SAN DIEGO STATE UNIVERSITY
Leadership Starts Here

SDSU
presents
MS Computer Science
THESIS DEFENSE

Thursday,
April 14, 2016

3:30pm GMCS 418

Shivangi Pyasi

Mobile Location Based Crime Statistics

Abstract

From the last couple of years, smartphone users have increased significantly in number. In the present day, one of the easiest way to share any information or news is through smartphones. Today mobile phone users are often extensively dependent upon application to accomplish their daily needs. These applications are readable and user friendly so all the users can use them easily. In the current era everybody is concern for the security.

This thesis implements a web application programming interface which is compatible to iOS, Android and tablets with the feature to analyze location based crime statistics. The user of this application can view the crime statistics as per the region. The application is also showing the crime information in detail. The application includes features such as showing all type of crimes with different markers. The marker would be decided according to the crime category. Also it is showing the current location of the users. The application would be available soon in the App Store. I am also saving my code in Git Hub for my future reference. It is very much useful for the renters, home buyers and tourist to ensure the location is safe. Moreover, the students can also be aware of the crime around the school. The application is using the google map API which is proving us the map by fetching the latitude and longitude of the selected location.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
Alan Riggins, Department of Computer Science
Carmelo Interlando, Department of Mathematics & Statistics