# VISVESWARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-590 002

**Project Report**

**on**

# "LOCATION BASED REMINDERS"

**(Sponsored by KSCST)**

**Submitted as part of**

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***in***

**COMPUTER SCIENCE & ENGINEERING**

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# ABSTRACT

Location based architecture depends on the Location Wizard application. Location Wizard application, illustrating the key Activities, Services, Intents and inter-component dependencies (only a few class methods/attributes the high level class structure in a clean and concise manner). This is a background service runs in a separate process and can be started or stopped by the user. It uses a tracking algorithm that iterates through all the enabled reminder entries in the reminder database and triggers notifications when user enters and/or exits any reminder zones based on the specified trigger event.

The latitude and longitude coordinates are typically measured and expressed in degrees, minutes (1 minute = 1/60th of a degree), and seconds (1 second = 1/3600th of degree). For programmatic convenience we convert and store the latitude and longitudes in the form: [+-] DDD.DDDDD where D is degrees. The sign indicates western or eastern hemisphere (for longitude), and northern or southern hemisphere (for latitude). Moreover, Android's Location library provides built-in support for this notation.