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Vehicle Pooling Application

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Abstract: ***Vehicle pooling is nothing but sharing of vehicle journey to the other who has need of lift on same way. Vehicle pooling reduces every person's stress of driving price of travelling like fuel prices, pollution. Vehicle pooling is additionally seen as an additional environment friendly and property thanks to travel as sharing journeys reduces carbon emissions, tie up on the roads. This application has two login for user and vehicle owner which validates both, user as well as owner. The check-in system enables users to check in meetings points and notify all users about that. This application particularly reduces high pollution periods and high fuel costs. We have a tendency to bent creating associate degree automation based mostly application that may alter to let individual recognize of vehicles are obtainable for bike pool in their desired path they will register for it. This paper describes the mobile application development that tries to overcome the disadvantages of the other available other applications.***

Keywords: Global Positioning System, Real Time System, User Friendly Interface, Vehicle Tracking System.

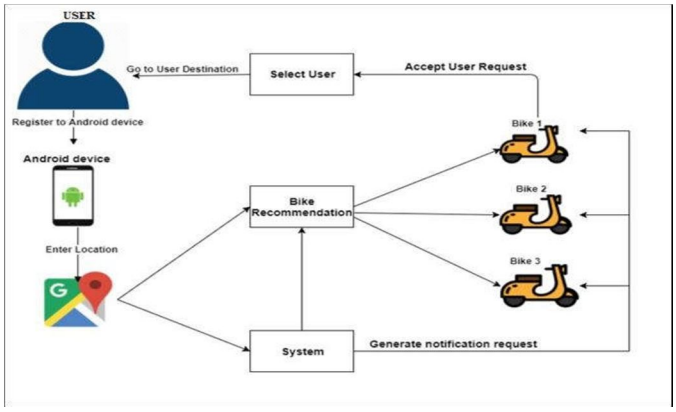
I. INTRODUCTION

With the increase of environmental concerns and the congestion of roads, Vehicle pooling has gained a lot of popularity when it comes to environment-friendly and cheap ways of travelling. Vehicle pooling is when two or more persons share a ride in one of their personal vehicle. Vehicle pooling reduces pollution since we have fewer vehicles on the road. Vehicle Travelling alone can be stressful, so having other persons with you on a trip reduces the stress and is also the occasion to socialize and make the trip funnier. Finding people to share ride is the challenge of vehicle pooling to find a person as going to the same place and way as you at a given time. This application works for any vehicle pooler help the users to upload their locations, view the driver's location and register for journeys both short distance and long intercity trips. Vehicle pooling is the real time application which helps to a people to check the meeting point to let the other person know that he/she arrive at meeting point. The proposed system is developed in android. There are two main reasons for selecting Android operating system instead of another one. First is that Android is an open source operating system and thus allows reusing some pieces of program to create a new application. Second is that Android is fast growing operating system and hence it will help for increase in number of users for ride sharing.

II. LITERATURE SURVEY

This literature survey is the analysis of vehicle pooling. This analysis is mainly concentrate on studies that give the solution of problem which is: What is the role of technology in the formation of vehicle pooling. The literature review outlines the Transportation demand Management and explains how vehicle pooling fits into the practice. Some classic vehicle pooling websites indicates that its users effectively schedule their plans for well trip in advance.

