**UCS 2312 Data Structures Lab**

**Assignment 7: AVL Tree and its applications**

**Date of Assignment: 21.11.2022**

Design an ADT for the AVL Tree data structure with the following functions. Each node consists of a character data, address of left, right and parent nodes [CO1, K3]

1. insertAVL(t, data) – insert data into BST
2. inorder(t) – display the tree using inorder traversal
3. findParent(t, key) – will return the parent of the given data

Demonstrate the AVL ADT with the insertion of the following character data one at a time

**H, I, J, B, A, E, C, F, D, G, K, L**