**BAHRIA UNIVERSITY, (Karachi Campus)**

*Department of Software Engineering*

PROPOSAL

**Course Title: Data Structures and Algorithm**

**Course Instructor:** Engr Laraib Siddiqui **Class**: BSE-3(B)

**Lab Instructor:** Engr. Ayesha Khan

***PROJECT TITLE:***

***Map Application (Using Dijkstra Algorithm)***

***GROUP MEMBERS LIST:***

***<WITH TEAM LEAD>***

Muhammad Amjad 02-131202-041

Muhammad Junaid Saleem Qadri 02-131202-057

Muhammad Ameer Hamza 02-131202-037

***PROJECT SCOPE:***

It is hugely deployed in measuring the least possible distance and check direction between two geographical regions like Google Maps, discovering map locations pointing to the vertices of a graph, calculating cost and delay-timing, etc.

***PROJECT ABSTRACT:***

People sometime travel but spend much time in traveling due to choosing wrong path which lead them to pay much cost. This project will tell the shortest path from source to destination with minimum distance.

***PROJECT FUNCTIONALITIES:***

* Find shortest path.
* Calculate Cost of that path w.r.t different vehicles.

***MODULE DISTRIBUTION:***

# Muhammad Amjad:

Location Adding in map and finding shortest path.

Map Layout.

# Muhammad Junaid Saleem Qadri:

Minimum Cost Calculation w.r.t different vehicles.

Cost Calculator Layout.

# Muhammad Ameer Hamza:

Design layout of project except cost calculator and map.

**Teacher Signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Remarks**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Submission Date**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_