

FAN SPEED CONTROLLED BY TEMPERATURE

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A project report submitted to the faculty electrical engineering Universiti Teknologi
Mara in partial fulfilment of the requirement for the award of diploma of electrical
engineering

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SEPTEMBER 2015

ACKNOWLEDGMENT

Bismillahirrahmanirrahim,

Alhamdulillah. Thanks to Allah SWT, whom with His willing giving us the opportunity to complete this proposal Final Year Project which is title FAN SPEED CONTROLLED BY TEMPERATURE. This final year project report was prepared for Electrical Electronic Engineering, University Technology Mara Pasir Gudang (UiTMPG), basically for student in final year to complete the undergraduate program that leads to diploma of Engineering in Electric. This report is based on the methods given by the university

Firstly, we would like to express our deepest thanks to, Madam Nur Saa'dah binti Muhamad Sauki, a lecturer of Electronic (UiTMPG) and also assign, as our supervisor who had guided be a lot of task during semesters 4 and 5 session 2014/2015. We also want to thanks the lecturers and staffs of Engineering Centre UiTMPG for their cooperation during we complete the final year project that had given valuable information, suggestions and guidance in the compilation and preparation this final year project report.

Last but not least, deepest thanks and appreciation to our parents, family, special mate of us, and others for their cooperation, encouragement, constructive suggestion and full of support for the report completion, from the beginning till the end. Also thanks to all of our friends and everyone, that have been contributed by supporting our work and help myself during the final year project progress till it is fully completed.

ABSTRACT

This project present the design, construction, development, control and evaluation of an automatic switching speed electric fan. The microcontroller base automatic fan system presented in this project is required to fulfill the requirement of technologies “tomorrow will be more advanced than today”. The electric fan automatically switches the speed according to the environment temperature changes. This electric fan system contains combination of sensor, controller, driver and motor with integration of embedded controlled programming which means in this case using Arduino as the main controller. This project also presents the expected performance of the automatic fan system, construction of hardware and software development to gather the performance data. Finally, this system performance be evaluated by comparing performance data to the theoretical.

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