



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

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GMCS 405

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A Mobile Tool about Causes and Distribution of Dramatic Natural Phenomena

Abstract

Most Research suggests that tablet computers could aid the study of many scientific concepts that are difficult to grasp, such as places, time and statistics. These occur especially in the study of geology, chemistry, biology and so on. Tapping the technology will soon become critical career training for future generations. Teaching through mobile is more interactive and helps students to grasp quickly.

In this thesis an interactive mobile tool is developed which explains about the causes and distribution of natural disasters like Earthquakes, Tsunami, Tropical Cyclones, Volcanic Eruptions and Tornadoes. The application shows the places of disasters on an interactive map and it also contains YouTube embedded videos, which explain the disasters visually. The advantage of this tool is, it can be deployed onto major mobile operating systems like Android and IOS.

The application's UI is made very responsive using D3 JS, JQuery, Java Script, HTML, CSS so that it can adapt to mobiles, tablets, and desktop screens.

Thesis Committee

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