

## **An E-Management Solution for the Sri Lankan Police Department to Improve the Efficiency of Service**

A. D.C.Alahakoon\*, K.G.H.Abeywardhana, S.S.W.Karunaratna and  
S.H.D.Senanayake

*Department of Computer Science and Technology, Uva Wellassa University, Badulla, Sri Lanka*

Lack of information sharing mechanism, duplication of data and delay of services were identified as the main problems in the Police Department of Sri Lanka. Therefore, an e-management solution was introduced to fulfill the above requirement. The efficiency of services in the Police Department will be improved by this e-management solution. Better and efficient services will be provided to the victims as well as police by automating the current manual process. This solution has two parts named web system and the mobile application. The computerized web system will facilitate complain handling and provide reports by printed documents and keeping criminal records on them. The records can be stored and retrieved more securely through this web system. The mobile application was introduced to communicate between police officers in each division in the Police Department very easily and fast. This application mainly consists of parts such as check people identification, check vehicle, add accident, add fines and message. Details of people and vehicle can be verified by police officers, who are out of the police station and messages can be exchanged more securely, fast and clearly by police officers through this application. The web system and the mobile application were connected by using web server through Json API and MySQL server was used to create the database of the research. Efficiency of police performance and procedures can be improved by this e-management solution through integration of previously separates information systems.

*Keywords:* E-Police, Web System, E-management, Mobile Application