach demonstrates a much more robust and suitable approach compared to the conventional attendance systems. The proposed system also provides a flexible framework for the integration of more robust soft computing approaches in the future for decision-making purposes.



Harsha-CSE

# AI-Powered Pancreatic Disease Severity Prediction Using Multimodal Deep Learning

Pancreatic diseases require advanced diagnostic evaluation, which extends beyond classical binary- type diagnostics. We propose a model which introduces a novel multimodal deep learning framework for estimating continuous pancreatic disease severity by linking 3D computed tomography (CT) imaging with structured clinical metadata. We propose an architecture that harmoniously integrates a 3D convolutional neural network for volumetric CT feature extraction with a multilayer perceptronnfor clinical feature encoding, which is followed by late fusion andnregression-based severity prediction. Evaluation on the publicly available CPTAC-PDA cohort highlight that the proposed multimodal framework shows excellent, mean absolute error 6.34% and Pearson correlation coefficient of 0.467. The proposed model successfully learns trends of severity progression that are missed by unimodal imaging-only and clinical-only models. This model shows excellent prediction accuracy for mild, moderate and severe cases; extensive qualitative analysis across the spectrum of severity confirms its clinical relevance. This study provides a solid basis for AI-assisted long-term pancreatic disease monitoring, raising the prospect for precision medicine applications.



Bhargav-CSE

# AI-Driven Weed and Pest Detection for Sustainable Maize Farming

Weeds and pests contribute to the major loss in productivity in maize cultivation and are highly economically damaging, affecting food security. The conventional methods of control hinge on the wide application of chemical herbicides and pesticides, which creates environmental pollution, soil degradation, health risks to humans and animals and increases the cost of production. Given the need for sustainable and eco-friendly agricultural practices, this work presents an artificial intelligence based system for automatic detection of weeds and pests in maize fields. This makes for precise and well-targeted interventions.

The proposed approach employs a deep learning object detection model that is trained on field images with the purpose of finding and locating weeds and regions affected by pests with accuracy. Further, enhanced imaging is incorporated into the system inspired by infrared scanning principles that enhance visibility in scenes characterized by poor lighting conditions, dense foliage and partial occlusion to improve detection performance in challenging conditions. Real-time field images are processed by the system; crops and weeds or pests are differentiated and affected areas are marked for selective treatment.

The experimental results show that the proposed model exhibits high accuracy, high speed of processing and reliable performance in complex field environments. The outcomes show a significant reduction in unnecessary chemical application while maintaining effective crop protection. This study shows the potential of artificial intelligence in transforming conventional farming into a safer and more resource efficient practice.



AUTHOR

Mr. S. Srinivasa Reddy

Sr. Assistant Professor

# An Efficient Domain-Adapted Conversational AI System for Insurance Applications

This work examines the rapid expansion of Conversational AI across various sectors, emphasizing strategies to enhance accuracy, reliability, and response control in strictly regulated industries such as insurance. Standard large language models excel in open-ended conversations but frequently generate irrelevant, hallucinated, or unsafe outputs in corporate settings due to a lack of domain-specific constraints. Consequently, tailoring models to specific industries through targeted domain adaptation and strict response controls is essential for building practical, enterprise-grade conversational systems.

To address this challenge, the paper proposes a structured framework for developing a domain-restricted conversational AI by fine-tuning a Gemma-based model on insurance-specific data. The pipeline automatically scrapes text from a curated list of insurance websites, processes and cleans the data, and structures it into high-quality question-answer pairs covering core concepts such as policies, premiums, claims, coverage, and benefits. These pairs are subsequently formatted for supervised fine-tuning to train instruction-following language models effectively.

To maintain resource efficiency, the framework implements parameter-efficient fine-tuning via LoRA combined with 4-bit quantization, significantly lowering memory consumption and training costs for deployment in constrained hardware environments. Strict domain boundaries are enforced through system-level prompting and keyword filtering, enabling the system to address insurance inquiries while rejecting off-topic prompts. Evaluated through predefined test queries and a real-time Gradio interface, the proposed method demonstrates improved domain relevance, operational safety, and response consistency.



AUTHOR

D. Anil kumar

Sr. Assistant Professor

# Multi-Modal Deep Learning Approach for Real-Time Detection of Plant Nutrient Deficiencies

Nutrient deficiencies in plants significantly affect crop growth, productivity, and overall agricultural sustainability. Early and accurate identification of nutrient deficiencies is therefore essential for effective crop management and timely intervention. This research proposes a flexible deep learning framework for automated plant nutrient deficiency detection by integrating multiple data modalities, including plant images and symptom descriptions provided through text and audio. The framework aims to improve the reliability of deficiency identification under diverse real-world agricultural conditions.

The proposed approach employs and compares several deep learning architectures, including LeNet, MobileNetV1, AlexNet, ResNet, and GoogleNet, for image-based nutrient deficiency classification. In addition to visual information, textual and audio descriptions of plant symptoms are incorporated to provide complementary evidence for the detection process. Combining these different sources of information enables the system to make more informed predictions and improve its robustness when visual symptoms alone may be insufficient. The framework also generates targeted treatment recommendations based on the identified nutrient deficiency, supporting farmers in taking appropriate corrective actions.

Experimental results demonstrate that the proposed multimodal framework achieves strong accuracy and reliable performance across different testing scenarios. The integration of image, text, and audio information enhances the system's ability to identify nutrient deficiencies and provide practical recommendations. The proposed solution can serve as an effective tool for real-time crop monitoring and precision agriculture, helping farmers reduce crop losses, improve nutrient management, and promote sustainable farming practices.



AUTHOR

G.V.RAJYA LAKSHMI

Sr.Assistant Professor

# ADVANCED LABS IN CSE





1. DATA ANALYTICS LAB
2. IT WORKSHOP LAB
3. WEB ENGINEERING LAB
4. DATABASE INNOVATION LAB
5. COMPUTATIONAL ENGINEERING LAB
6. NETWORKS & SYSTEMS LAB
7. SOFT COMPUTING LAB
8. CISCO NETACADEMY LAB

# DATA ANALYTICS LAB

This center is used for importing practical experience to students in the areas of Data engineering CASE tools, OOP, networking. The facility is also used by students to access internetand digital library facilities.



| Name | DATA ANALYTICS LAB |
|---|---|
| HARD DISK | 1TB HDD |
| RAM | 8GB DDR4 RAM |
| PROCESSOR | i5 9th Generation |
| TOTAL No. Of SYSTEMS | 73( Lenovo ) |

# IT WORKSHOP LAB

The basic programming skills are imparted to the students from this laboratory. All the entry level students are trained in writing computer programs for problem solving. Getting acquainted with operating system environment, hardware components and installation procedures are some other objectives met with this facility.

| Name | IT WORKSHOP LAB |
|---|---|
| HARD DISK | 500GB HDD |
| RAM | 4GB DDR3 RAM |
| PROCESSOR | i3 9th Generation |
| TOTAL No. Of SYSTEMS | 74( Dell ) |



# WEB ENGINEERING LAB

The Web Engineering Lab's objective is to provide students with a systematic approach to develop deep understanding of web technologies by providing hands on experience.



| Name | WEB ENGINEERING LAB |
|---|---|
| HARD DISK | 512GB SSD |
| RAM | 16GB RAM |
| PROCESSOR | i5 12th Generation |
| TOTAL No. Of SYSTEMS | 76( Lenovo ) |

# DATABASE INNOVATION LAB

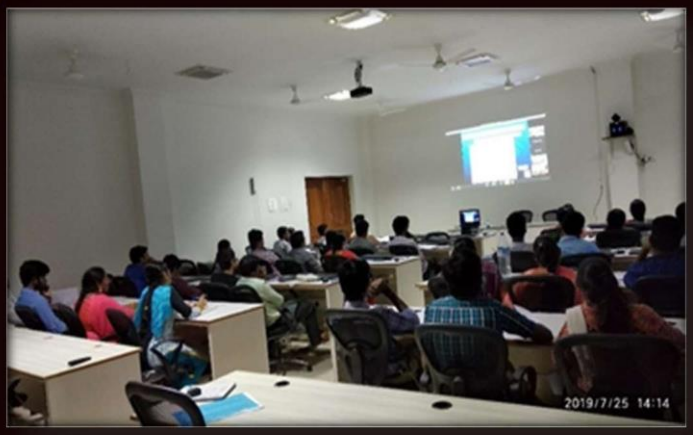
Database innovation lab objective is to provide a cutting-edge learning environment for students, focusing on advancing database technology, optimizing performance, and ensuring data security. Students gain hands-on experience in developing innovative solutions for real-world data challenges.

| Name | DATABASE INNOVATION LAB |
|---|---|
| HARD DISK | 512GB SSD |
| RAM | 16GB RAM |
| PROCESSOR | i5 8th Generation |
| TOTAL No. Of SYSTEMS | 79( HP ) |



# COMPUTATIONAL ENGINEERING LAB

Computational engineering lab objective is to provide a cutting-edge learning environment for students to apply computational methods, tools, and techniques to solve engineering problems and advance the field of engineering through simulation, modelling, and data analysis.

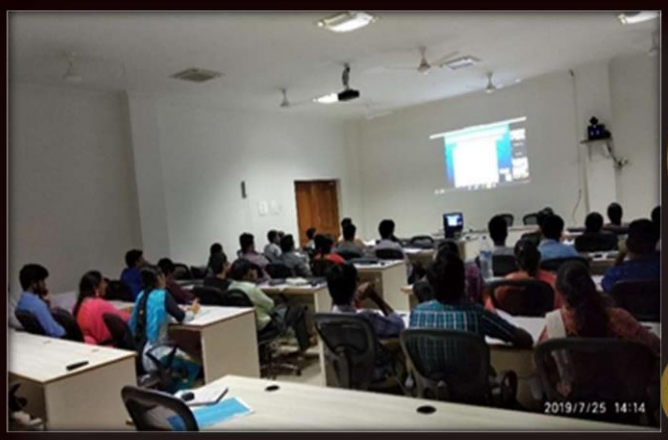



| Name | COMPUTATIONAL ENGINEERING LAB |
|---|---|
| HARD DISK | 512GB SSD |
| RAM | 16GB RAM |
| PROCESSOR | i5 12th Generation |
| TOTAL No. Of SYSTEMS | 69( HP ) |

# NETWORKS AND SYSTEMS LAB

The objective of this laboratory in CSE department is to understand the basics of Computer Networks and Operating Systems implementation details. The student will learn tools and techniques. This lab mainly focuses on to re-enforce the theoretical knowledge learned from classroom lectures with hands-on experience and vice-versa.

| Name | NETWORKS AND SYSTEMS LAB |
|---|---|
| HARD DISK | 37-500GB HDD, 35-1TB HDD |
| RAM | 37-16GB RAM, 35-8GB RAM |
| PROCESSOR | i5 8th Generation |
| TOTAL No. Of SYSTEMS | 72( 37-ACER, 35-Lenovo) |



# SOFT COMPUTING LAB

Soft computing helps users to solve real-world problems by providing approximate results that conventional and analytical models cannot solve. It is based on Fuzzy logic, genetic algorithms, machine learning, ANN, and expert systems.



| Name | SOFT COMPUTING LAB |
|---|---|
| HARD DISK | 512GB SSD |
| RAM | 16GB RAM |
| PROCESSOR | i5 12th Generation |
| TOTAL No. Of SYSTEMS | 35( Lenovo ) |

# NET ACADEMY LAB

In this lab we will connect different local area networks routers on Cisco Packet Tracer.

| Name | NET ACADEMY LAB |
|---|---|
| HARD DISK | 512GB SSD |
| RAM | 16GB RAM |
| PROCESSOR | i5 12th Generation |
| TOTAL No. Of SYSTEMS | 35( Lenovo ) |



# Workshop On MERN Stack Technologies

**Resource Person:** Mr. R. Abhishek, Technical Lead

**Name of The Organization:** Dept. of CSE, LBRCE

**Event Date:** 24-06-2024 to 13-07-2024 (3 Weeks)

## About The Event:

Lakireddy Bali Reddy College of Engineering (A) has organized This program is designed to train and develop III Year students of CSE, AI&DS and CSE (AI&ML) to provide the concepts MERN Stack Technologies - MongoDB, Express js, React js and Node js to build the Web Applications using JavaScript. The course covers How MERN help developers to build applications faster using JavaScript and MERN is idle for developers who wants to use a single language for both Frontend and Backend of their applications.



# Three-Week Training Program on Amazon Cloud Practitioner Certification

**Resource Person:** Ms. Siri Chakkala, Mr. Surya, Mr. Sunder Rajini

**Name of The Organization:** Dept. of CSE, LBRCE

**Event Date:** 23-06-2025 to 12-07-2025

## About The Event:

The primary objective of the Three-week Training Program on Amazon Cloud Practitioner Certification is to equip participants with fundamental knowledge of cloud computing concepts, AWS core services, pricing models, security practices, and architectural principles. The training aims to prepare learners for the AWS Certified Cloud Practitioner examination, enabling them to gain a globally recognized credential. Additionally, the program focuses on enhancing participants' understanding of cloud adoption strategies, cost optimization, and industry best practices, thereby strengthening their technical foundation for advanced cloud learning and real-world applications.



# Industry Readiness Program-Mock Interview Sessions

**Resource Person:** Mr. Bharadwaj Sai Golla, Full Stack Developer, Sureify

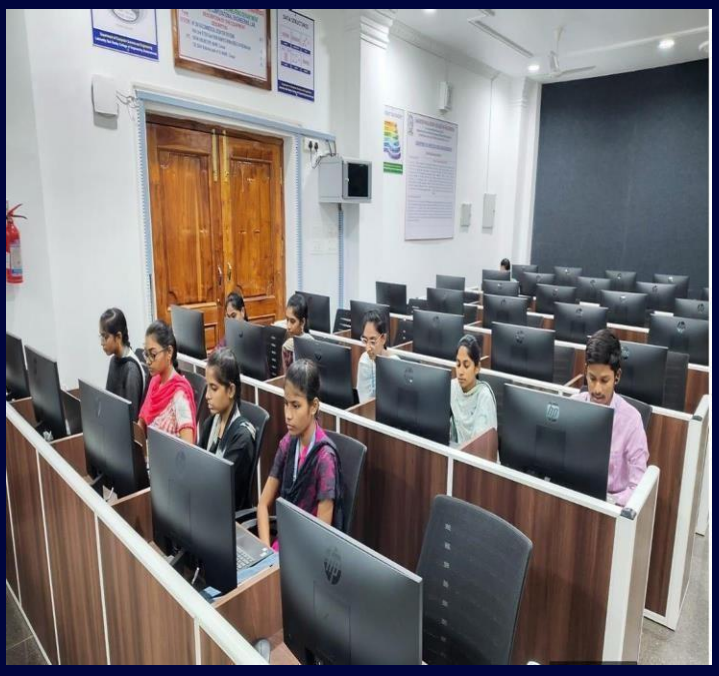
**Alumni:** Mr. Pavan Kumar Sasanala, Senior Software engineer, CBA

**Name of The Organization:** Sureify

**Event Date:** 23/07/2025 to 26/07/2025

## About The Event:

The primary objective of this event was to thoroughly prepare students for upcoming interviews. The preparation process commenced with a rigorous coding round, featuring a diverse set of challenges: one basic, two medium, and two hard-level scenarios. Out of 176 eligible students for the Campus Recruitment Training (CRT), 60 successfully cleared this initial round for Phase 1 Mock Interviews. This exercise provided students with a clear understanding of their current level of preparedness for placement activities. While a significant number of students demonstrated strong readiness for placement drives, the results also highlighted the need for further intensive training in Data Structures and Algorithms (DSA) for a subset of students to ensure their optimal performance in future drives



# Six-Week Workshop On Service Now-Certified Applications Developer (CAD)

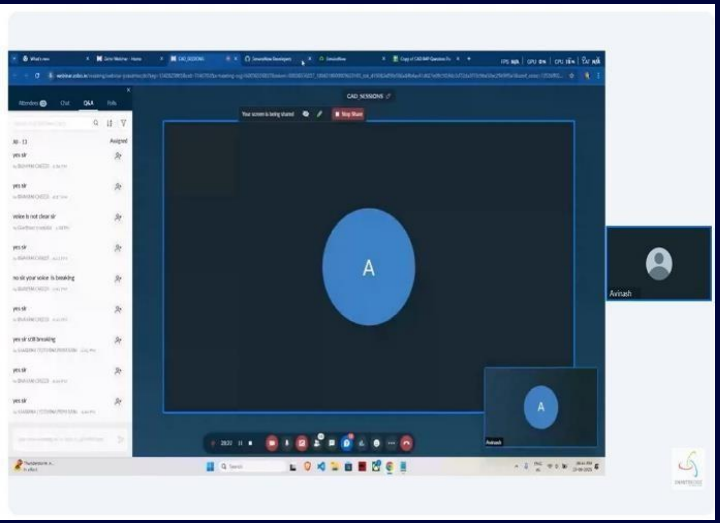
**Resource Person:** Mr. Prashanth, Mr. Vaishnavi, Mr. Avinash, Mr. Srinu

**Name of The Organization:** Smart Bridge

**Event Date:** 18-08-2025 to 27-09-2025

## About The Event:

The **Six-Week Workshop on "ServiceNow – Certified Application Developer (CAD)"** aims to equip participants with comprehensive knowledge and practical skills in developing applications on the ServiceNow platform. The primary objective is to familiarize students with the platform's architecture, tools, and best practices for creating custom, scalable, and efficient enterprise applications. Through hands-on sessions, participants gain experience in scripting, workflows, UI design, and automation within ServiceNow. The workshop also focuses on preparing learners for the **ServiceNow Certified Application Developer (CAD)** certification by providing exposure to real-world problem-solving and project-based learning. Overall, it bridges the gap between theoretical understanding and industry-oriented application development, empowering participants to build innovative solutions on the ServiceNow ecosystem.



