



**AUTOMATIC FAN CONTROLLER**

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**SUPERVISOR'S APPROVAL**

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This report is submitted to the Faculty of Electrical Engineering, University Technology MARA in partial fulfillment of the requirement for the Diploma in Electrical Engineering (Instrument).

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## **ABSTRACT**

This automated fan can be controlled using a microcontroller when it detects a certain temperature that has been set. The purpose of this project is to prevent the waste of voltage and energy usage when it is not hot enough for fan to be needed and also to save time the user. The automated fan has three different speeds. This project is a combination of electric supply, DC fan, led, LEDs display, temperature sensor and Arduino microcontroller. To complete this project, there are few steps need to be taken which are the selections of temperature sensor, power supply, fan, and also the software to design the circuit. This project is to ease the user, disable people and also can save more energy an automated fan controller using temperature sensor which will be controlled by Arduino microcontroller. The fan speed can be changed according to a certain level of temperature.