

ABSTRACT

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IMPLEMENTATION OF GPS (GLOBAL POSITIONING SYSTEM) TRACKING AND MONITORING, FACE RECOGNITION, AND FINGERPRINT RECOGNITION IN EMPLOYEE PRESENCE SYSTEM BASED ON ANDROID MOBILE ANDROID.

Presence is very important for several fields such as education and employment. In the field of work each employee is required to do a Presence before starting work and after finishing work, this is used as an assessment tool of the employee. In general, the Presence system is still using the old system such as fingerprint recognition using a machine or also using signatures to make it possible to reduce employee performance, especially field employees. This new presence system is implemented using an android mobile device and adds several features such as the Global Positioning System (GPS) track and monitoring, Face Recognition and Fingerprint Recognition as a complement and validation of employees who use this system. In the development of this new system using the waterfall method, the system design uses UML, with JAVA, PHP and MySQL programming languages.

Keywords: Presence, Android, GPS, Mobile, Monitoring, Face Recognition, Fingerprint Identification, Tracking. (xvi + 77 + Attachment)

Bibliography (2000-2020)