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Android Application for : Secure Employee Track Vision

Shital Rajaram Somavanshi[1], Snehal Jalindar Bhand[2], Sanjana Dattatray Lende[3], Prof. Pratiksha Pansare[4]

Students, Department of Computer Engineering[1,2,3]
Professor, Department of Computer Engineering[4]
Samarth College of Engineering and Management, Belhe, Maharashtra, India

Abstract: *This project presents an Android-based application designed to enhance security and monitoring in restricted areas such as factories, warehouses, colleges, companies, and godowns through the use of QR code technology. The application enables the registration of authorized personnel by generating unique QR codes for each individual. Upon entering a restricted area, users can scan their QR code, which is then verified in real-time against a central database, ensuring that only authorized individuals gain access while maintaining a log of entries for security purposes. Key functionalities include user registration with QR code generation, real-time access control through scanning, a monitoring dashboard displaying real-time data on entries and exits, and an alert system that notifies security personnel of unauthorized access attempts. This project aims to improve security measures in sensitive environments, reduce human error in monitoring access, and streamline the tracking of personnel in restricted zones. By leveraging the simplicity and efficiency of QR codes, this application offers a practical solution to modern security challenges.*

Keywords: Android application, QR code, security monitoring, restricted access, personnel tracking, etc.