Bansilal Ramnath Agarwal Charitable Trust's
VISHWKARMA INSTITUTE OF INFORMATION TECHNOLOGY, PUNE
DEPARTMENT OF COMPUTER ENGINEERING

PROJECT SYNOPSIS

1 Group Id

STUDENTS: -

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2 Project Title

Google Maps for Railway Routes

3 Project Option

4 Internal Guide

5 Sponsorship and External Guide

6 Technical Keywords

1. Graph
2. Nodes
3. Breadth First Search (BFS)
4. Depth First Search (DFS)
5. Prim’s algorithm
6. Djikstra’s agorithm

7 Problem Statement

Finding The Shortest Path Between Two Junctions Entered By The User

8 Abstract

The program is designed to find the shortest route between two junctions viz. source station and destination station if they both exist.
There are basically two log ins. First is the admin log in where the route of the train is added by the admin. Then the customer is asked for their source and destination stations. If both the entered station exist then the shortest distance between the two station is removed using various algorithms.

9 Goals and Objectives

The main objective of the program is to find whether a path exists between two given junctions and if it does, then to find the shortest distance between them.

10 Relevant mathematics associated with the Project

11 Names of Conferences / Journals where papers can be published

12 Review of Conference/Journal Papers supporting Project idea

13. Plan of Project Execution