

Development of an AI-integrated clinic management system to support appointment scheduling.

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Abstract: In the context of increasingly advanced healthcare and rising demand for medical services, effective clinic management has become more important than ever. This topic focuses on building an AI-integrated clinic management system to support the appointment scheduling process. The objective is to develop a technical solution combining theoretical research and experimentation to optimize the registration and appointment management process. The approach involves designing a system based on an AI model to automatically determine available time slots, minimizing waiting times for patients. The expected outcome is to provide a practical solution that improves healthcare service efficiency and enhances customer experience.

Keywords: Clinic management system, AI in healthcare, Automated appointment scheduling, Application research, Process optimization