III. SYSTEM ARCHITECTURE



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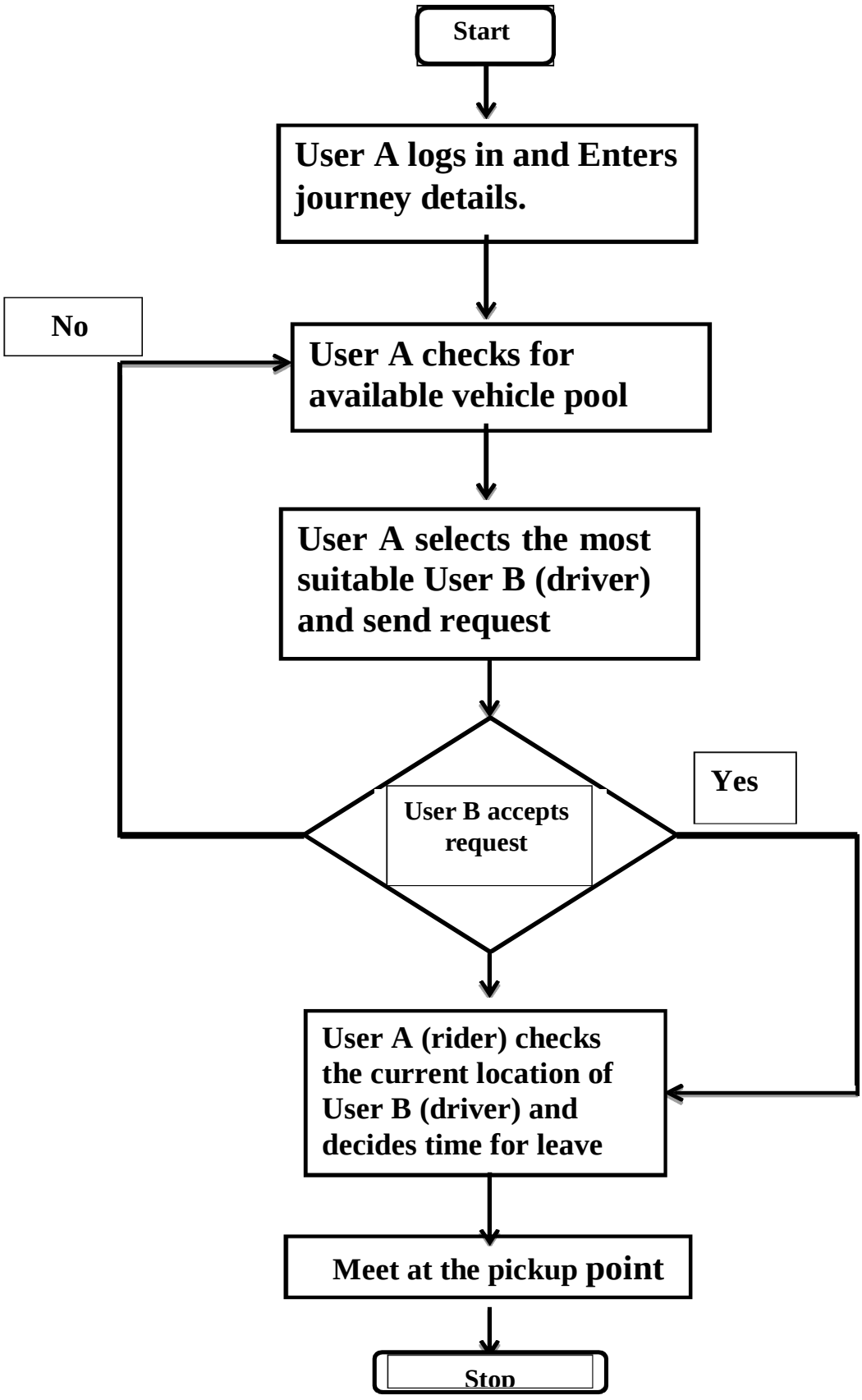
