ID 675

Application of Biometric System to Sri Lankan Prison System to Identify Inmates

NDP Thambara[1#]

[1]Faculty of Criminal Justice, General Sir John Kotelawala Defence University, Sri Lanka

[#]40-ps-m026@kdu.ac.lk

Abstract

A biometric system is a technology that identifies and verifies individuals based on their unique physical characteristics. Common biometric identifiers include fingerprints, facial recognition, iris patterns, and voice recognition. Traditional identification systems are used in Sri Lankan prisons based on manual, and non-biometric methods. These systems include physical documentation and use physical body features based on records. Because of these methods prison staff cannot do accurate and secure identification. As modern connectivity shapes the world outside, it can also reshape how prisons are managed parallel to other institutions. This study explored the possibility of integrating biometric technologies into the Sri Lankan prison system. The study aimed to evaluate, how viable and effective biometric systems can be for identifying and managing prisoners in Sri Lankan prison facilities. This included reviewing past methods used for inmate identification, investigating the potential adoption of biometric technology, and examining any challenges or drawbacks, that may arise from its implementation. A mixed research method was used. A questionnaire survey was used to collect prison staff's perceptions and prison statistics were used also used. It also compared the current identification methods with biometrics systems in other countries. The study shows that biometric systems improve security by reducing errors and attempts of escape and automating identification for efficiency. However, they are expensive and raise privacy issues. Effective implementation involves pilot projects, engaging stakeholders, and training staff. Despite initial obstacles, biometric systems promise lasting benefits in prison administration and security.

Keywords: *biometrics system, biometric technology, prison, identification, traditional identification*