

Design of a DC motor speed control circuit displayed on an LCD using PIC18F877A

Nguyen Van Phuoc

Abstract: This topic aims to research and design a DC motor speed control system via an LCD screen, with the goal of optimizing motor performance in practical applications. By applying electronic engineering theory combined with experiments using the PIC18F877A microcontroller, the topic seeks to provide a reliable and easy-to-implement solution for DC motor speed management. The expected results from this research not only contribute to the field of electronic engineering but also create specific applications in automation systems.

Keywords: DC motor, PIC18F877A microcontroller, LCD screen