INTRODUCTION:

Parking problem is a global issue and a subject of concern for each and every city whether developing, developed or a smart city. A motorist even before reaching his intended destination in the city has the only wish in his mind that he finds a place in the parking lot and his heart leaps with joy at the site of an available parking space or a car pulling out of a parking lot just ahead of him.

The story of Belgaum city is no different. It is developing industrially and economically and a considerable number of vehicles are added to its vehicles count every year. However smart city becomes, the parking problem does not only persist but becomes as the time passes. Available paid parking lots are far away or inconvenient.

The solution to this problem can be derived by encouraging public involvement. Public involvement in this scheme can be promoted through the “Give Me Space” application.

This project is an android application for providing a parking solution for the Belgaum city. It encourages the public involvement for solving the parking problems which are growing each day. The application uses the GPS and Google Map for finding space for the user nearest to his location.

OBJECTIVES:

1. To encourage public involvement in solving the parking problems of the city.
2. To make efficient use of the spaces available by using them for parking.
3. To create an additional source of income for the people having parking spaces.
4. To reduce traffic issues and provide a safety for the cars parked.
5. This application will be helpful for both the public as well as the government.

METHODOLOGY:

In order to achieve the above objectives the following methodology will be adopted in the present work.

1. To survey the Belagavi City and the most crowded and congested areas of the city.
2. To create an interface for the owner of the parking spaces to add parking information like location, parking area, availability two/four wheeler vehicles and his/her mobile number.
3. To create an interface for the motorist to find the parking area near his intended/current location.
4. To create a database to solve the information that reflects the booked parking of particular driver to respective owner.
5. Testing the interaction between the users and the application.
6. Testing the performance of the application.
7. Analysis of results.
8. Conclusion and documentation.
9. Uploading the application to the Google Playstore and make it freely available for the people.

RESULTS AND CONCLUSIONS:
1. This application will help the user to find available parking spaces near his intended/current location.
2. The user can also find where he has parked his car through this application by seeing the car’s location.
3. The owner of the parking spaces can make some money through this application by renting their parking space when not in use.
4. Possible outcome in this work is to reduce the parking problems and traffic issues which will be beneficial for both the public as well as the government.
5. It can be supported on the android devices.
6. This application can be used as a source of income.
7. Can be used by any user having an android phone.

SCOPE FOR FUTURE WORK:
1. To provide a payment mode for money transactions.
2. To provide a wallet where the user can fill his/her’s money.
3. To provide the user an option to find parking in his intended area from his current location.
4. To provide an option using which the user can track where he has parked his car.

To upload the application on the google playstore and make it available for everyone using a smartphone.