ACHARYA

ACHARYA INSTITUTE OF TECHNOLOGY

NAAC ACCREDITED NBA

VALUE-ADDED PROGRAM ON :
DATA STRUCTURES & ALGORITHMS USING C FROM FUNDAMENTALS TO REAL-WORLD APPLICATIONS

In Association with

IEEE BANGALORE SECTION | sandlogic Adding Intelligence | प्रज्ञाय

21st to 25th April, 2026 | 8:45 AM to 4:45 PM

Venue: CSE/ISE Block 2nd & 3rd Floor Classrooms, Acharya Campus

About the Program

The Value Added Program on **"VAP on Data Structures & Algorithms Using C from fundamentals to Real-World Applications"** is designed to equip 4th semester CSE students with practical knowledge and hands-on experience in implementing core data structures using the C programming language. The program focuses on application-level learning, enabling students to solve real-world problems through efficient data organization and algorithmic techniques. Through a combination of interactive sessions, coding exercises, and problem-solving activities, students enhance their logical thinking, programming skills, and debugging abilities. The training also emphasizes industry-relevant practices, preparing students for technical interviews, internships, and software development roles by strengthening their coding proficiency and confidence.

Objectives of the Program

- 1. To enable students to understand and apply core data structures using C in real-world and industry-oriented scenarios.
- To develop strong problem-solving and analytical skills required for efficient software development.
- To provide hands-on experience in implementing and optimizing data structures for practical applications.
- To enhance coding proficiency, debugging ability, and algorithmic thinking for industry readiness.
- To prepare students for technical interviews, internships, and placement opportunities through application-based programming practice.

Expected Outcomes of the Program

- Students will be able to design and implement efficient data structures in C for solving real-world and application-oriented problems.
- Students will demonstrate improved problem-solving, analytical thinking, and algorithm design skills.
- Students will be capable of selecting appropriate data structures to optimize performance in software applications.
- Students will gain confidence in coding, debugging, and handling practical programming challenges.
- Students will be better prepared for technical interviews, internships, and industry-level programming tasks.

Target Audience: 4th sem CSE Students

Committee Members

ADVISORY COMMITTEE

- Dr. Marigowda C K, Principal, AIT

CONVENER

- Dr. Kala Venugopal

EVENT COORDINATORS

- Prof. Abhishek BM
- Dr Sujatha BM
- Prof Prashanth Kumar S P
- Prof.Kamala K

Resource Persons

Mr. Parvej Khan
Designation: Associate Software Engineer
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Dr.Kavitha Nair.R
Designation: Associate professor
Department of AI &ML

Dr.Harish G
Designation: Professor
Dr. Ambedkar Institute of Technology, Bangalore

Mr.Anuj Dwivedi
Designation: Founder,
Archzos Pvt Ltd

Akash Kamat
Designation: Chief Technology Officer
Archzos Pvt.Ltd

Prof.Ranjan
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Prof.Jovin Deglus
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Mr.Sasank Majeti
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LOCATE US

Event Coordinator
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