LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)

ACCREDITED BY NACC WITH 'A' GRADE AND NBA(ECE,EE,CSE,IT,ME,CIVIL AND ASE)

APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO JNTUK, KAKINADA

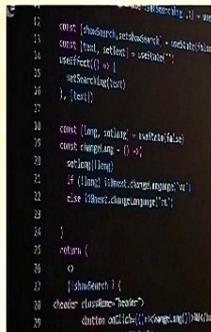L.B.REDDY NAGAR, MYLAVARAM-521230,NTRDIST,ANDHRAPRADESH,INDIA

ONE WEEK WORKSHOP

PRIZE:

First prize -1000
second prize -500

MASTERING IN
DATA STRUCTURES
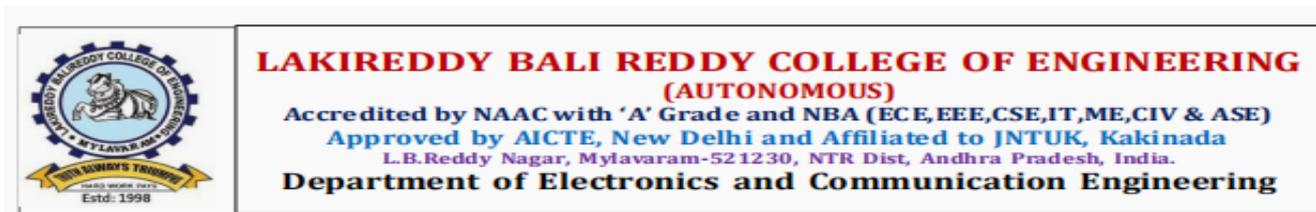# FOR PROBLEM SOLVING

Organized by

Department of Electronics and Communication Engineering

In association with

The Institution of Electronics and Telecommunication Engineers

Date : 09-02-2026 to 13-02-2026

Mastering in Data Structures for Problem Solving (IETE)

Event Type: Mastering in Data Structures for problem solving

Date / Duration: 09-02-2026 to 13-02-2026.

Name of Convener: Dr G. Srinivasulu

Name of Coordinators: Dr. K. Rani Rudrama

Target Audience: B. Tech ECE VI Sem Students

Total no of Participants: 200

Objective of the event: This program aims to strengthen problem-solving skills, deepen understanding of data structure concepts, and enhance practical programming abilities through hands-on implementation and algorithmic thinking. It encourages logical reasoning, efficient coding practices, and real-world application of data structures.

Description / Report on Event:

The Electronics and Communication Engineering (ECE) department of Lakireddy Bali Reddy College of Engineering, Mylavaram, in association with the Institution of Electronics and Telecommunication Engineers (IETE) Students' Chapter, organized a "Mastering Data Structures" Program on October 10, 2025, at the Programming Lab.

The event witnessed enthusiastic participation from VI semester ECE students, with a total of 200 students actively taking part in the program. The primary objective of the event was to strengthen students' understanding of fundamental and advanced data structure concepts such as arrays, linked lists, stacks, queues, and sorting & searching algorithms. The program was designed to enhance logical thinking, coding efficiency, and problem-solving abilities through structured sessions and hands-on practice.

The event was conducted in multiple phases, including a concept refresher session, live coding demonstrations, and a competitive problem-solving round. Participants were given real-time programming challenges that required efficient algorithm design and optimized solutions. Special focus was given to time and space complexity analysis, helping students understand the importance of writing optimized code for real-world applications.

Based on performance, accuracy, efficiency of code, and problem-solving approach, the top three performers were declared winners. All participants received certificates of participation, while the winners were awarded prizes by Dr. G. Srinivasulu, HOD of ECE, in recognition of their outstanding performance.

The event was judged and evaluated by Dr. V. Ravi Sekhara Reddy and Dr. K. Rani Rudrama, who assessed participants based on coding logic, implementation accuracy, and optimization techniques. The faculty members appreciated the efforts of the IETE student coordinators for organizing and conducting the program smoothly.

Overall, the "Mastering Data Structures" program was a grand success. It provided students with a valuable platform to enhance their programming skills, build confidence in tackling competitive coding problems, and develop a strong foundation in data structures essential for placements and higher studies.

DAYWISE SCHEDULE OF ECE TECHNICAL TRAINING

Objective: After completion of training, Every ECE student has

to implement the problems on the following topics.

Day-1: Number based problems, Patterns and Array Based problems.

Day-2: Array based problems and String based problems.

Day-3: String based problems, Searching and Sorting Techniques

Day-4: Stack, Queue and It's Applications.

Day-5: Brief Explanation about Linked List and SLL implementation.

Hackathon Overview:

On the final day of the **"Mastering Data Structures"** program, a Hackathon was conducted to assess the practical knowledge and coding proficiency of the participants. The Hackathon focused on solving real-time problem statements using various data structures and algorithms. Students worked in teams and were challenged to design efficient solutions within a limited time, applying concepts such as arrays, linked lists, stacks, queues, trees, graphs, and dynamic programming. The session encouraged analytical thinking, teamwork, and optimized coding practices.

The Hackathon created a competitive and energetic atmosphere, motivating students to showcase their logical reasoning and problem-solving abilities. Teams were evaluated based on correctness, efficiency, code optimization, and approach to solving the problem. The event served as a valuable platform for students to experience real-world coding challenges, strengthen their confidence, and enhance their readiness for technical interviews and competitive programming.

Top 2 members form each section shortlisted from mastering in data structure contest to award prizes

s.no	Name of the student	Year and section	Remarks
1.	Sk. Joshni Sulthana	III-A	First
2.	A. Sai Sravani	III-A	Second
3.	B. Sravanthi	III-B	First
4.	Sk. Fazulunnisa	III-B	Second
5.	M. Sravanthi	III-C	First
6.	V. Durga Manikanta	III-C	Second

Feedback / Suggestions:

Suggested to conduct similar events in the future

Photographs: