

Development of a smart attendance system based on dynamic QR codes and GPS integrated with an AI chatbot.

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Abstract: In the context of increasing demand for effective human resource management, this topic focuses on developing an intelligent attendance system. By combining dynamic QR codes with GPS positioning and integrating artificial intelligence (AI) in a chatbot, the system is designed to automate the attendance process, providing a flexible and accurate solution for businesses. The research methodology includes both theoretical and experimental approaches to evaluate the system's performance. The expected outcomes of this topic not only enhance human resource management capabilities but also contribute to the field of information technology applied in business administration.

Keywords: Time attendance system, Dynamic QR code, GPS, AI chatbot, Human resource management