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ABSTRACT

The Institute of Information and Computer Studies (IICS) is currently using a manual based election system which is the voters need to go to the election precinct just to cast their vote. However, the manner of computing the scores of the candidates is done manually by raising of hands. This method is resulted to the delay of counting of votes and subsequently the proclamation of winners. This paper aimed to develop an automated system to help the institute to efficiently produce the election result in real-time. Hence, the conceived solution was to design the developed system to be known as "Electronic Voting System using Mobile Devices" that would enhance the process of current election system. Development research and descriptive research designs were applied in this study that depicted the observations of the respondents based on factors that the objectives of the study. Moreover, the RAD model was used in the development of the system prototype. The mean statistics was employed to describe the level of usability and level of performance. A total of 105 respondents were surveyed as subjects of the study to include five experts. The data gathered through survey questionnaire that primarily solicited feedbacks from respondents based on researchers made survey instrument. Development research and descriptive research designs were applied in this study depicts the observations of the based on factors that defined on the objectives of the study. Findings of the study revealed that the functionality of the developed system, the level of usability as well as its performance were all described as "Very Good". These findings suggested that the respondents were impressed by the response time and processes of the developed system.