



# XAVIER INSTITUTE OF ENGINEERING

(Approved by AICTE, Accredited with "A+" by NAAC, Affiliated to Mumbai University,  
Recognized by DTE, Govt. of Maharashtra)  
EXTC, IT branches are NBA Accredited

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**Title of the event:** "Data structures in Different Domains"

**Event Date / Time:** 07/10/2024, 9.45 AM – 10:45 AM

**Class:** SEIT

**Event Coordinator:** Prof. Chhaya Dhavale.

**Speaker:** Lalita Moharkar, Assistant Professor, CSE Department.

**POs Mapped:** PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO12, PSO1, PSO2

**No. of Participants:** 61

## **Objectives:**

**Understand the Importance of Data Structures:** Explore why data structures are critical for efficient problem-solving in software development.

**Learn Key Data Structures:** Gain insights into fundamental data structures such as arrays, linked lists, stacks, queues, and trees.

**Analyze Real-World Applications:** Discover how different data structures are used in practical applications like databases, networking, and operating systems.

**Enhance Algorithmic Thinking:** Develop skills to choose appropriate data structures for solving specific computational problems.

**Optimize Code Performance:** Understand how the right data structures can improve time and space efficiency in software programs.

## **Description:**

Prof. Lalita Moharkar delivered an insightful session on "Data structures application," helping students grasp the concept of Data structures. In this session, participants explored the importance of data structures in efficient problem-solving and learned about key structures such as arrays, linked lists, stacks, and trees. They gained insights into real-world applications, such as databases and operating systems, while enhancing their ability to choose appropriate data structures for specific tasks to optimize performance and efficiency.

## **Feedback:**

The students found the session highly engaging and beneficial. The session was well-received, leaving students with actionable insights.

## **Glimpses of Event**



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**Prof. Lalita explaining**

**Prof. Chhaya D.**  
Event Coordinator

**Dr. Jaychand Upadhyay**

HOD, IT Dept.