# A Two-Week Training Program on MERN Stack Technologies

**Resource Person:** Mr. R. Abhishek Executive Director at Skelo

**Name of The Organization:** Dept. of CSE, LBRCE

**Event Date:** 01-09-2025 To 13-09-2025

## About The Event:

The main objective of this event is to provide hands-on training and skill development in MERN (MongoDB,Express.js,React.js, and Node.js) Full Stack Technologies. This program aims to:

- Enhance students' and participants' knowledge of modern web development frameworks.
- Equip participants with practical skills in building full-stack applications.
- Bridge the gap between academic learning and industry requirements.
- Enable participants to become ready in full-stack development.



# 8 Hours Hackathon On MERN Full Stack Technologies

**Resource Person:** Mr. R. Abhishek Executive Director at Skelo

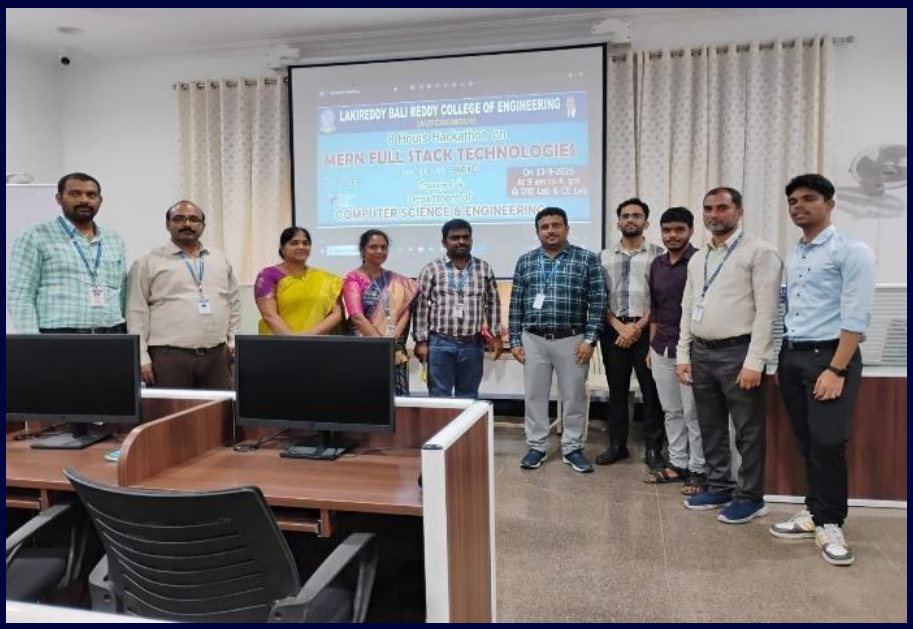
**Name of The Organization:** Dept. of CSE, LBRCE

**Event Date:** 13-09-2025

**About The Event:**

To apply MERN stack technologies in developing full stack applications.

- To encourage team-based problem solving and collaboration.
- To provide students with industry-oriented tasks under expert guidance.
- To build front-end, back-end, and integration skills in a limited timeframe.
- To foster innovation and competitive spirit through evaluation and recognition.



# Poster Presentation-Techno Vision 2k25

**Resource Person:** Ms. B. Swathi, Mr. D. Anil Kumar, Mr. M. Kiran Kumar, Mr. A. Koteswara Rao
**Name of The Organization:** Dept. of CSE, LBRCE
**Event Date:** 15-09-2025

## About The Event:

The Poster Presentation was organized to provide students with a platform to visually communicate their innovative ideas and research findings. The main objectives were to:

- Enhance students' ability to present technical concepts concisely and effectively.
- Encourage creativity and innovation in addressing real-world challenges.
- Promote awareness of social and environmentally relevant applications of Computer Science.
- Celebrate Engineers' Day by showcasing the role of engineers as problem-solvers and innovators.



# Guest lecture on
# Formal Language & Automata Theory in NLP Applications

**Resource Person:** Dr. Jagan Mohan Reddy Danda, Ex-Employee, Cisco Systems

**Name of The Organization:** GRIET, Hyd

**Event date:** 24-10-2025

## About The Event:

The objective of Formal Language and Automata Theory (FLAT) in Natural Language Processing (NLP) is to provide a strong theoretical foundation for understanding and processing human languages using computational models. It focuses on representing the grammatical structure of natural languages through formal grammars such as context-free grammars and recognizing valid linguistic patterns using automata like finite automata and pushdown automata. These concepts help in developing algorithms for tokenization, parsing, and syntax analysis, which are essential for language understanding and translation task.



# Guest lecture on Data Analytic

**Resource Person:** Mr. Suresh Kandula

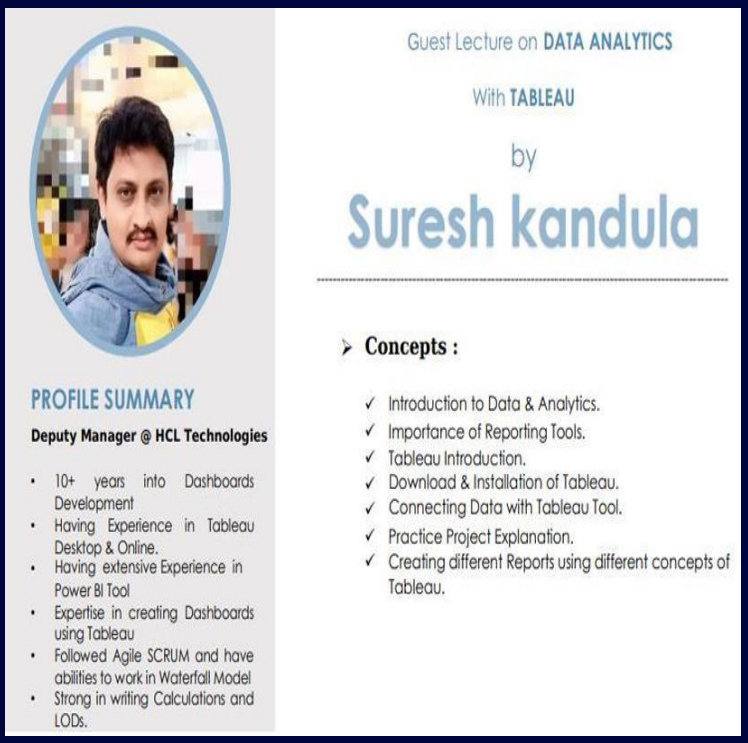
**Name of The Organization:** Dept. of CSE, LBRCE

**Event date:** 01-11-2025

## About The Event:

The main objectives of organizing the guest lecture on Data Analytics were:

- To enhance students' understanding of the concepts and practical applications of Data Analytics within the scope of Data Mining.
- To provide insights into the latest tools, technologies, and methodologies used in the data analytics domain.
- To bridge the gap between academic knowledge and industrial practices in handling and analyzing large datasets.
  To motivate students to pursue research and career opportunities in data analytics and related fields



# Industrial Visits and Excursion

## IIT Madras Chennai

At IIT Madras, we visited the Computer Science and Engineering Department, Robotics Lab, and AI Research Centre. Professors and research scholars demonstrated ongoing projects in areas such as machine learning, quantum computing, and sustainable AI systems. Students were briefed on research methodologies, innovation labs, and startup incubation facilities at the IITM Research Park.




## INDUSTRIAL VISIT AND EXCURSION

As part of our academic curriculum, the Department of Computer Science and Engineering organized an Industrial Visit and Educational Excursion to Infosys Campus, Mysore and Visvesvarayya Technological Museum Bangalore from 16th to 18th October 2025. The primary aim of this visit was to provide students with a deeper understanding of real-world industrial and research practices in the IT sector and to gain insight into advanced technologies and innovations.



