Intelligent Location Finder & Reminder

**Abstract:**

This paper is a proposal to design and implement an Android application, which is a navigation tool designed to help people when they travel to different locations. It displays places near to user's current location based on selected category and allows you to choose the nearest Bank, Bar, Gas Station, Hospital, Hotel, Movie Theatre, Restaurant, Supermarket, Theatre and Taxi. There is another option for the user to type a particular location name and find what he needs from there. This paper also deals with some location based intelligent services by by using ‘Geofencing’: a new and an innovative technology, based on telemetric and satellite positioning. Geofencing enables remote monitoring of geographic areas surrounded by a virtual fence (geofence), and automatic detections when tracked mobile objects enter or exit these areas. The paper presents fundamental concepts of geofencing and some applications based on this technique, in the transport & logistics sector. Tracking & tracing systems that are based on global navigation satellite services and include a geofencing feature. For an example we can set an alert to pay the electricity bill when we pass by the electricity office or an alert to meet a friend when passing nearby his home etc. A geofence is a layer of intelligence that allows you to make decisions or take some action based on a geographical area. It is not a physical boundary. It is not a new concept, but as our society becomes increasingly mobile (it's being reported that by the end of the year, the number of mobile-connected devices will exceed the world's population), developers and enterprises are realizing the added value that geofencing can bring to their businesses in terms of increasing marketing campaigns, driving traffic and therefore sales.