

Building a stepper motor control practice module

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Abstract: This topic aims to meet the need for enhancing practical skills in the field of electronic automation by building a specialized practice module for stepper motor control. Through the research process, the topic combines theory and experimentation to implement a control system based on microcontroller technology. The goal is to provide students and technical developers with a comprehensive understanding of the structure, operating principles, and design methods of stepper motor control systems. The expected outcome is the creation of a flexible module that can be applied in various fields such as autonomous robotics, telecommunications computing, and other electronic devices.

Keywords: Stepper motor, Microcontroller, Practical control