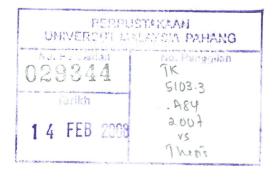
## HOME AUTOMATION USING BLUETOOTH TECHNOLOGY

## AHMAD THIBRAANI BIN TERMIZI

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Faculty of Electrical & Electronics Engineering
Universiti Malaysia Pahang

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## **ABSTRACT**

The world has witnessed significant advancement of technologies over the past decade. Those advance technologies existed to suit human's desire to make life easy and less complicated. Home automation is a system that is designed to enable user to "control" the house with only a few hits on the computer keyboard. Various "intelligent" appliances, i.e., microwave ovens, air-conditioners, washing machines and home theatres are set to realize the concept of a smart home. With home automation system it becomes possible to control home appliances, which can be interconnected and monitored using a single Microchip PIC16F877A microcontroller through a Personal Area Network (PAN) in home environment. This project focuses on the application of Bluetooth technology in home automation and networking environment. A network that is built in this project contains a master module and a slave module. The slave communicates with the master through a Bluetooth connection.