

# Smart Security Using QR-Code System

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**Abstract:** In today's world, security has become very important and it is must in any field like organization, educational institutes, hospitals and so on. In recent studies, it is found that QR code system has been arising to make payments, to access Wi-fi, to get course's information and so on. QR code is 2D type of barcode that stores data and can be retrieved by scanning device or scanning application. Overall, this paper aims to provide a secure and convenient way to check when an individual will enter or leave the premises in an organization, educational institutes, hospital and so on.

**Keywords:** QR-Code, Smart Security, Scanning device, Image Acquisition, Python, QR-Code Generation, Security

## REFERENCES

- [1]. A.S. Narayanan. "QR Codes and security solutions," International Journal of Computer Science and Telecommunications [Volume 3, Issue 7, July 2012]
- [2]. Wikipedia, Retrieved May, 22, 2014, from [http://en.wikipedia.org/wiki/QR\\_code](http://en.wikipedia.org/wiki/QR_code)
- [3]. P. Kieseberg, M. Leithner, M. Mulazzani, L. Munroe, S. Schrittwieser, M. Sinha, E. Weippl. "QR Code security," 2010.M. Wegmuller, J. P. von der Weid, P. Oberson, and N. Gisin, "High resolution fiber distributed measurements with coherent OFDR," in Proc. ECOC'00, 2000, paper 11.3.4, p. 109.
- [4]. Norton Safe Web , Retrieved May, 21, 2014, from <https://safeweb.norton.com/>.
- [5]. H. A. Wahsheh, Y. A. Wahsheh, R. A. Wahsheh, "Novel educational system for holy quran using QR codes," Proceedings of Al-Zaytona University International Engineering Conference on Sustainability in Design an Innovation ' 2014 May 13-15; Amman – Jordan.
- [6]. K. Liao, W.Lee. "A Novel user authentication scheme based on QR-Code," Journal of Networks, Vol. 5, No. 8, August 2010.
- [7]. H. S. Al-Khalifa, "Utilizing QR Code and mobile phones for blinds and visually impaired people," K. Miesenberger et al. (Eds.): ICCHP 2008, LNCS 5105, pp. 1065–1069, 2008.
- [8]. GoSafeOnline "QR Code – falling prey to malicious website," Monthly Newsletter – Issue No. 2013-06.
- [9]. Csoonline, Retrieved May, 21, 2014, from <http://www.csoonline.com/article/2133890/mobile-security/the-dangers-of-qr-codes-for-security.html>.