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PERSON IDENTIFICATION SYSTEM: MOBILE CLOUD COMPUTING

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Abstract

Obtaining the true identity of a person has become a challenge in these days with the existing record keeping system in Sri Lanka which is known as national identity card. There are so many disadvantages in this system such as fake identity cards can be created to pretend as someone else and this card only shows some basic information such as name, date of birth, place of birth, occupation and address of a particular person. Besides this information there is no way to obtain his criminal activities, traffic offenses, bank details to the authorized community such as government security sector.

This research discusses a method of storing the information of Sri Lankans in a centralized database which is manipulated by a cloud application and a method to retrieve data from this database in a very accurate manner to a mobile device and provide facility to add records of people whenever necessary to the centralized database.

There are mainly three components in this system they are centralized database which is implanted using MySQL, cloud web application which developed using the PHP Zend framework, and the mobile application which developed using android platform.

Every person has a unique identity number in the ID card. This identity card number is used in the centralized database as well as to distinguish people from one another. This research introduces a new concept to the traditional ID card which is attaching a QR code to the NIC card. The mobile application has the capability to read this QR code and pass this information to the cloud application and cloud application integrate with the database.

This research introduced a new method to find the true identity of the citizens of Sri Lanka in a very efficient and very accurate manner.