ABSTRACT

DESIGN AND DEVELOPMENT OF A WEB-BASED ONLINE ATTENDANCE APPLICATION FOR TEACHERS AT XYZ SCHOOL WITH GEOLOCATION AND SELFIE FEATURES

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This research examines the design and development of a web-based online attendance application with geolocation and selfie features at XYZ School. The study is motivated by the need to improve efficiency, accuracy, and transparency in teacher attendance management. The manual system previously used has proven to be ineffective and prone to fraud. This application is designed to assist the curriculum department in monitoring teacher attendance, providing detailed attendance reports, and supporting better decision-making. The approach used in developing this application is the System Development Life Cycle (SDLC) with the Rapid Application Development (RAD) method. The main features of the application include geolocation-based attendance recording, attendance verification through selfies, and attendance data visualization in the form of graphs. The research results indicate that this application can reduce time and effort in attendance administration as well as enhance teacher discipline and performance.

Keywords : Geolocation, Selfie, Presence, Teacher