

FINAL YEAR PROJECT REPORT

ROAD CONGESTION AND PARKING SOLUTION

In fulfillment of the requirement For degree of Bachelors in information Technology (BS IT)

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ABSTRACT

The world's population is growing rapidly. The increasing population is giving birth too many problems especially in third world countries. Road congestion, environmental pollution and increasing need for parking space are some major problems raised by it. All these problems can be solved through carpooling, especially in Karachi which is considered mini Pakistan where population is more than 15 million. Ridesharing can save your gas money by sharing expenses with others, wearing and tearing your vehicles, oil resources, and decreasing all the associated driving-related wicked environmental impact. Ride sharing enables commuters to share a journey to a common destination.

This report is about how carpooling can help in reducing traveling cost, road congestion, and carbon emissions and about the methodology, design, and implementation of a carpooling android application. The main objective of the carpooling application is to provide a platform where people can share their rides with other people going the same direction which is also good in increasing social interaction among the people. Currently the scope of the application is limited to our university but in future with proper setup it can be launch in whole city to minimize all the above-mentioned problems.

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