CS Masters' Thesis Defense

Title: *World History Maps, A GIS Based Teaching Tool*
Speaker: Ravali Yadavalli
Date: Monday, October 10, 2011
Time: 3:00 p.m.
Location: GMCS 405
Thesis advisor: Dr Carl Eckberg

Abstract:

In view of contributing to the advancements in the field of e-teaching using modern mapping techniques, this Interactive Map Teaching Tool (IMTT) has been created for the History Department at San Diego State University (SDSU) by Ravali Yadavalli. This tool should aid in teaching students about geographic locations that are part of the History 101 course curriculum of the SDSU History Department.

GIS technology has been used in creation of geographic location types such as: selected cities, oceans and seas, straits and passes, rivers, and mountain ranges. Each of the geographic location types was established as a layer on a world map. Based on the requirement, the layer created was a point layer or polygon layer or a line layer. Generally, the selection of the layer type is dependent on the shape and total area of the location type to be mapped.

A dynamic user interface created using JAVA and the MOJO software package has been included in this tool for effective learning. Some of the user interface features provided in this tool include zoom-in, zoom-out, a legend editor, location identifier, print command, and a tool menu.