Design of a gait control system to support the treatment of patients undergoing leg rehabilitation.

Nguyen Van Tuyen

Abstract: In the context of patients undergoing leg rehabilitation facing many difficulties during treatment, this topic focuses on designing and implementing a posture control system. The objective of the research is to build an effective support system for rehabilitation treatment using integrated sensor technology. The research method combines automation engineering theory and clinical experiments to ensure high accuracy in posture control. The expected outcome of this topic is to provide a useful solution for leg rehabilitation patients, while making an important contribution to improving their quality of life.

Keywords: posture control system, rehabilitation, automation sensor, patient treatment, experimental technique