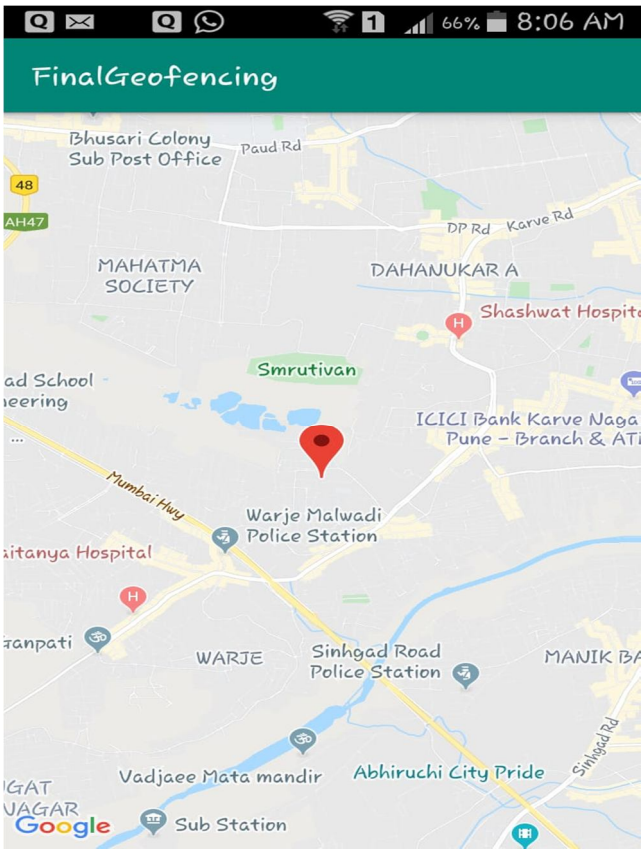
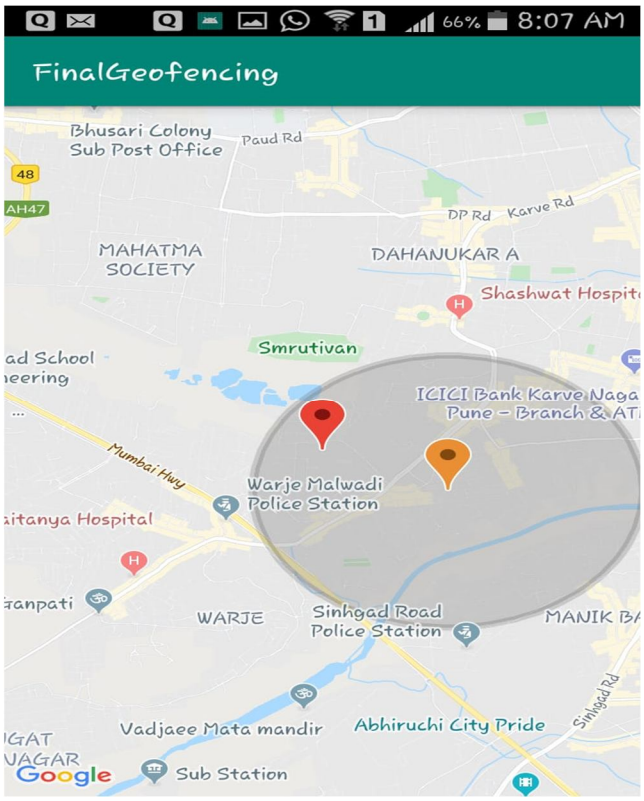
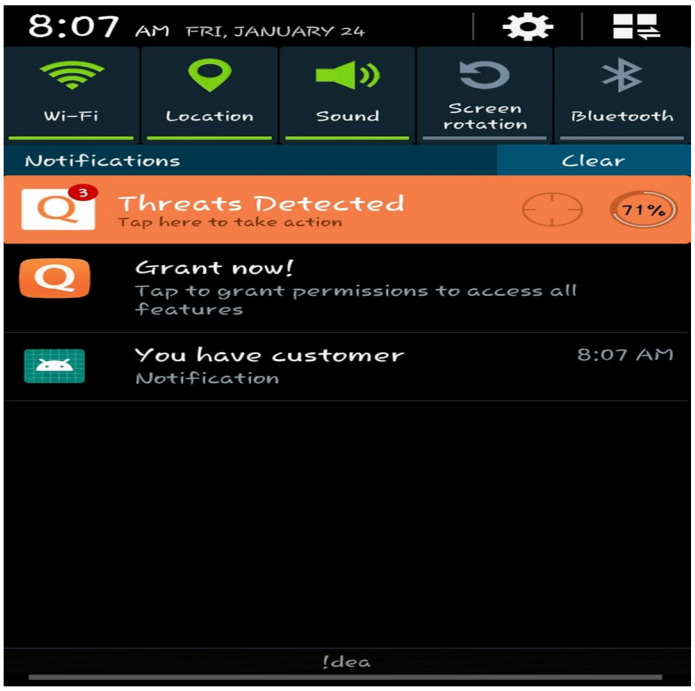
IV. ZFLOWCHART



