

ABSTRACT

DEVELOPMENT OF SMART SCHOOL MOBILE APPLICATION

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The development of digital technology has driven significant transformation in the education sector, particularly through the implementation of smart applications that integrate learning, administration, and communication functions into a single integrated platform. This study aims to develop a Smart School mobile application designed to improve school management efficiency, strengthen interactions among stakeholders (students, teachers, parents, and administrators), and support more personalized and adaptive learning. Using Agile methodology and a mixed-method approach in research, the application is designed with key features such as interactive quiz-based individual assessments, automatic attendance tracking, digital payment management, and a centralized notification system. User needs analysis results indicate the need for a system that is easy to use, secure, and widely accessible to all stakeholders. As such, this application is expected to address the limitations of traditional education systems and create an efficient, inclusive, and sustainable education ecosystem in the digital age.

Keywords: Smart School, Mobile Application, Adaptive Learning, School Management, Centralized Communication.