



INFORMATICS
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6COSC023W – Final Project Report

Automated finning system in Sri Lanka for high-speed driving

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Abstract

Every year, over 1.25 million people are killed in traffic accidents around the world. Every day, roughly seven to eight individuals die in Sri Lanka, resulting in approximately 3,000 deaths each year. According to the Road Development Authority, excessive speed is responsible for approximately 27 percent of highway accidents each year.

The project's aim is to design, develop, test, and implement a system in Sri Lanka that captures images of high-speed vehicles and uses image processing (optical character recognition) to identify the license number and obtain the owner's address in order to mail the fine. In addition, the violation made by the individual vehicle can be viewed by the authorized users (driver/owner and officers), and an option to pay the fines online.

People have a tendency to disobey rules, especially if they believe there are no consequences. By making it difficult to avoid being caught speeding, we can reduce the number of traffic accidents caused by speeding. The project will result in fewer accidents caused by high-speed driving, fewer drivers bribing police officers, and fewer police officers unjustly issuing fines. And decrease the annoyance of the fine payment process.

Research on the problem background has been conducted and mentioned in the literature review followed by similar solutions. Design and Methodologies followed are mentioned alone with implementation and testing.