**Algorithms Assignment Report**

Minimum Spanning Tree using

Prim and Kruskal Algorithm

# Due Date: 27/04/2018

# Date Completed: x/04/2018

**Completed by:**

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# **DT228/2**

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# **Introduction:**

# **myGraph.txt:**

## **Diagram:**

## **Contents:**

## **Adjacency List Representation:**

# **Step by Step Construction of the MST on myGraph.txt:**

## **Including parent[] and Dist[] with Prim Algorithm:**

### **Diagram Representation:**

## **Including Union-Find Partition and Set Representation with Kruskal Algorithm:**

### **Diagram Representation:**

# **Code used in Algorithms:**

## **Prim:**

## **Kruskal:**

# **Sample output of the MST implementation for the sample graph:**

# **Reflection on the assignment:**