



# 1- Day Workshop

## Workshop on Trees and Linked List

### Objective:

The main objective of this technical event is to check the general technical knowledge of the students. Students will learn to apply their theoretical knowledge for solving the various real-life problems faced in their subjects. This workshop will help the students to equip the essential skills they require in the future.

### Key Points:

- Binary Tree
- Binary Search Tree
- AVL Tree
- Node Insertion
- Node Deletion
- Complete Binary Tree

### Subjects Covered:

- Height balancing factor.
  - Max Heap
  - Min Heap
  - Single Linked List
  - Doubly Linked List
  - Circular Linked List
- Insert node in between, front and rear of Linked List
  - Delete node in between, front and rear of Linked List

### Experts:

**Prof. Ritesh Kumar**  
(Assistant Professor)  
**SRPEC, UNJHA.**

<b>Feedback Analysis</b>	
Relevance of the content with the title.	4.14
Presentation of the content.	4.07
Teaching methodology.	3.96
Doubt clearance	4.14
Relevance of course content to my work	4.25
Course relevance to current trends	4.18
Illustrations, examples and practice sessions	4.14
Illustrations, examples and practice sessions	4.11
Facilitator's knowledge of the subject matter	4.04
Facilitator's knowledge of the subject matter	4.07
Facilitators preparedness and presentation skills	4.25
The overall delivery and content	4.21
How this workshop met my expectations	4.04



### Participants:

Total **29** students have participated in the workshop where they have learned and practiced that why tree is used for non linear data and how linked list is used linear. They have also done hands on session to learn about it.