

Project Defense Status/Registration Form

To be filled by the student				
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Project Title:

Routing Optimization System

Project Objectives:

- To formulate an algorithm that would optimize the route for a delivery problem by suggesting the best possible rider for a particular rider at a particular time.
- To suggest the best possible route for the rider selected for the delivery.

Current Project Status Marker (Tick one)

20%

40%

60%

80%

100%

Comments (Details of the Project Status- Mention all the requirements that are completed and remaining)

- Major challenge was to find the appropriate data set. The data set being used is taken from Kaggle.
- A few modifications in the data set has also been made to make it work according to our scenario such as a few features of the rider are added which were needed in the process of calculating the fitness value of a rider.
- The algorithm has three main steps i.e.
 - Niching: From the whole population or riders, select the riders that could possibly be the best choice. The framework for this part has been written.
 - Calculating and Comparing Fitness Value: Fitness value of each rider will be calculated. The Framework of this part has been discussed but still needs to be written in proper format.
 - Sort riders and suggest the top one: Riders, after the calculation of their fitness values, will be arranged according to their fitness values and the top one will be suggested as the best possible rider.
- Currently, the work has been done till the half of 2nd step of the third point.

Student Signature

To be filled by the supervisor

Current Project Status Marker (Tick one)

20%

40%

60%

80%

100%

Comments:

To be filled by the Panel

Final Remarks:

Supervisor

Project Coordinator