

Design of ventilation fan speed control circuit using PIC 16F877A

Bui Le Viet

Abstract: In practice, controlling the rotational speed of electronic devices is important. This project aims to address this issue by designing a rotational speed control circuit through processing signals from speed sensors on a mechanical system. The main objective is to build an automation system capable of adjusting the rotational speed as required, using the PIC 16F877A microcontroller for implementation. Through theoretical research and application deployment, the project aims to provide an effective solution for systems requiring stable rotational speed control.

Keywords: Circuit design, PIC 16F877A microcontroller, rotational speed control