Abstract

Employees are expected to report on time for work and be productive. In Ghana, it is mandatory for governmental departments and agencies to record attendance of employees to work using biometric technologies to prevent attendance fraud. However, some infrastructural decisions can hinder staff not to register their attendance on time such as the devices to scan their features are quite far from the entrance to these agencies. It is not unusual for workers to forget to record their attendance. In the paper the experiment was built on existing technologies to prevent duplication of effort as much as possible hence the opportunities of smartphone ubiquity and its features were exploited to mitigate the stated problems. A bot was built riding on the Telegram messaging platform to implement the design. All programming for this experiment was done in Java. Springboot Framework was used to get this work done. Data captured was stored in Redis.

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Index Terms

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