

# Bike Pool: An Android Based Application

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## ABSTRACT

There is tremendous increase in population, because of this there's increase in range of vehicles. the increase in range of vehicles had diode to several issues like holdup, increase in consumption of fuels, rising travel prices. Considering of these issues we've studied completely different papers. This paper introduces bike sharing application which can facilitate individuals to travel on one bike and share their expenses and conjointly scale back pollution.

**Keywords:** Bike pooling; Android; Pollution; Google maps

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## COMMENTARY

Travelling from one place to a different has become the most issue of the society now-a-days. inflated population has given rise to inflated range of vehicles for move functions. because of this, carbon emissions ar being free in great deal that is harming the atmosphere. And conjointly due to increasing range of private vehicles principally cars, the parking issues ar increasing and conjointly pollution is speedily growing. individuals {are conjointly|also ar|are} laid low with high move prices and fuel costs are rising.

In order to beat these issues, this paper is helpful for locating completely different solutions on that. Bike pooling is Associate in Nursing mechanical man application during which individuals can share bikes to travel distances which fits on an equivalent route of the bike user. Bike Pooling may be a pick-up and drop-off service provided to the users in line with their desires. Therefore, range of vehicles are going to be reduced in order that holdup issues, pollution are going to be reduced. Bike pooling conjointly helps individuals to share their travel expenses that's fuel prices which can even be helpful to save lots of fuel for future use as fuels have gotten shrivelled day by day because of great deal of consumption.

In this application Aadhar card link are going to be additional for obtaining user's identity. It conjointly includes Google maps for tracing real time navigation. This application is helpful for booking bikes from home conjointly.

## Related Work

According to Hindu deity N. Bharadwaj the system is enforced

exploitation web of Things (IOT). This paper is that the resolution for issues like holdup and pollution in good Cities. This paper is exploitation RIFD module for unlocking bike and Aadhar Card for registration purpose.

According to Amey S. Dodal the system is enforced exploitation mechanical man. during this paper the applying is employed to share and rent bikes. This paper provides the power for ladies safety and conjointly it includes the answer for accident drawback.

According to Sumit Sardar the system is enforced exploitation mechanical man. This paper is employed chiefly for college students and workers for daily transportation during this paper the applying is enforced exploitation integrated Google maps.

According to Divyesh Patel the system is enforced exploitation mechanical man. during this paper the applying is helpful for densely space|urban area|geographical area|geographic area|geographical region|geographic region} and the area wherever there's no convenient mode of transportation. during this paper the applying uses real timeline of work and electronic messaging options.

According to Arpita Dixit the system is enforced for cars exploitation mechanical man. during this paper the applying helps individuals for sharing expenses and creating connections. during this paper the applying provides security conjointly.

According to Sneha Menon the system is enforced exploitation genetic recursive net application. during this paper the system helps users to search out optimized journey. This paper is

helpful because it is low value system that helps in move for individuals from one place to a different.

According to Nayana M. Nale the applying is enforced for carpooling exploitation mechanical man application. during this paper automotive sharing is introduced during which quite one person will share one vehicle for move. This paper conjointly provides additional security. conjointly GPS navigation is employed to trace out driver's route.

According to Kapil Kamble the applying relies on mechanical man domain during which sharing of cars is completed for move purpose. during this paper it provides security of move in automotive, quite one person will travel and by sharing vehicle conjointly fuel expenses ar shared. Parking issues ar solved during this paper.

According to Yuvraj Nalawade the system relies on automotive sharing in order that individuals will share automotive to travel for about to an equivalent destination. it's Associate in Nursing eco-friendly application that consumes less fuel by sharing cars in order that range of vehicles is reduced and because of that pollution is unbroken in check.

According to Fu-Shiung Hsieh the system relies on net application. This paper helps to scale back issues like pollution and holdup because the range of vehicles is reduced because of carpooling application. Fuel prices ar shared between the passengers.

According to Mahomet Shahriar Rahman this paper may

be a net application. it's enforced exploitation web of things (IOTs). during this paper sharing of bikes is completed for move numerous distances for various functions. This paper includes resolution on problems like parking areas, holdup and pollution.

According to Avila Antao the system is employed for public transportation and it's eco-friendly. during this paper devour and drop service is provided for individuals move on same distances. It provides security. This paper conjointly reduces traffic connected problems and pollution issues.