# PUBLICATIONS

## Journals (WoS/SCI/SCOPUS/SCIE)

### SCIE-02

1. Pratap Kumar Dakua,Rajib Kumar Dash,Banda Saisandeep,Subba Rao Polamuri,I Lakshmi Manikyamba Hari Jyothula S. Nagarjuna Reddy , Ch V. Sivaram Prasad f,Kumar Neupane, Modeling and analysis of an environmentally friendly CuBi2O4 solar cell with advanced n/p/p+ architecture, Journal of Physics and Chemistry of Solids,(Impact factor :4.9,Q1),Volume 208, Part 2, January 2026,113227.

   https://doi.org/10.1016/j.jpcs.2025.113227

2. Venkata Ramana Gupta N Amrita Rai, S. Thangam ,G. Joel Sunny Deol , Abburi SriramaKanaka Ratnam ,J.Nageswara Rao ,A.Santhi,Mary Antony ,K. Balasubram anian Shamimul Qamar,. Blockchain-enabled IoT framework with energy- efficient machine learning for scalable and secure smart cities, Sustainable Computing: Informatics and Systems, Volume 48, December 2025, 101212, ISSN: 22105379,(Impactfactor:1.02,Q1). https://www.sciencedirect.com/science/article/abs/pii/S2210537925001337?via%3Dihub

SCOPUS-11

1. Jyothi P, Divya Kumari Tankala, Rajesh Kumar A, S. Nagarjuna Reddy , Nagendar Yamsani and Jyotsna Devi Kosuru S N V, A Smart Shopping System for Modern E-Commerce Applications, Journal of Machine and Computing, VOL:5, Issue:4, pg.no: 2734-2755,2788-7669, 2789-1801, Available online 05 October 2025 https://doi.org/10.53759/7669/jmc202505209

2. Ramesh Babu P, Ramakrishna B, Veeraswamy P, Medikonda Asha Kiran, Garlapati Narayana, Solleti Phani Kumar "Knowledge-Infused Transformer For Aspectbased Sentiment Analysis Using Conceptnet And Senticnet With Cross- Domain Generalization", Journal of Theoretical and Applied Information Technology, 15th August 2025. Vol.103. No.15,ISSN:1992-8645,E-ISSN:1817-3195. https://www.jatit.org/volumes/Vol103No15/28Vol103No15.pdf

3. Putta Durga,Ganta Srilakshmi,Regandla Triveni,Nadakuditi Venkata Padmavathi,Geetham Jyostna,Exploring Blockchain Technology: An Introductory Perspective on Its Role in Healthcare, International Journal of Basic and Applied Sciences, vol:14, issue: 4(2025), pgno. 773-785, Date: 28/08/2025, ISSN: 2227-5053.https://doi.org/10.14419/6xkkem36

4. Dr. G V Suresh, GVS Raju., Hari K. Madiraju., Mohammed Sajeena, "Advancing Cervical Cancer Detection and Early Diagnosis with Resnext- Based Transfer Learning ",Journal of Theoretical and Applied Information Technology, Vol.103. No.17, Issue.No: 1992-8645, 6683, 15-09-2025, ISSn.No:1817-3195,(Q4)
   https://www.jatit.org/volumes/Vol103No17/14Vol103No17.pdf

5. Dr.K. Venkatrao, Kareemulla Shaik, "Innovative passwordless authentication approaches in IoT identity management", Majlesi Journal of Electrical Engineering, Vol.No: 19, Issue number: 2, (Q4), 01-06-2025, DOI: https://doi.org/10.57647/j.mjee.2025.1902.44

6. T. V. K. P. Prasad, Sri Lekha Bandla, N. Srikanth, Kavya Ramya Sree, Inakollu Aswani, Pamula Udayaraju, Boddu L V Siva Rama Krishna , "Prediction Of Non- Alcoholic Fatty Liver Disease (Nafld) Using Dna Pathological Data And Support Vector Machines", Journal of Theoretical and Applied Information Technology, Vol.103. No.14,Issue.No: 1992-8645, Pg.No: 5042, 31-07-2025, ISSN:No: 1817-3195(Q4) https://zenodo.org/records/18105301

7. Gayatri Ketepalli, srikanth yadav . M, K. N. S. Lakshmi, Saranya Eeday, **Bharthavarapu Nirosha**, Ragam Padmaja, **"A Hybrid Intrusion Detection Model Using LSTMAE and LightGBM for Robust Anomaly Detection in Network Systems"** International Journal of Basic and Applied Sciences, VOL NO. 14 No. 5 (2025), 2227-5053, pg.No: 912, 29-09-2025, 2227-5053, (Yet to be preceedings)**(Q3)**
   https://www.sciencepubco.com/index.php/IJBAS/article/view/35623

8. Saiprasad Potharaju , Swapnali N. Tambe , Kishore Dasari, **N. Srikanth**, Rampay Venkatarao, Sagar Tambe **"Enhanced X-ray image classification for pneumonia detection using deep learning based CBAM and SE mechanisms**", Intelligence- Based Medicine, Vol.No: 100299, Volume 12, 2025, pg.No: 1, 30-09-2025,26665212 **(Q2)**
   https://www.sciencedirect.com/science/article/pii/S2666521225001036?via%3Dihub

9. **Meriga Kiran Kumar,** P. Neelima, Katheeja khanam Pathan, B.Rama Subba Reddy, B Sreedhar, M. Sunil Kumar, **"Automating Malaria Diagnosis from Blood Smear Images Using Deep Transfer Learning",** International Journal of Environmental Sciences, Vol.No: 11, Issue No : 22, Pg.No:1240,20-08-2025,22297359**(Q3)**
   https://theaspd.com/index.php/ijes/article/view/7452

## Conference Proceedings-09

1. **Dr. D. Veeraiah;** Shaik Johny Basha; K. Bindusha; K. Tejaswini; R. Kiranmai **"Smart Traffic Management Deep Reinforcement Learning for Signal Optimization Using SUMO",** 2025 6th International Conference on Inventive Research in Computing Applications (ICIRCA), Date of Conference: 25-27 June 2025, Conference Location: Coimbatore, India, ISBN:979-8-3315-2143-1.
   DOI: 10.1109/ICIRCA65293.2025.11089921

2. B. Panduri, N. Vullam, R. S. S. R. Battula, V. D. Babu, Dr. **Venkata Subhaiah D** and A. Lakshmanarao, "**Food Classification Using a Hybrid Framework with Transfer Learning and Machine Learning Models",** 2025 International Conference on Advances in Modern Age Technologies for Health and Engineering Science (AMATHE), Shivamogga, India, 2025, 22-07-2025, 57221661594, 10.1109/AMATHE65477.2025.11081177,
   https://ieeexplore.ieee.org/document/11081177

3. Kallepalli Rohit Kumar; Ranjith Kumar Chinnam; **Venkata Subbaiah Desanamukula**; Ajahar Ismailkha Pathan; Naladi Ram Babu; G. Charles Babu **"Multi-Model News Classification using BERT Features and Class-Balanced Resampling Techniques",**2025 3rd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), Date of Conference: 06- 08 August 2025, Conference Location: Erode, India, Electronic ISBN:979-8-3315- 1250-7, ISBN:979-8-3315-1251-4. DOI: 10.1109/ICSCDS65426.2025.11167483

4. **Dr.Kommuri Venkatarao**; Manimala Vyasa Rama Surya Kumar; Gade Lakshmi Prasanna; Sandadi Vamsi Krishna Reddy**, "Deep Learning-based Recognition of Bacterial Brain Abscesses: A Comprehensive Approach Towards Brain Disease Detection",** 2025 International Conference on Machine Learning and Autonomous Systems (ICMLAS), 10-12 March 2025, Prawet, Thailand, Electronic ISBN:979-8- 3315-0574-5, 10.1109/ICMLAS64557.2025.10968424

5. **T. N. V. S. Praveen**; U Sruthi; B Rupa Sri; M Durga Sravani, "**An Intelligent Deep Learning Model for XSS Attack Detection using Enhanced LSTM",** 2025 International Conference on Innovations in Intelligent Systems: Advancements in Computing, Communication, and Cybersecurity (ISAC3), Date of Conference: 25- 26 July 2025, Date Added to IEEE Xplore: 15 September 2025, Conference Location: Bhubaneswar, India, Electronic ISBN:979-8-3315-3279-6, Print on Demand(PoD) ISBN:979-8-3315-3280-2.
   DOI: 10.1109/ISAC364032.2025.11156304

6. **Koteswara Rao**; Taruni Gundala; P. Geetha Sowjanya; Ramitha Goli; T. Sai Yashwanth, **"Identification and Classification of Medicinal Plants Using Resnet V2 CNN Architecture"**, 2025 3rd International Conference on Inventive Computing and Informatics (ICICI), Date of Conference: 04-06 June 2025, Conference Location: Bangalore, India, ISBN:979-8-3315-3831-6. July-2025
   DOI: 10.1109/ICICI65870.2025.11069475

