

Assignment 3 : Minimum Spanning Tree

Deadline: 30/05/2021 11:55 PM

Instruction:

1. Write your code in Kruskals.cpp.
2. **Avoid plagiarism. If you are found to adopt any unfair means you will get a straight 0.**
3. You cannot change or modify the structure of the existing code. Just complete the functions you are instructed to.
4. Upload only the cpp file in lms.
5. **Deadline is 30/05/2021 11:55 PM.**

Follow this pseudocode to implement Kruskal's algorithm for minimum spanning tree.

```
Kruskal()
{
    Create a Disjoint Set;
    for each  $v \in V$ 
        MakeSet(v);

    Create an edgeset E;
    sort E into nondecreasing order by weight w;

    for each  $(u,v) \in E$  (in sorted order)
        if FindSet(u) != FindSet(v)
            Print (u, v);
            Union(FindSet(u), FindSet(v));
}
```