## School of Engineering and Applied Science (SEAS), Ahmedabad University

## Probability and Stochastic Processes (MAT 277) Special Assignment Report

**Group Name :** ks - tra - 20 **Transportation :** Group-20

Team Members - Roll No.

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Algorithms: Kruskal, Boruvka & Dijkstra

## I. Problem Statement:

To design a program that utilizes a randomized algorithm to solve the train rescheduling problem, taking into account the distance and time as random variables, while keeping other variables constant.

## XII. References

- 1. RMST Notes (Campuswire): https://bit.ly/3zM4wJY
- 2. https://files.campuswire.com/477259e7-8684-40ee-b62c-4cbfe1d025c5 6d4fceb9-0d9c-4639-98d4-163aeebd17a6/Report\_linear\_time\_ mst.pdf
- 3. Kruskal's Algorithm: https://www.youtube.com/watch?v=b2-vAkasvD0&list=PLyqSpQzTE6M9DKhN7z2f0pKTJWu-639\_P&index=30
- 4. https://informatika.stei.itb.ac.id/~rinaldi.munir/Matdis/2022-2023/Makalah2022/Makalah-Matdis-2022%20(96).pdf
- 5. https://siddhigate.hashnode.dev/social-network-and-recommendation
- 6. https://www.cs.princeton.edu/~wayne/kleinberg-tardos/pdf/ 04GreedyAlgorithmsII.pdf