

Smart Attendance System using QR Code

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Abstract: *In the day-to-day life of teachers, workers, and student recording attendance are repetitive and time-consuming. In most places, the attendance system is marked manually it is not automated. It requires a lot of manual workforces to accomplish it. This project intends to make automatically save attendance records in the database. An automated attendance system can increase the efficiency and speed of taking attendance. In this attendance system, we have to adopt a mandatory development methodology. Some improvements have to be made before it is fully functional, for instance, the camera is not zoomable at the moment. In conclusion, the project achieved its objectives, which ultimately save lecturers' time in managing attendance, bring convenience to students on attendance registration, and reduce the likelihood of fake attendance records.*

Keywords: NPM, API, QR Code, Firebase

REFERENCES

- [1]. Lu Wei. Research and Implementation of Face Detection and Recognition based on Android Platform [D]. Southwest Jiaotong University, 2014.
- [2]. Zhang Peng. The number of users of mobile Apps in China has exploded [J]. Communications World, 2012, 46:11-12.
- [3]. Liu Chao. Design and Implementation of Face Recognition System Based on Android Platform [D]. Jilin University, 2013.
- [4]. Chiara Turati, Viola Macchi Cassia, F. S., and Leo, I. Newborns face recognition: Role of inner and outer facial features. Child Development 77, 2 (2006), 297311.
- [5]. Kanade, T. Picture processing system by computer complex and recognition of human faces. Ph.D. thesis, Kyoto University, November 197