

# Token Based Authentication for Smartphone

Yagnesh V.Chudasama<sup>1</sup> and Vinayak D. Howale<sup>2</sup>

Students, Department of MCA

Late Bhausahab Hiray S S Trust's Hiray Institute of Computer Application, Mumbai, India

**Abstract:** *In today world user privacy is most important and every user want to be secured. To overcome this issue the current scenario is text based authentication i.e. password based authentication. Password based authentication is less secured and can easily be hacked by hacker using some hacking methods and tools. Also, user preferred to remember easy password i.e. 123456 etc. and are not using complex password such as 12@34@5Six so it is easily identified and hacked. To overcome this issue Token Based Authentication can be used to as an alternative for text based authentication but its costly and required special hardware and software setup. This paper understands the current authentication scenario and survey the smartphone based authentication architecture and password algorithm.*

**Keywords:** Authentication, Dynamic Password, Mobile Token

## REFERENCES

- [1] Fadi Aloul, Syed Zahidi, Wassim El-Hajj “Two Factor Authentication Using Mobile Phones” proceeding of 978-1-4244-3806-8/0 IEEE Conference in 2009.
- [2] SIMSON L. GARFINKEL “Email-Based Identification and Authentication: An Alternative to PKI?” published by The IEEE Computer Society proceeding 1540-7993/03 in 2003.
- [3] Ghassan Kbar “Wireless Network Token-Based Fast Authentication” published in proceeding of 17th International Conference on Telecommunication 978-1-4244-5247-7/09 in 2010.
- [4] Sharma M.K., Gawshinde S., Parekh T., “Values of Authentication in E-Business” published in proceeding of 1st International Conference in 2011.
- [5] Do van Thanh, Ivar Jorstad, Tore Jenvik “Strong Authentication with mobile phone as token” Proceeding of 978-1-4244-5113-5/09 IEEE Conference in 2009.
- [6] Haidong Xia, Jos’e Brustoloni “Virtual Prepaid Tokens for Wi-Fi Hotspot Access” Proceedings of the 29th Annual IEEE International Conference on Local Computer Networks (LCN’04) 0742-1303-in 2004.
- [7] Hristo Bojinov, Dan Boneh “Mobile Token-Based Authentication on a Budget” in Proceeding ACM 978-1-4503-0649-2 in 2010.
- [8] L. E. Sebola and W.T. Penzhorn “A Secure Mobile Commerce System for the Vending of Prepaid Electricity Tokens”.
- [9] D. Ilett, “US Bank Gives Two-Factor Authentication to Millions of Customers” 2005.
- [10] A. Herzberg, “Payments and Banking with Mobile Personal Device” Communications of the ACM, 46(5), 53-58, May 2003.
- [11] “RSA Security Selected by National Bank of Abu Dhabi to Protect Online Banking Customers” 2005 Available at [http://www.rsa.com/press\\_rease.aspx: id=6092](http://www.rsa.com/press_rease.aspx: id=6092)