

Android based Attendance Management using QR Code

Choupri Shivakeshi¹, Surekha R², Supriya A³, Shivali J⁴

Assistant Professor, Department of Computer Science and Engineering¹

Students, Department of Computer Science and Engineering^{2,3,4}

Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari, Karnataka, India

Affiliated to VTU, Belgavi, Karnataka, India

Abstract: *Until today, most of the lectures in universities are found still using the conventional methods of taking student's attendance either by calling out the student names or by passing around an attendance sheet for students to sign conforming their presence. In addition to the time-consuming issue, such method is also at high risk of having students cheating about their attendance, especially in a large classroom. Therefore, a method of taking attendance by employing an application running the Android platform is proposed in this paper. This application once installed can be used to download the students list from a designated web server. Based on the downloaded list of students, the device will then act like a scanner to scan each of the students card one by one to confirm and verify the student's presence. The device camera will act as a sensor that will read the QR code printed on the student's card. The updated attendance list is then uploaded to an online database and can also be saved as a file to be transferred to a PC later on.*

Keywords: QR Code

REFERENCES

- [1]. Vishal Bhalla, Tapodhan Singla, Ankit Gahlot, Vijay Gupta, "Bluetooth Based Attendance Management System", in International Journal of Innovations in Engineering and Technology (IJJET).
- [2]. Ankita Agrawal and Ashish Bansal, "Online Attendance Management System Using RFID with Object Counter", in International Journal of Information and Computation Technology. ISSN 0974-2239 Volume 3, Number 3 (2013), pp. 131- 138.
- [3]. Pallavi Verma¹ Namit Gupta², "Fingerprint Based Student Attendance System Using GSM", in International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064.
- [4]. S.Kardy and M. Smaili, "Wireless Attendance Management System based On Iris Recognition", in Scientific Research and Essays, Vol. 5(12), 18 June 2010, pp.1428-1435.
- [5]. G. W. Wiriasto, R. W. S. Aji and D. F. Budiman, "Design and Development of Attendance System Application Using Android- Based Flutter," 2020 Third International Conference on Vocational Education and Electrical Engineering (ICVEE), Surabaya, Indonesia, 2020, pp. 1- 6, doi: 10.1109/ICVEE50212.2020.924310.
- [6]. X. Bai, F. Jiang, T. Shi and Y. Wu, "Design of Attendance System Based on Face Recognition and Android Platform," 2020 International Conference on Computer Network, Electronic and Automation (ICCNEA), Xi'an, China, 2020, pp. 117-121, doi:10.1109/ICCNEA50255.2020.00033.
- [7]. Fadi Almasalha, Nael Hirzallah, "A Student Attendance System Using QR Code", in International Journal of Advanced Computer Science and Applications, Vol. 5, No. 3(2014).