V. SCREENSHOTS







VI. CONCLUSION AND FUTURE WORK

In this paper, we have successfully demonstrated a mobile based 'vehicle pooling' application. We have studied various technologies, algorithms and methods for monitoring system. This application would help in the process of creation of "immediate vehicle pool" events. Thus we successfully reduced the complex conversations and process needed for normal vehicle pool events. In, future more functionality may be added to make this application more robust and more feature rich. With the use of smart phones, this application, when developed to its fullest, would be able for all to use and make their journeys much more enjoyable and comfortable.

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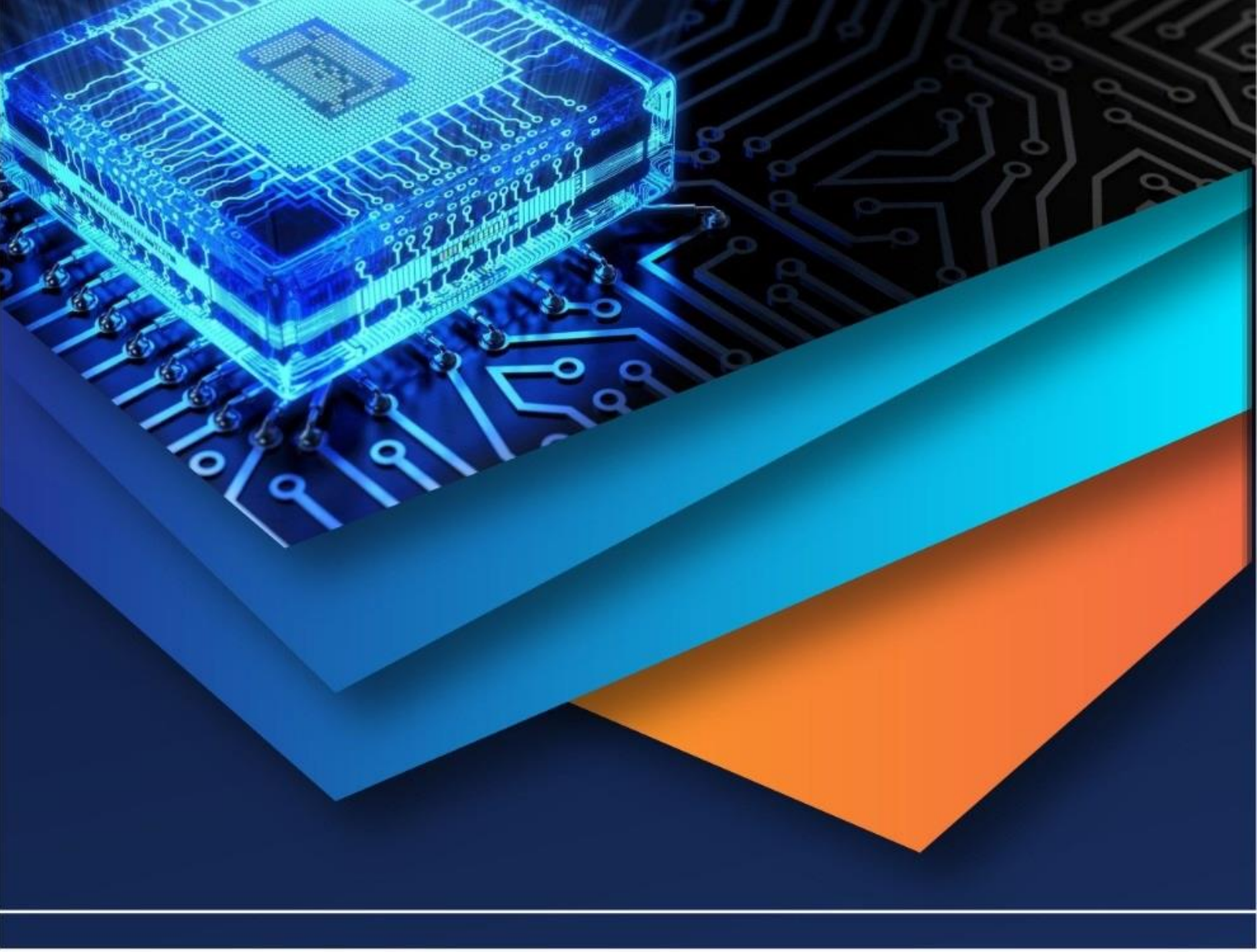

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