

Building a smart parking model using PIC 16F877A microcontroller

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Abstract: In the context of the increasing number of personal vehicles and the demand for parking spaces, the issue of efficiently managing parking lots has become urgent. This topic focuses on building a smart parking model using the PIC 16F877A microcontroller with the goal of automating the management and control of vehicles, enhancing customer experience. By applying a research method combining theory and experimentation, this topic is expected to provide an effective solution for modern parking lots, while contributing to the development of automation technology in the transportation sector.

Keywords: Smart parking system, PIC 16F877A microcontroller, automatic vehicle management