7. Ravi Kumar Saidala; Nagaraj S; **Kopparavuri Eswaree Devi**; K. Niveditha; K. Vijay Babu; Megha M **"Assessing the Importance and Pertinence of Cybersecurity Content via Textual Similarity and a Cybersecurity Knowledge Graph"**, 2025 3rd International Conference on Communication, Security, and Artificial Intelligence (ICCSAI), Date of Conference: 04-06 April 2025, Conference Location: Greater Noida, India, ISBN:979-8-3315-3608-4, July-2025.
   DOI: 10.1109/ICCSAI64074.2025.11063758

8. **Y. V. Bhaskar Reddy;** G. Navya Sri; B. Usha Sravanthi; K. Siva Gopi**, "Real-time Speech Emotion Detection in Employees using Multimodal Emotion Recognition",** 2025 International Conference on Innovations in Intelligent Systems: Advancements in Computing, Communication, and Cybersecurity (ISAC3), Date of Conference: 25-26 July, 2025, Conference Location: Bhubaneswar, India, Published:15-09-2025,ISBN:979-8-3315-3280-2. 10.1109/ISAC364032.2025.11156447

9. **Narisetty SrinivasaRao**, Bogireddy Saipriya, Jamalapurapu Naveen, Gopichandh Gopichandh, **"Deep Learning Insights for MRI-Based Brain Disease Classification and Paralysis Prediction"**, 2025 2nd International Conference on Trends in Engineering Systems and Technologies (ICTEST), Date of Conference: 03-05 April 2025, Date Added : 24 June 2025, Conference Location: Ernakulam, India, **Electronic ISBN:**979-8-3315-0537-0,**Print:**979-8-3315- 05387
   https://doi.org/10.1109/ICTEST64710.2025.11042852

# Journals (WoS/SCI/SCOPUS):

## SCIE -03

1. **Dr. Surla Govindu**, O. Rama Devi, M. Sitharam, Venkatesh Koreddi, Meriga Kiran Kumar, M. Sunitha, "**Cutting-edge CNN-based skin cancer detection with batch normalization and advanced imbalance learning for superior medical image classification",** Biomedical Signal Processing and Control, Vol.No: 11, Issue Number: 108929, Pg.No:1, 01-12-2025, ISSN No. 1873-4405, Print ISSN No: 1746-8094**(Q1)**
   https://doi.org/10.1016/j.bspc.2025.108929

2. **Dr. Sunilkumar Ketineni,** Dr. Sheela Jayachandran, **Hierarchical Attention Multi Model Deep Learning for Multi Document Summarization**, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Vol. 34, Issue No. 2 (2026), ISSUE.No:221, 01-11-2026, 1793-6411**(Q3)**
   DOI: 10.1142/S0218488526500108

3. A. Divya, S. Ramesh, Sadashiva V. Chakrasali, **Meriga Kiran Kumar**, Mohammad Taj, Rajendra Kumar Ganiya, **J. Nageswara Rao**, Balasubramanian K, Shamimul Qamar**, "Federated digital-twin–empowered blockchain architecture for autonomous and resilient smart water management in sustainable cities",** Sustainable Computing: Informatics and Systems, Volume 50, June 2026, ISSN:22105379 **(Q1),**
   **Impact factor:1.02.** https://doi.org/10.1016/j.suscom.2026.101303

## Scopus Papers –05

1. Jyothi P, Divya Kumari Tankala, Rajesh Kumar A, **Dr.S. Nagarjuna Reddy** , Nagendar Yamsani and Jyotsna Devi Kosuru S N V, **A Smart Shopping System for Modern E-Commerce Applications,** Journal of Machine and Computing, VOL:5, Issue:4, pg.no: 2734-2755,2788-7669, 2789-1801, Available online 05 October 2025,. https://doi.org/10.53759/7669/jmc202505209

2. Divya Kumari Tankala, A. Rajesh Kumar, **Dr.S. Nagarjuna Reddy**, P Jyothi, Elangovan Muniyandy, **"Edge-Optimized Embedded System for Low-Latency Fault Detection in Electrical Grids",** SSRG International Journal of Electrical and Electronics Engineering, Vol.No: 12, Issue No: 11, Pg.No: 207, 28-11-2025, E-ISSN: 2348-8379, 2349-9176**.( Q4)**

   https://www.scopus.com/authid/detail.uri?authorId=56923789000

3. Shaik Johny Basha**, Dr. D. Veeraiah,** Sumalatha Lingamgunta, **"AQU-IMF-RFE: an extended feature selection method for intrusion detection in IoMT data using aquila optimization-based mutual information and recursive feature elimination",** Discover Internet of Things, Volume 5, article number 121, (2025), Published: 29 October 2025, ISSN No. 27307239, (Q2, 0.79)https://link.springer.com/article/10.1007/s43926-025-00211-8, https://doi.org/10.1007/s43926-025-00211-8

4. Santhosh Kumar, Ravindra**, Dr.K. Venkatrao**, Maheswari, Rameshwaraiah Kurupati , **"Enhancing Student Performance Insights Through Multi Parametric STBO Based Analysis in Engineering Education",** International Journal of Modern Education and Computer Science (IJMECS), Vol.No: 17, Issue No: 5, pg.no: 77, Date of Published: 08-10-2025, **(Q2)**https://doi.org/10.5815/ijmecs.2025.05.05,
https://www.scopus.com/authid/detail.uri?authorId=58599526600

5. Desidi Narsimha Reddy**, Swathi B,** Janjhyam Venkata Naga Ramesh, G Satyanarayana Murthy, Nallathambi Srija, Sarihaddu Kavitha**, "Intelligent route optimization for internet of vehicles using federated learning: promoting green and sustainable IoT networks"**, IAES International Journal of Artificial Intelligence (IJ-AI), Vol No:14, Issue No: 6,Pg.No: 5049, Date of Published: 06-12-2025,E-ISSN:2252-8938,Print-ISSN: 2089-4872,(Q2,)DOI:10.11591/ijai.v14.i6.pp5049-5057.
https://ijai.iaescore.com/index.php/IJAI/article/view/26946/14880

# RESEARCH & DEVELOPMENT

## Sponsored Research & Consultancy

| S.No | Faculty with Designation | Title of the Proposal | Funding Agency Scheme | Amount Sanctioned & Date | Amount received in Rs. & Date | Duration & Status |
|---|---|---|---|---|---|---|
| **1.** | Dr. G.V. Suresh | "Level 4 Autonomous Night Patrolling Robot for Late Night Crime Monitoring and Live Streaming" | LBRCE | 26-Jul-24 | 205,300/- | Sanctioned & Ongoing |
| **2.** | Ms.B.Swathi | Abusive Social Media Comments Detection Telugu language using deep learning transformer models: Corpus generation and evaluation | LBRCE | Nov 2024 | 2,20,437/- | Sanctioned & Ongoing |
| **3.** | Dr. K. Devi Priya<br>Dr. B. Siva Rama Krishna | IoT Integrated system for Gas Leak detection and threat Zone Identification and method Employed thereof | MSME | June-2025 | 15,00,000/- | Sanctioned |

# Books/Book Chapters

| S.No | Authors | Title Of The Book | Publisher | Published Date | Isbn |
|---|---|---|---|---|---|
| 1. | Usha Rani Bajjuri, Rajya Lakshmi Davuluri. | Gesture Driven Ai Virtual Mouse: Revolutionizing Human Computer-Interaction With Computer Vision((Id:01.Gijet .11.2.543) Volume-11,Issue-0211,ISSUE02 | Grenze Publisher | July-2025 | 2395-5295(Online); 2395-5287(Print) |
| 2. | **K. Devi Priya**, Kamparapu V. V. Satya Trinadh Naidu, V. Chandra Kumar, Anusuri Krishna Veni, Sudipta Banerjee, M. V. Rajesh & K. Bhanu Rajesh Naidu | Exploring The Efficacy Of Machine Learning Algorithms Across Diverse Feature Selection Strategies In Rice Classification Tasks | Applications Of Fuzzy Logic In Decision Making And Management Science(Spri nger-Publication) | 20-05-2025 | 978-3-031-77719-6 |
| 3. | Dr. V. Elanangai, Dr. Abdul Saleem Penna Akbar, Mr. Rambabu Inaganti, Mrs. **M. Baby Anusha**, Ramana Kumar M | Ai In Iot: Unlocking The Ai In Iot: Unlocking The Future Of Autonomous And Future Of Autonomous And Intelligent Systems Intelligent System | Scs Publication | July 2025 | 978-93-6096-483-2 |
| 4. | **Dr. Duggineni Veeraiah,** Dr. P. Mano Paul, Sama Mineesha, A. Rahila Banu | Deep Learning Techniques | Zenodo, BR Publisher | 7- 10-2025 | 978-81-993608-5-3 |
| 5. | **K. DeviPriya**, K. V. V. S. Trinadh Naidu, V. Chandra Kumar, Subrata Jana, Biswadip Basu Mallik, K. Bhanu Rajesh Naidu, M. V. Rajesh | Advancing Women Health: Detecting Polycystic Ovary Syndrome through Machine Learning | Advanced Mathematics in Computing, Communication and Security(Wiley-publications) | 05-12-2025 | 9781394307302 |
| 6. | Puppala Naga Sravanthi,**Kiran Kumar Meriga** | Supply Chain Management for Sustainable Food Production Using the Analytic Hierarchy Process | Multi-Criteria Decision Making Methods and Sustainable Applications in the Digital Age | 12-11-2025 | 9798369387917 |

