

**KARNATAKA STATE COUNCIL FOR SCIENCE AND
TECHNOLOGY**
INDIAN INSTITUTE OF SCIENCE CAMPUS, BANGALORE-560012



A PROJECT REPORT ON

**“A SOFTWARE APPLICATION TO NAVIGATE USING
GPS AND GOOGLE MAPS”**

PROJECT PROPOSAL NUMBER: 37S0078

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ABSTRACT

Android is a new generation of smart mobile phone platform launched by Google. Android provides the support for mobile map and location service. Android is free and open, providing an easy-to-use development kit containing flexible map display and control functions. Google Maps API provides a number of utilities for adding individual content to the Google map and various web map applications can be explored based on Google Maps API. The application for GPS expands the use of GPS devices. It has a simple design and intuitive operation and environment.

The basic characteristic of the application is alerting the user regarding the reminder that is set with the event and the location of the event, when the user is within the range of the destination location and to display a route between the present user location and the set location. The big advantage is an on-line access to the application.

The results prove that the solution of mobile navigation system based on Google Maps is feasible and valid, and it can be installed in PDA, mobile phones and other portable devices which run on Android platform.