FINAL YEAR PROJECT REPORT

ROUTE SELECTION TO MULTIPLE DESTINATIONS USING OPTIMAL PATH ALGORITHM

In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)

By

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FALL-2020

DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

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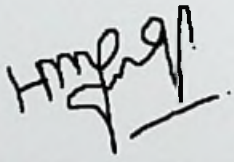
APPROVAL FOR SUBMISSION

I/We certify that this project report entitled **"ROUTE SELECTION TO MULTIPLE DESTINATIONS USING OPTIMAL PATH ALGORITHM"** was prepared by **Taha Murtaza Gain, Unzila Irshad, Hija Mohsin** has met the required standard for submission in partial fulfilment of the requirements for the award of Bachelor of Computer Science (Honours) at Bahria University.

Approved by,



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Date : 3rd January 2021

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ROUTE SELECTION TO MULTIPLE DESTINATIONS USING OPTIMAL PATH ALGORITHM

ABSTRACT

The considerable growths of social apps give rise to the new challenges and opportunities. One of these applications are based on the route selection. The purpose of these application is to provide routes to the users. The information provided in the system help the users to select different routes based on the requirement of the user. Hence, an optimal path selection may also help to generate alternate routes from source to destination. An autonomous route selection will be done with the help of optimization technique. Optimal path selection algorithm approaches for finding shortest route. In existing solutions, the customer required to generate separate queries for each destination. In addition, the customers required to search best routes paths manually from the applications. The designed platform will help the customers to select the optimal routes from single destination. The customer will find all the optimal paths by a single query. The searching algorithm will help to find the best solutions based on the provided time and location by single query. The designed application will help the existing solutions to enhance the productivity and customer satisfaction.

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