Development of a Biometric –based Electronic Voting System

By

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**CERTIFICATION**

This Post-data report with title **Development of a Biometric-based Electronic Voting System** submitted by **Agboola Damilola Florence** was carried out under

our supervision at Ladoke Akintola University of Technology, Ogbomoso.

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Attestation

I hereby attest that this research work was carried out in the Department of Computer Science and Engineering, Faculty of Engineering and Technology, Ladoke Akinola University of Technology, Ogbomoso, Nigeria.

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Dedictation

To the God Almighty, the Giver of life.

**ACKNOWLEDGEMENT**

My sincere appreciation goes to God Almighty for making me a partaker of this program and for also seeing me through it.

**ABSTRACT**

The manual voting method is no longer reliable due to its many manipulations and inefficiencies. Therefore, there is a need for an advanced voting system that could address these flaws inherent in it.

The purpose of this research project was to design a biometric voting system which is aimed at providing an e-facility for conducting free, fair and credible elections at all levels in the Ladoke Akintola University of Technology (LAUTECH), Ogbomosho.

The study highlighted the demerits of manual voting method, and devised an e-voting system of voting which eliminates the issue of rigging, vote buying, vote selling, and delay of results, impersonation, multiple voting and the likes.

The software is designed such that, voters are registered along with their fingerprint identification in a centralized database, voters authentication is carried out using a biometric device and they cast their vote using this same device connected to an electronic platform which generate the election result in real time.

Keywords: online, e-voting, biometrics, fingerprint identification, centralized database, authentication, election.

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