

Design of control circuit, speed stabilization for DC motor using AVR

Dam Thai Hoang

Abstract: In industrial practice, controlling and maintaining the precise speed of a DC motor plays an important role. This topic focuses on designing a control circuit using an AVR Microcontroller to stabilize the speed of a DC motor. Through theoretical research combined with experimentation, the objective of the topic is to build an effective and reliable control system. Expected results include developing a solution for applying AVR technology in the field of automatic control, contributing to enhancing the capability of manufacturing electronic systems for manufacturers and enterprises.

Keywords: AVR Microcontroller, Electric Motor Control, Automatic Control, Motor Speed, Industrial Automation