



SDSU
presents
MS Computer Science
THESIS DEFENSE

Thursday,
May 5, 2016
12:00pm GMCS 418

Bavya Kumaresan

Android App with Geofence
for Old Town and Related Locations

Abstract

In a short period of time smart phones have become very popular worldwide. Smartphone applications allow their users to have information at their fingertips.

Android App with Geofence for Old Town and Related Locations is an android based application which allows the user to get information about Old Town, San Diego such as the history, events for 2016, many historic sites in and around Old Town, nearby shopping, restaurant, hotels, maps and so on. The application also incorporates Gimbal Geofence technology which is a contextual aware program. Geofencing is a macro-location technology for areas 50 meters or greater in radius. Gimbal Geofence tells the application the entry and the exit time and the time spent there. By knowing this, we can send real time notifications to the customers inside the geofence. Using this technology, the app delivers Gimbal cards which provide us with information including the title of the card, coupons, address, and contact for restaurants. These cards are then stored locally for future use. The appropriate Gimbal cards are also delivered to some points of interest such as Balboa Park, Birch Aquarium of San Diego.

This android application is to provide users with the ability to access information about Old Town, and coupons, with ease and simplicity.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
Wei Wang, Department of Computer Science
Mark Dunster, Department of Mathematics & Statistics