E-VOTING SYSTEM OF GOV. ALFONSO D. TAN COLLEGE

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ABSTRACT

Ones right to vote is very essential especially our voting principle, however, election results may be modified when delivered to higher elections committee, unauthorized voter may vote instead of the eligible voter and a vote may not be calculated. The development and widespread use of information technology is changing the way voters participate into any type of voting process of the school and ultimately, the way they vote. E-voting system will generate an accurate counting of votes to be able to know the result of the winning candidate and will give better satisfaction to voters. Thus, the proponents proposed the E-Voting System of Gov. Alfonso D. Tan College, a web-based voting system that can be deployed on smart phones and PCs, wherein voters can cast their votes on an established Wi-Fi hotspot networked to the system server. Electronic digital signature device is used to take signature, fingerprint scanner device is used to verify fingerprint and web-camera to take photo of the voters and the running candidates. The study will help encourage the students and registered voters to participate during the voting process. The study also helps the college to easily conduct any type of election and most importantly to reduce manpower. The researchers use the iterative waterfall model in developing the system to provide feedback paths from every phase to its preceding phases. The feedback paths allow the phase to be reworked in which errors are committed. UML (Unified Modelling Language) and DFD (Data Flow Diagram) is used to illustrate the interactions of the entities and also it shows the flow of the data. It was revealed that using electronic voting system is more comfortable than paper-based voting and it is more interesting than traditional voting system since it can reduce a number of election committee on voting process. Moreover, E-Voting system can replace the inefficient manual election and most importantly it provides faster and accurate counting of votes.

Keywords: Electronic Voting, Dynamic System, Electronic signature, Digitalize photo, Fingerprint verification

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The Researchers

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