

**A CRIME DATA ANALYZING
TOOL FOR THE SRI LANKA
POLICE**

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Abstract

Crimes are unpredictable and increasing rapidly within the society. People tend to commit crimes due to various reasons but the main factor is the economic downfall of uneducated people. A crime is described as an action that violates a country's laws. As a consequence of committing a crime, you can be sentenced to jail or fined. The Sri Lankan police stations are still using a manual process to document and handle crimes, which they record into police logbooks. Each police station has a crime map and a time graph that shows the crimes that have occurred within the area of the particular police station's jurisdiction. This map and time graph are maintained by the workplace police officers in the crime branch of police stations. It is used in order to make the duty allocations for the police patrols each day.

The project's goal is to digitize the map and time graph, with the option of crime verification via the system itself. The map will be modified after a crime has been entered into the system with all of the necessary information. Rather than keeping books, which take up a lot of storage space, this approach allows the police department to conveniently archive crime reports from previous years.

The requirements were gathered by conducting interviews with police officers. The crimes will be classified into six different categories which are standardly used by the Sri Lankan police stations. Additionally, the system will contain an analytical dashboard which will allow users to view the analytics of past crime data, this can be also used instead of the manual reports that are being created by officers with statistics.

The final output was tested with industry experts and technical experts for which they provided their valuable feedback. The future improvements, challenges faced and recommendations are some of the topics that are discussed within the context of the thesis.

Keywords – Crime Map, Analytical Dashboard, Crime confirmation, Duty Allocation