

6BUIS020C – Final Project Report

**Automated Electronic Voting System using IOT  
paired with blockchain**

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## **Abstract**

This project aims to implement an electronic voting system for Sri Lanka using IOT technology and blockchain technology. The traditional system is no longer trustworthy and is extremely ineffective and costly, given the socio-economic situation of Sri Lanka. This project will be less of a financial burden in the long run given that it makes human labour obsolete. This will provide an idea for the future on given that it serves as a steppingstone to the various possibilities of Sri Lanka adapting towards a more digital solution.

This project is based on a web-based application and will be accessible using a raspberry pi and will have a biometric sensor to scan the fingerprint, the security that this system provides significant due to the ability to tamper with the system is slim to none.

In conclusion the proposed solution is a major technological step for Sri Lanka, this will give a transparent and secure voting experience and ensure that no discrepancies are left unattended to.