**System Description**

The system in Figure 1 is enforced for Bike Pooling exploitation mechanical man Application. Bike pooling means that sharing of bikes among individuals for move purpose. By sharing travel and fuel prices ar reduced and conjointly carbon emissions are shrivelled because of less range of vehicles and therefore pollution is unbroken in check.

**CONCLUSION**

Bike pooling is Associate in Nursing mechanical man application that helps in reducing holdup and pollution drawback. This application is user friendly and conjointly useful for maintaining the inexperienced atmosphere. the applying is employed for traveling purpose. Guardian will get real time location of user if accident takes place. This application conjointly provides facility of giving notification once request is off.

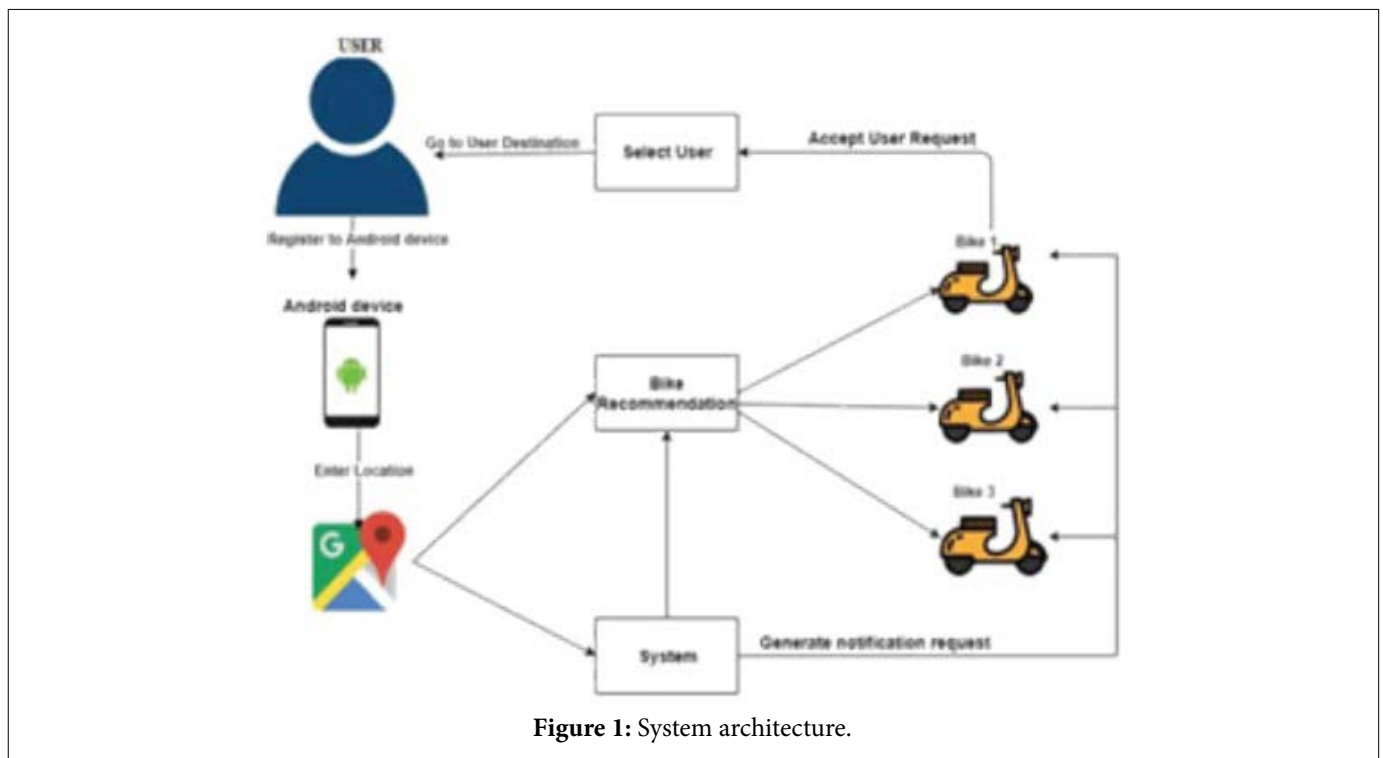


Figure 1: System architecture.