

Design of a monitoring and tracking system for leg rehabilitation training.

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Abstract: In the context of the increasing number of patients requiring leg rehabilitation, designing and implementing a system to track and monitor the exercise process becomes crucial. This project aims to build a system integrating IoT and AI technology to support doctors and patients in managing and adjusting rehabilitation exercises. The research methodology includes both experimentation and application deployment in hospitals, with the expected outcome of improving rehabilitation performance for patients while reducing the workload for medical staff.

Keywords: Rehabilitation, IoT (Internet of Things), AI (Artificial Intelligence), Exercise Monitoring, Hospital