

BANSILAL RAMNATH AGARWAL CHARITABLE TRUST'S  
VISHWKARMA INSTITUTE OF INFORMATION TECHNOLOGY, PUNE  
DEPARTMENT OF COMPUTER ENGINEERING

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**WORK BREAKDOWN STRUCTURE (WBS)**

- **Group Id**

SY. B Tech – A3-6

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- **Project Title**

BST Visualization

Group No - A\_6  
Class - SY. B.Tech  
Div - A Division

## BST Visualization

### 1. Create BST

1.1. Accept DATA

1.2. Insert Node

1.2.1. Right Subtree

1.2.2. Left Subtree

1.3. Draw Node

1.3.1. Root

1.3.2. Child

### 2. Traverse BST

2.1. Accept Data

2.1.1. Type of Traversal

2.1.1.1. Preorder

2.1.1.2. Inorder

2.1.1.3. Postorder

2.2. Show Traversal

2.2.1. Traversed

2.2.2. Not Traversed

### 3. Search in BST

3.1. Accept KEY

3.2. Search

### 4. Delete from BST

4.1. Accept KEY

4.2. Check Three Cases

4.2.1. No Child

4.2.2. One Child

4.2.3. Two Child

4.3. Remove Node

4.4. Draw Removal of Node

### 5. Predecessor / Successor

5.1. Accept KEY

5.2. Show Predecessor

5.3. Show Successor