

WEB BASED INTELLIGENT TOURIST GUIDANCE SYSTEM

A dissertation submitted to the
Computer Science and Technology Degree Program,
Uva Wellassa University
in partial fulfillment of the requirements for the award of the
Degree of Bachelor of Science in
Computer Science and Technology

by

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October 2013

Abstract

In recent years several applications have been developed related to the tourism industry. But there is still a big need for detailed information on how tourists interact and how a tourist guidance system has to be designed for Sri Lankan context.

Several companies in Sri Lanka currently using some web based applications to move together with tourists, who are visited Sri Lanka. But without good knowledge in Information Technology it is not possible to serve and provide them with the updated information regarding Sri Lankan tourism industry.

Therefore to overcome those issues I have developed a rich web application. It gives the exact location of the place they want to travel in Sri Lanka with the shortest path, travelling distances (both on foot and on vehicle), average time taken etc... Further this application helps to maintain their own profiles so that they will have the accessibility to some wonderful features provide by the organization such as travel plan submission, use of guide predictions, use of advertisement predictions etc... Further it provides facility to create and maintain comprehensive profiles for both guides and advertisers. Furthermore it helps the site administrator to manage and maintain the web site content very easily and then it provides very precise graphs for traffic analysis and traffic prediction.

Finally this application consists of an android application that helps for the users who don't have a computer in their hand while travelling. They can simply access each and every facility in the web application using their mobile device at anytime, anywhere. So this application will facilitate to improve the Sri Lankan tourism industry through the World Wide Web in the next coming years.