Sudhir Phophaliya

GIS Based Application Tool – History of East India Company

Abstract

The emphasis of the thesis is to build an intuitive and robust GIS (Geographic Information Systems) tool which gives an in depth information on history of East India Company. The GIS tool also incorporates various achievements of East India Company which helped to establish their business all over world especially India. The user has the option to select these movements and acts by clicking on any of the marked states on the World map.

The World Map also incorporates key features for East India Company like landing of East India Company in India, Darjeeling Tea Establishment, East India Company Stock Redemption Act, etc. The user can know more about these features simply by clicking on each of them. The primary focus of the tool is to give the user a unique insight about East India Company; for this the tool has several HTML (Hypertext markup language) pages which the user can select. These HTML pages give information on various topics like the first Voyage, Trade with China, 1857 Revolt, etc.

The tool has been developed in JAVA. For the Indian map MOJO (Map Objects Java Objects) is used. MOJO is developed by ESRI. The major features shown on the World map was designed using MOJO. MOJO made it easy to incorporate the statistical data with these features. The user interface was intentionally kept simple and easy to use. To keep the user engaged, key aspects are explained using HTML pages. The idea is that pictures will help the user garner interest in the history of East India Company.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
Kris Stewart, Department of Computer Science
Michael O'Sullivan, Department of Mathematics & Statistics