# Patents

| S.No | Patent Title | Applicants/ Inventors | Patent No | Published Date |
|---|---|---|---|---|
| 1. | Artificial Intelligence Based Heart Rate Monitoring Device For Sports Training | **Dr. Duggineni Veeraiah**, Dr. G. Ganesh Kumar, Dr. Manoj Kumar Tiwari , Dr.M.Ramakrishnan , Dr. Aniruddha Subhashchandra Rumale, Dr. Shailaja Nilesh Uke, Dr.R.E.Ugandar , Dr.K.Akila | 461012-001 | 02/06/2025 |
| 2. | System And Method For Automated Cybersecurity Threat Detection And Mitigation Using Artificial Intelligence | Dr. G. Syam Prasad Siva Naga Prasad Gudise Suresh Kumar Sk. Ahmad Mohiddin Md. Ahmed **A. Koteswara Rao** K. Venkateswara Rao Dr. K. Narasimha Peddini Suresh Kumar P. Ashok Kumar Jonnalagadda V N Raju A. Karna Rao | 202541083617A | 19-09-2025 |
| **3.** | Blue Monkey Integrated Coot Optimization With Hierarchical Attention Multimodal Deep Learning For Multi-Document Summarization | **Sunilkumar Ketineni** Chilakalapudi Malathi Sheela Jayachandran | 202541068474 | 25-07-2025 |
| 4. | Early Plant Leaf Disease Detection Using Cfsa-Optimized Cnn With Transfer Learning | Chilakalapudi Malathi **Sunilkumar Ketineni** Sheela Jayachandran | 202541068597 | 25-07-2025 |

| S.No. | Patent Title | Applicants/ Inventors | Patent No. | Published Date |
|---|---|---|---|---|
| 1. | MACHINE LEARNING–BASED ADAPTIVE FRAMEWORK FOR ENHANCING EFL LEARNERS' READING SKILLS IN HIGHER EDUCATION | **1) Duggineni Veeraiah**<br>2) Dr. K. Makeshwari<br>3) Thanga Kumaran M<br>4) Chandrasekar P<br>5) Mrs. P. Umamaheswari<br>6) Gracelin Sheena B<br>7) M. Keerthipriya<br>8) Dr. Soumitra Mondal<br>9) B Abdul Gaffur<br>10) Ashish Tripathi<br>11) R. Leelavathi<br>12) Dr. Animesh Kumar Sharma | 202541093228A | 31/10/2025 |
| 2. | A SYSTEM AND METHOD FOR SECURE MULTI-USER ACCESS IN VIRTUALIZED CLOUD ENVIRONMENTS USING ROLE- BASED ENCRYPTION | 1) Dr. Kalyankumar Dasari<br>2) Mrs. Swetha Gadde<br>3) Mr. S Krishna Sakalabattula<br>4) **Mrs. Bajjuri Usha Rani** 5)Mrs. Mahalakshmi<br>6) Dr. B. Senthil Kumar<br>7) Mr. Kishore Dasari<br>8) Dr. Priyanka More<br>9) Dr. Rizwana<br>10) Dr. Ramesh Kumar Yadav | 202541101888A | 28-11-2025 |

# Students Achievements

| Roll Number | Name of the Student | Name of the Event | Event Organized Institute Name and Place | Date(s) of the Event and No. of. days | Participation / Award Received |
|---|---|---|---|---|---|
| 23761A05P2 | Shaik Atiq Rehaman | Semi Final - Amaravati Quantum Valley Hackathon 2025 | Dhanekula Institute of Engineering & Technology | 10 sept 2025 and 1 day | Runner |
| 23761A05P0 | S T V Mohan Reddy | Semi Final -Amaravati Quantum Valley Hackathon 2025 | Dhanekula Institute of Engineering & Technology, Ganguru | 10 Sept 2025 | Runner |
| 23761A05K9 | godavarthi shrestha charitha | Semi Final -Amaravati Quantum Valley Hackathon 2025 | Dhanekula Institute of Engineering & Technology, GanguruDhanekula Institute of Engineering & Technology, Ganguru | 10/9/2025 | runner |
| 23761A05M2 | Kosuru Mounika | Semi Final -Amaravati Quantum Valley Hackathon 2025Semi Final -Amaravati Quantum Valley Hackathon 2025 | Dhanekula Institute of Engineering & Technology, Ganguru | 10/9/2025 | Runner |
| 23761A05M2 | Kosuru Mounika | Semi Final -Amaravati Quantum Valley Hackathon 2025Semi Final -Amaravati Quantum Valley Hackathon 2025 | Dhanekula Institute of Engineering & Technology, Ganguru | 10/9/2025 | Runner |
| 23761A05N4 | M.Surendhra Reddy | Semi Final -Amaravati Quantum Valley Hackathon 2025 | Dhanekula Institute of Engineering & Technology, Ganguru | 10/9/2025 | Runner |
| 23761A05l3 | J.Roja | Semi Final -Amaravati Quantum Valley Hackathon 2025 | Dhanekula Institute of Engineering & Technology, Ganguru | 10/9/2025 | Runner |
| 22761A0517 | Pavanesh Gogineni | 19th National Frontiers of Engineering (NatFoE-25) Symposium & Innovation in Manufacturing Practices (IMP) | SRM UNIVERSITY Amravati | September 15-16, 2025. and 2 days | 1st Prize |

## Faculty Awards/Recognition

| S.No | Name of the faculty | Name of the award | Awarding Authority |
|---|---|---|---|
| 1 | Dr. D. Veeraiah | Best Teacher | JNTUK, Kakinada |
| 2 | Dr. D. Veeraiah | Best Teacher | LBRCE |
| 3 | Dr. D. Veeraiah | Best Researcher | LBRCE |



Dr. D. Veeraiah Receiving Best Teacher award from JNTUK, Kakinada on Sep 5th 2025




Dr. D. Veeraiah Receiving Best Teacher award from LBRCE on Sep 5th 2025




Dr. D. Veeraiah Receiving Best Researcher award from LBRCE on Sep 5th 2025

## Students Achievements

- The below Courses are successfully completed "Certificate Of Achievement" From "Infosys Springboard"-Year-2025-26

| S.no | Name Of The Course | Course/Semester | No. Of. Students Certification | Duration |
|---|---|---|---|---|
| 1 | Python Programming | B.Tech/III Semester | 420 | Sep-2025 To Dec-2025 |
| 2 | Mean Stack Technologies | B.Tech/V Semester | 20 | Sep-2025 To Dec-2025 |
| 3 | DevOps | B.Tech/VII Semester | 199 | Sep-2025 To Dec-2025 |

## Student Awards/ Achievements:

| S.No | Title of the Symposia/ Conferences/Workshops attended | Dates (from-to) (DD-MM-YYYY) | Roll Number | Name of the Student | Participation / Award |
|---|---|---|---|---|---|
| 1 | COLORIDO-2025 (NEXUS OF THINGS) - InnovWeb | 26-12-2025 & 27-12-2025 | 23761A05E9 | IRFAN JAN KHAN | 1ST PRIZE |



NCC students participated in COMBINED ANNUAL TRAINING CAMP – VI dated: 08-06-2025 to 17-06-2025 at ADITYA ENGINEERING COLLEGE, SURAMPALE



NCC students participated in ARMY ATTACHMENT CAMP Achievements dated: 10-08-2025 to 19-08-2025 at 1EME CENTER, SECUNDERBAD




NCC students participated in SNIC RASHTRIYA EKTA DIWAS CAMP Achievements dated: 17-10-2025 to 01-11-2025 at AT NCC Gp HQ Vadodara, GUJARAT



