International Journal of Computer Networking, Wireless and Mobile Communications (IJCNWMC)
ISSN(P): 2250-1568; ISSN(E): 2278-9448
Vol. 4, Issue 2, Apr 2014, 155-168

DESIGN AND IMPLEMENTATION AN E-VOTING SYSTEM BASED ON SOPHISTICATED TECHNOLOGIES OF WIRELESS NETWORKS AND VISUAL PROGRAMMING LANGUAGES

MAHMOOD ZAKI ABDULLAH

Department of Computer & Software Engineering, The University of Al Mustansiriyah, Baghdad, Iraq

ABSTRACT

Electronic voting systems are the latest voting systems currently approved in many countries of the developed world, which has struggled to transform their traditional voting systems to electronic systems based on computerized ways and modern aspects of information technology. This paper gives a suitable design of a hardware system for a voting system that is electronically sophisticated by use of computerized mechanism that depends on computers associate with each other through a reliable wireless network using modern routers to guide and transfer packets. A software package, has also been building by use of a modern Visual language, like a Visual Basic.Net language, in order to achieve and test the hardware and software validity of this system. The hardware design of this system was tested practically by connecting a group of computers through a wireless network, the quality of all the signals transferred in the network were checked through the use of special software. The proposal software package was also implemented and examined practically, the results obtained were very good and without any errors, according to these results, this proposal system can be considered as a suitable programmatic design for modern electronic voting systems.

KEYWORDS: E-Voting, Wireless Network, Visual Programming