

Building a communication program between a computer and peripheral devices using LabVIEW combined with a PIC microcontroller.

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Abstract: This topic aims to research and build an automation system that meets the requirements of effective communication between a computer and peripheral devices using LabVIEW technology combined with a PIC microcontroller. The project is expected to clearly define objectives for developing a user-friendly LabVIEW interface, optimizing the data transmission process between the computer and PIC, and conducting comprehensive system testing. The anticipated results of the topic will contribute to expanding the application capabilities of LabVIEW in the field of industrial automation, while also providing a foundation for studies related to computer-peripheral device communication.

Keywords: LabVIEW, PIC Microcontroller, Automation Interface, System Building, Application Testing