

CS Masters' Thesis Defense

Title: *Dynamic Projection of Data on Maps Based on Time-lines: Client Side*
Speaker: Krithika Mathivanan
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Abstract:

The series of events taking place over time can be recorded and represented as a timeline. GIS provides many ways in which this can be done. But this becomes a tedious task when additional information needs to be included at a later point of time or some data needs to be modified.

The motivation behind this thesis is to provide a simple GIS framework to create timelines dynamically using Google Maps API, JQuery, PHP. This tool provides an interactive GUI, enabling users to provide geo-spatial time sensitive data using Google Spreadsheets or KML files to provide input to the website and create the TimeLine Map the need to perform any code or have any knowhow of how the system works. The KML files are uploaded on a server and a parsing algorithm is used to extract the geospatial information provided in this file.

The tool is useful for History teachers to create timelines of events easily and project it on a map, and also make it easily available to students. This website is made with the help of Google Maps API, JavaScript Library and JQuery Mobile framework and will be hosted on the Rohan Server for public use.
