

SDSU

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

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3:00pm, GMCS 405

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GIS Tool to Locate Sikh Temples in US

Abstract

This tool is a GIS based interactive and graphical user interface tool, which locates the major Sikh temples of the USA on a map. This tool is using Java programming language along with MOJO (Map Object Java Object) provided by ESRI that is the organization that provides the GIS software. It also includes some of the integration with Google's API's like Google translator API. This application will tell users about the origin of Sikhism in India and USA, the major Sikh temples in each state of USA, location, name and detailed information through their website. The primary purpose of this application is to make people aware about this religion and culture. This tool will also measure the distance between two temple points on a map and display the result in miles and kilometers. Also, there is an added support to convert each temple's website language from English to Punjabi or any other language using a language converter tool so that people from different nationalities can understand their culture. By clicking on each point on a map, a new window will pop up showing the picture of the temple and a hyperlink that will redirect to the website of that particular temple. It will also contain links to their dance, instruments, music, history, and also a help menu to guide the users to use the software efficiently.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
William Root, Department of Computer Science
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