

Accident Statistics Application Project

Danthai Soontonghow , Thanathon Thancharoen , Peraya Dawongsa

Junladis Khumwan , Chalida Siripong

Loeipittayakom School's student, E-mail:lpk36206@loeipit.ac.th

Loeipittakom School

Abstract

Accident Statistics Application Project, This project compiles historical and current road accident data, reorganizes it, and stores it as statistics for each area. The objectives are: 1) to serve as a database of road accidents for the general public and government agencies, and 2) to reduce the likelihood of road accidents. The experiment is divided into two phases: 1. Development of the accident statistics application. 2. Deployment of the application to the target audience, which involves user interface interaction, users inputting accident data, searching for past accidents, and using search filters for accident data from the past to the present. Additionally, feedback is collected post-usage for further improvement.

Experimental Results Upon user testing, it was found that the application is user-friendly. Retrieving past accident information is convenient and swift. The functionality of displaying data in a table format works efficiently. Accident reporting through the application can effectively filter similar incidents using a straightforward algorithm. Users can plan their journeys more efficiently and avoid dangerous areas. Comparing historical accident rates, the application significantly reduces the likelihood of accidents, thus protecting lives and property.

Keywords : Road accidents, applications

