SDSU
presents
a thesis defense for
Master of Science
degree in
Computer Science

Friday,
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11:30am
GMCS 405

SAN DIEGO STATE
UNIVERSITY
Leadership Starts Here

Garima Verma

Location Based Computerized Multimedia Presentation
On American Football

Abstract

The focus of this thesis is to create a GIS tool presenting the history of most popular sport in United States: football on the US map. This is a geographic computer interactive tool that can make students more interested in American football, how it started, current NFL and CFL teams, Super bowl winners, rules and penalties, and a most important feature language translation, that will specifically help international students with diverse background.

North American has three significant spoken and written languages: English, French and Spanish. The primary technical focus here, rare in GIS tools, is making the application tri-lingual. Every attempt has been made to present a depth of subject knowledge through a lucid yet powerful interface. The application will be in JAVA and utilizes MOJO (Map Objects JAVA Objects), which is provided by ESRI. Using MOJO, GIS related features can be easily incorporated into the application by linking data to various geographical features on the map.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
William Root, Department of Computer Science
David Kahan, School of Exercise and Nutritional Sciences