

Design of a control system for the overhead crane in the Automation laboratory at the University of Information and Communication Technology.

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Abstract: This topic aims to meet the need for improving performance and accuracy in the operation processes of the overhead crane in the automation laboratory at the University of Information and Communication Technology (ICTU). Through theoretical research on modern control systems combined with practical testing methods, the objective of the topic is to design and implement an advanced control system for the overhead crane. This project not only aims to improve the quality of education and technical training but also contributes to the development of automation technology in the educational field. Expected results from this research include an efficient control system that enhances productivity and minimizes operational errors.

Keywords: Control system, automated overhead crane, laboratory practice room