

## Location Based Work Reminder

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### Abstract

The project entitled as “**LOCATION BASED WORK REMAINDER**” is one of the android application. In an existing system the user sets an alarm in the googlemap to track the location but cannot save the work. In the proposed system, the Application used to track the location people may have different work in different places. They may forgot to keep track of all the work which is associated at different places. Where user will be reminded about his work at certain place where the work is associated with. This system tracks the user location with the help of GPS. System retrieves the user's current geological coordinates, with the help of this system tracks user's current location. User must enter the task by specifying the location name and work at particular places. User can enter the multiple tasks. After entering the task details user will get the map in which the task location will be circled and he will get know the distance between his current location and the task location. Once the user clicks the start option user will get notification as he reaches near to the location. System will continuously checks the location of the user and gives notification to the user as user reaches task location. This system helps the user to set, edit the alarms as he wishes. This system also helps to check the task location on the map how far he is from the current location. The application is built using android with Java, Android Studio 2.3.3 as Front End.

**Keywords:** Alarm, Googlemap, Location

### 1. INTRODUCTION

The main objective of this project is to the user track the current location. In any alarm applications the user can perform the operations like find the current location and reminded. In this application when the user reached the task location the alarm and reminder will be notified. By this the user comes saw the reminder through which the main aim of the application is achieved. The application is built using android Java, Android SDK 2.3.3 as Front End.

### 2. PROPOSED SYSTEM

In this system, the user can able to get his current location and can browse any of location and add task reminder on that particular location through the map interface. When the user reaches the location, the application will check the task reminder's specified location. If the task reminder's location is matched with the current location of the user the alarm of task reminder will be

generated and an alert will be given to the user via notification about the task the user has set before. All these activities will be performed by using Google map and GPS services. Whenever the user passes by that location, the application reminds the user of the task through notification, therefore enabling the user to complete the task as promptly as possible. Simply display the task reminder until the user declines that notification. This project also allows the user to set multiple task reminders at the same location. And when the user reaches the specified location all the tasks that have to be performed are notified to the user so that no jobs are missed or left incomplete.

1. User friendly and flexible to use.
2. Compact in design
3. Alert with music or with digital voice.
4. Vibrate when mobile is in silent mode.
5. Allows the user to set multiple tasks in the same location.

### 3. MODULES

#### 3.1. Add locations

We can set their destination and current location based on their needs of travel. By using this module the user can set their destination and current location based on their needs of travel. And the point to point distance and traffic condition are displayed in this map

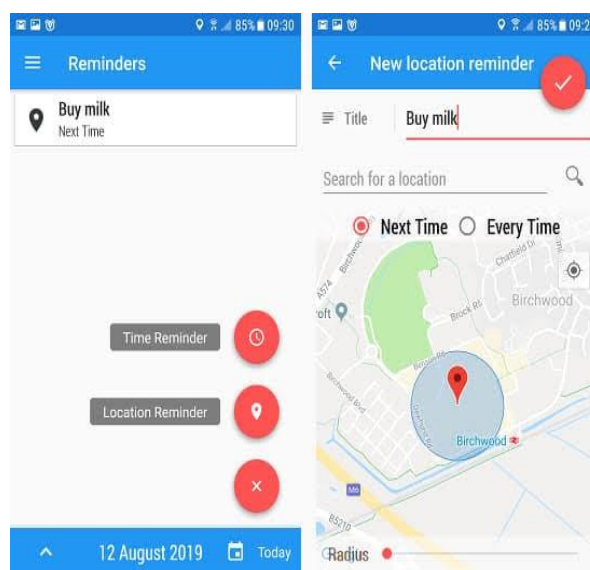


Figure No1.Add location

#### 3.2. GPS interaction

The module the GPS interaction of location update is changed based on their user's time limit. And check whether the GPS and the internet provider is enabled or disabled. Based on that the alert will shows to the android notification bar in android device.

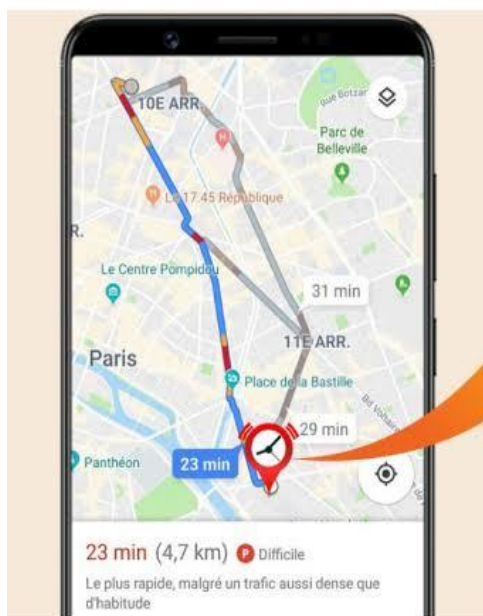


Figure No.2 GPS module

### 3.3. Alert Module

The alert service and location updates are done using the android Background services. This is main module of this project; in this the alarm service and location updates are done using the android Background services. The location updates is done by using the GPS and Internet providers. And the alarm is set using the android device alarm services.

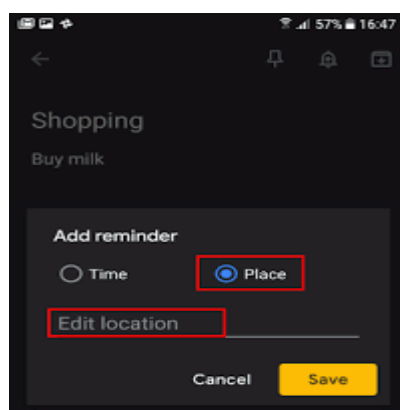


Figure No.3 alert module

## 4. CONCLUSION

The reminder based on the user's location such as the GPS ALARM application represents a synergy of an idea and the latest technology. The practical characteristic of the use can be seen in

the simple menu and easy installation, and the system functionality is immeasurable since the application is available at any moment. The reliability and accuracy depend primarily on the GPS system which gives us a large dose of security.

## 5. REFERENCES

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