NCC students participated in Swarnandhra Swatchandra Plastic dated: 19-07-2025

# Faculty NPTEL Awards/Recognition

**List of NPTEL Certified Faculty in June-Dec 2025 Examinations**

| S.No | Name of the Faculty | Name of the Course | % Marks | Grade |
|---|---|---|---|---|
| 1. | Dr M Srinivasa Rao | Problem Solving through Programming in C | 74 | Elite + Silver |
| 2. | Dr. S.Nagarjuna Reddy | Cyber Security and Privacy | 79 | Topper |
| 3. | Dr. Duggineni Veeraiah | Cyber Security & Privacy | 63 | Elite |
| 4. | Dr. Venkata Subbaiah Desanamukula | Data Science for Engineers | 70 | Elite |
| 5. | Dr. Venkata Subbaiah Desanamukula | Introduction to Industry 4.0 and Industrial Internet of Things | 65 | Elite |
| 6. | Dr.K Devipriya | Introduction to Machine Learning | 68 | Elite |
| 7. | | Deep Learning IIT-Roopar | 75 | Elite + Silver |
| 8. | Dr.Guntapalli Minni | Data Structures and Algorithms Design | 60 | Elite |
| 9. | | The Joy of Computing using Python | 86 | Elite + Silver |
| 10. | | Artificial Intelligence Concepts and Tech | 61 | Elite |
| 11. | Dr. K. Venkatrao | Introduction to IoT | 79 | Elite + Silver |
| 12. | Mr. N V NAIK | Introduction to Industry 4.0 and Industrial Internet of Things | 61 | Elite |
| 13. | Mr. Narisetty Srinivasarao | Cloud Computing | 57 | Successfully Completed |
| 14. | Ms. Swathi Buragadda | Cyber Security and Privacy | 73 | Elite |
| 15. | Ms. Pappula Sarala | Deep Learning - IIT Ropar | 66 | Elite |
| 16. | | Data Science for Engineers | 57 | Successfully Completed |

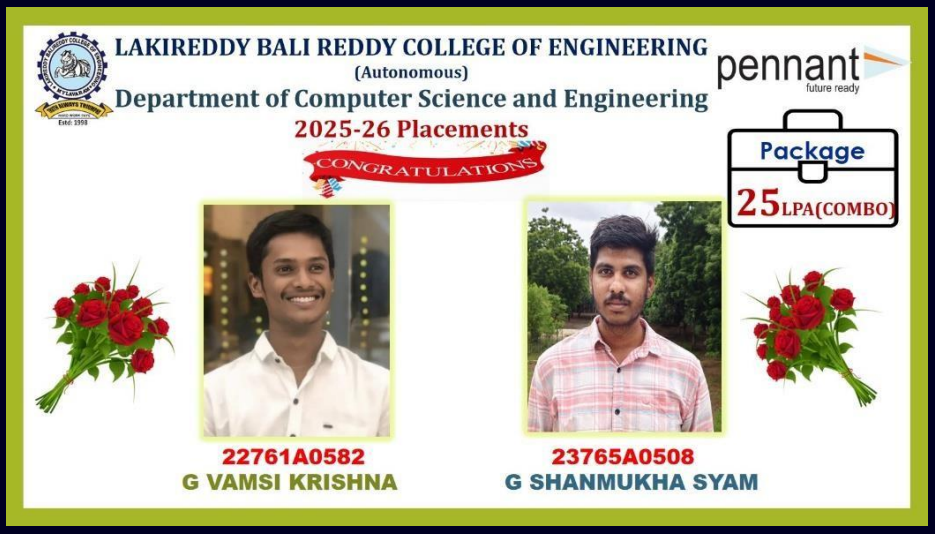
| | | | | |
|---|---|---|---|---|
| 17. | Ms. G V Rajya Lakshmi | Cyber security and privacy | 73 | Topper |
| 18. | Ms. B. Usha Rani | Cyber Security and Privacy | 63 | Elite |
| 19. | Mr. Ch. Srinivasa Rao | Cyber Security and Privacy | 60 | Elite |
| 20. | Mr. Veera Swamy Pittala | Introduction to Industry 4.0 and Industrial Internet of Things | 82 | Elite + Silver |
| 21 | Mr. Anand Thota | Introduction to Programming in C | 84 | Topper |
| 22. | Mr. Rajasekhar Pittala | Cloud Computing | 60 | Elite |
| 23. | Ms. Matta Swathi | Artificial Intelligence: Concepts and Techniques | 73 | Elite |
| 24. | Ms. Tumu Vineetha | Cloud Computing | 54 | Successfully Completed |
| 25. | Ms. P Mary Kamala Kumari | Colud Computing | 55 | Successfully Completed |
| 26. | Ms. K Eswaree Devi | Could Computing | 60 | Elite |
| 27. | Mr. Y. Praveen Kumar | Accreditation of outcome based education | 54 | Successfully Completed |
| 28. | Mrs. B.Nirosha | Cloud Computing | 57 | Successfully Completed |
| 29. | | Introduction To Internet Of Things | 64 | Elite |
| 30. | Mrs. M Gayathri | Cyber security and privacy | 66 | Elite |
| 31. | Mr. Yarragunta Babu | Cloud computing | 55 | Successfully Completed |
| 32. | | Introduction to Internet of Things | 68 | Elite |
| 33. | Ms. Mohammed Sajeena | Accreditation and Outcome Based Learning | 83 | Elite + Silver |
| 34. | Mr. Sainath Devara | Accreditation and Outcome Based Learning | 68 | Elite |
| 35. | Ms. M. Samyuktha | Accreditation and outcome based learning | 86 | Elite + Silver |

| | | | | |
|---|---|---|---|---|
| 36. | Ms. Medisetty Baby Anusha | Programming in JAVA | 90 | Elite + Gold |
| 37. | | Computer Architecture and Organization | 60 | Elite |
| 38. | | Cloud Computing | 54 | Successfully Completed |
| 39. | L.Lavanya | OBE | 80 | Elite + Silver |

## List of Faculty Acted as Resource Persons for Workshops/FDP/STT

| S.No | Name of the Faculty Member/Resource Person Name | Title of FDP/STTP/Worksh op | Name & Address of the Institute conducted FDP/STTP/Worksh op | Schedule | |
|---|---|---|---|---|---|
| | | | | From | To |
| 1. | Dr.D.Veeraiah | Certification Course on 5 Day Certification Course on PYTHON WITH AI | Dr. Lakireddy Hanimireddy Government Degree College, Mylavaram | 21-10-2025 | 25-10-2025 |
| 2. | Dr.K.Devi Priya | Two Days Hands Workshop on Machine Learning and Deep Learning Techniques | SRKR Engineering College, Bhimavaram | 22-12-2025 | 23-12-2025 |

# PLACEMENTS


LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(Autonomous)
Department of Computer Science and Engineering
pennant
future ready
2025-26 Placements
CONGRATULATIONS
Package
25 LPA(COMBO)
22761A0582
G VAMSI KRISHNA
23765A0508
G SHANMUKHA SYAM


LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(An Autonomous Institution Since 2010)
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
A.Y: 2025 - 26*
cognizant
Package
4.00 - 6.75 LPA
Number of offers
40
CERTIFICATIONS
servicenow
aws
CISCO
salesforce
Infosys Springboard
Microsoft
wipro
MERN

# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(Autonomous)

## Department of Computer Science and Engineering

cognizant GenC Next

2025-26 Placements

11 Students Placed

CONGRATULATIONS

Package 6.75 LPA


23765A0504
K SRIRAM


22761A05B7
SK. RIZWANA


22761A0529
K THANUJA


22761A0547
S SRICHANDANA


22761A0542
P BHARGAV


22761A05G0
K RANESH


22761A0590
K PREETHI


22761A0537
M PRAVEEN




22761A0553
T SHIVA


22761A0531
L SINDHU


22761A05J3
SYED RASHA



# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

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## Department of Computer Science and Engineering

eBtronics

2025-26 Placements

Congratulations

Package 5.3 LPA







GUNDUBOINA KRISHNA VAMSI

22761A0586

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(Autonomous)

## Department of Computer Science and Engineering

RUGGED MONITORING

MONITORING SIMPLIFIED

2025-26 Placements

Congratulations

Package 5 LPA







BONAGIRI VISWAKALA

22761A05D7

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(Autonomous)
Department of Computer Science and Engineering
2025-26 Placements

TECHNOPARINSOFT

CONGRATULATIONS

Package
3.6LPA



22761A0541
PALLE AKHILA



22761A05A4
MUNNAM LIKITHA

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(Autonomous)
Department of Computer Science and Engineering
2025-26 Placements

[24]7.ai

Congratulations

Package
3.6 LPA



S VISHNU PRIYA
22761A0546



B AKSA SREE
22761A0572

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(Autonomous)
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2025-26 Placements

LTIMindtree
servicenow

CONGRATULATIONS



22761A0596
KOTA PRASUNA CHANDRIKA
4.5 LPA

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Department of Computer Science and Engineering
2025-26 Placements

HCLTech

CONGRATULATIONS

Package
3.75 LPA

Great work!



