

ABSTRACT

This final project aims to design a web server that displays employee attendance data at SDIT Al-Hidayah with the integration of WiFi and fingerprint technology. This project succeeded in overcoming the limitations of the previous attendance system which could only be accessed by admins, causing dependency and delays in accessing information. With a local web server, each employee can view their attendance data independently, making the process of checking attendance data more efficient and easier to access. This website was developed using HTML, CSS, and jinja2 for the frontend, as well as the Flask framework for the backend, with a SQLite database to store admin and user data. The implementation of this system has increased transparency, accountability and administrative efficiency in managing employee attendance at SDIT Al-Hidayah, in line with the initial expectations of the project.

Keywords: web server, employee attendance, WiFi, fingerprint, SDIT Al-Hidayah, administrative efficiency, transparency, accountability, Flask, SQLite