

{tag} International Journal of Computer Applications  
Foundation of Computer Science (FCS), NY, USA

[Volume 180](#)

-  
[Number 47](#)

Year of Publication: 2018

Authors:

Kamaluddin Yahaya Yakubu

10.5120/ijca2018917288

{bibtex}2018917288.bib{/bibtex}

## **Abstract**

The advancement in technology has transformed the way a lot of processes such academic, social, business and governmental are being carried out. Voting, which is a form of choice exercised by people is not an exception. Technology has been used to transform it from a manual paper-based system to an electronic system and the most recent which is mobile voting system. Infrastructure University Kuala Lumpur Students Representative Council (SRC) is a council that represents student interests in the management of the university. The council conducts elections for students to come and choose their representatives. It is currently using manual paper-based voting to conduct elections which is insecure, inefficient, prone to errors and malpractices and time consuming. This paper proposes the adoption of an Android-based Mobile Voting Application by the council that will enable students to cast their votes and track the results in real time. The application will also provide candidates with a centralized platform to campaign and attract voters. Rapid Application Development (RAD) methodology has chosen for the development of the application.

## References

1. F. A. Haziemeh, M. K. Khazaaleh and K. M. Al-Talafha, "New Applied E-Voting System," *Journal of Theoretical and Applied Information Technology*, Vol. 25, Num 2,-8645 ISSN 1992, pp. 88-97, 2011.
2. M. Mohit, M.Karthik, T.Rajavel and M. J.Sangeetha, "E-Voting System Using Android Application," *International Journal of Research in Engineering & Advanced Technology*, Volume 2, Issue 2, ISSN: 2320 – 8791, pp. 1-5, 2014.
3. S. Anamica and J. Jayavel, "Mobile Device Based Voting System Using the Visual Cryptography," *International Journal of Novel Research in Computer Science and Software Engineering*, Vol. 3, Issue 1, ISSN 2394-7314, pp. 210-214, 2016.
4. G. Manjunath, N. Sreenivas, Y. Abate and T. A. Weseni, "Mobile e-Voting Service for m-Governance in Ethiopia," *International Journal of Innovative Research in Computer and Communication Engineering*, Vol. 3, Issue 5, pp. 3702-3707, 2015.
5. D. R. Gawade, A. Shirolkar and S. R. Patil, "E-Voting System Using Mobile SMS," *International Journal of Research in Engineering and Technology*, Volume: 04 Issue: 09, eISSN: 2319-1163 | pISSN: 2321-7308, pp. 188-192, 2015.
6. Al-Ameen and S. Talab, "The Technical Feasibility and Security of E-Voting," *The International Arab Journal of Information Technology*, Vol. 10, No. 4, , pp. 397-404, 2013.
7. M. Hajjar, B. Daya, A. Ismail and H. Hajjar, "An E-Voting System for Lebanese Elections," *Journal of Theoretical and Applied Information Technology*, , pp. 21-29, 2006.
8. H. N. Oo and A. M. Aung, "Implementation and Analysis of Secure Electronic Voting System," *International Journal of Scientific & Technology Research* Volume 2, Issue 3, ISSN 2277-8616, pp. 158-161, 2013.
9. R. S. Rajashree, J. V. Bhagyashree, A. A. Akshay, G. R. Manoj and M. D. Phalke, "Literature Survey on Secure Mobile Based E-Voting System," *International Journal of Computer Science and Information Technology Research*, Vol. 3, Issue 4, ISSN 2348-1196 (print), ISSN 2348-120X (online), pp. 234-236, 2015.
10. M. A. Hegde, M. C. Anand and M. J. B, "Mobile Voting System," *International Journal of Science, Engineering and Technology Research (IJSETR)*, Volume 6, Issue 4, pp. 741-745, 2017.
11. F. Ahmad, M. Rafay and K. Haider, "MOBILE VOTING SYSTEM," *International Journal of Computer Science and Mobile Computing, IJCSMC*, Vol. 7, Issue. 1, p. 13–17, 2018.

## Index Terms

Computer Science

Information Systems

## Keywords

Voting System, Mobile Voting, Technology, Students Representative Council, Students