22761A0503
A HARSHA VARDHAN



22761A0510
CH KRANTHI



22761A0514
D TEJASWINI



22761A0551
SK ZAHEERA



22761A0567
A SRIVANI



22761A05E9
G M SURAJ BABA



22761A05H3
MOHAMMAD ASAD



22761A05H4
M TEJASWI



22761A05H8
N DEVI SRI



22761A05J7
Y MANIKANTA

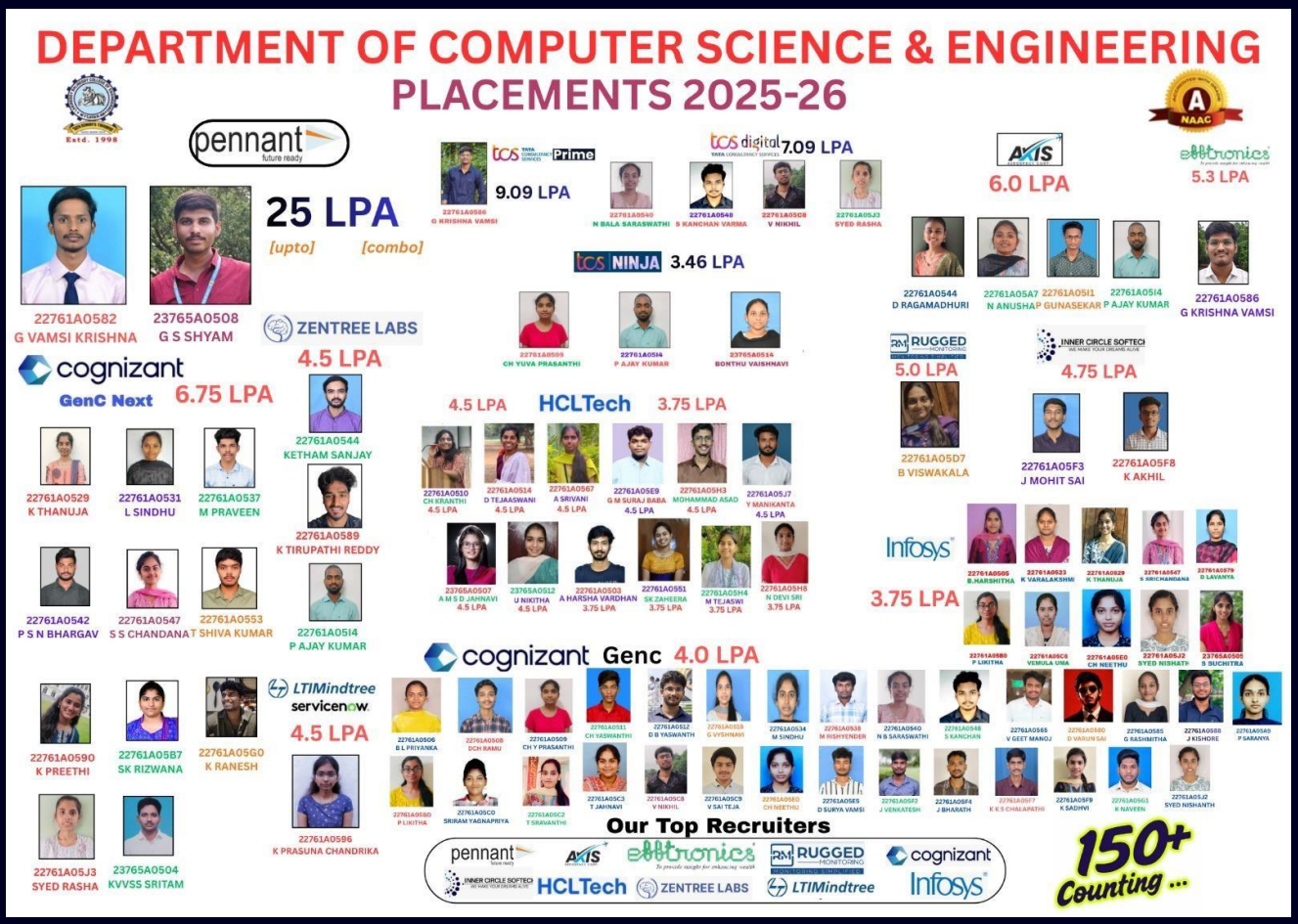


23765A0507
A M S D JAHNAVI



23765A0512
U NIKITHA

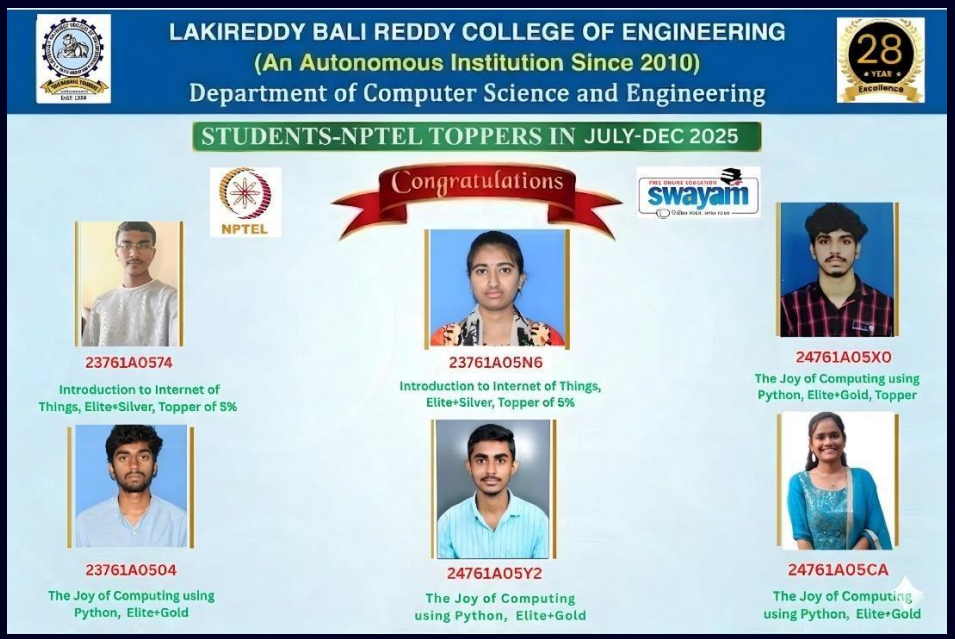
# CSE Department Placement Achievements



# NPTEL

s


LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(An Autonomous Institution Since 2010)
Department of Computer Science and Engineering
28 YEAR Excellence
FACULTY-NPTEL TOPPERS IN JULY-DEC 2025
Congratulations
NPTEL
swayam
Dr. M. Srinivasa Rao
Professor
NPTEL Discipline Star in July-Dec 2025
Dr. D. Venkata Subbaiah
Professor
NPTEL Discipline Star in July-Dec 2025
Mrs. G V Rajya Lakshmi
Sr. Assistant Professor
Topper of 5% in Cyber Security and Privacy
Mr. Anand Thota
Sr. Assistant Professor
Topper of 5% in Introduction to Programming in C
Dr. S.Nagarjuna Reddy
Professor
Topper of 2% in Cyber Security and Privacy
Dr. G. Minni
Professor
NPTEL Discipline Star in July-Dec 2025
Ms. B. Usha Rani
Sr. Assistant Professor
NPTEL Discipline Star in July-Dec 2025
Mr. N. Srinivasa Rao
Sr. Assistant Professor
Successfully Completed Domain Certificate in Programming
Mrs. M. Swathi
Sr. Assistant Professor
NPTEL Discipline Star in July-Dec 2025
Ms. B. Swathi
Sr. Assistant Professor
NPTEL Discipline Star in July-Dec 2025


LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(An Autonomous Institution Since 2010)
Department of Computer Science and Engineering
28 YEAR Excellence
STUDENTS-NPTEL TOPPERS IN JULY-DEC 2025
Congratulations
NPTEL
swayam
23761A0574
Introduction to Internet of Things, Elite+Silver, Topper of 5%
23761A05N6
Introduction to Internet of Things, Elite+Silver, Topper of 5%
24761A05X0
The Joy of Computing using Python, Elite+Gold, Topper
23761A0504
The Joy of Computing using Python, Elite+Gold
24761A05Y2
The Joy of Computing using Python, Elite+Gold
24761A05CA
The Joy of Computing using Python, Elite+Gold

# Student Awarded for Publishing an Article






# CSE Department Sports Awards








# CSE Department Sports Awards








# Hackathon Winners in VR Siddhartha College








## Student Awards in Spoorthi Club from CSE Department







## Winners in VR Siddhartha College Of Engineering

