

FACULTY OF ELECTRICAL ENGINEERING

UNIVERSITY TEKNOLOGI MARA

PULAU PINANG

FINAL REPORT

CR – RC CAR

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**This report is submitted to the Faculty of Electrical Engineering,
Universiti Teknologi MARA (UiTM).
In partial fulfillment of the requirement for the award of Diploma in Electrical Engineering.**

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Date: 5/10/2016

ABSTRACT

Radio Controlled Car is used widely in the whole world in various way such as for sports, surveying, observing and toys. This RC Car will be controlled using a controller which will be attached with a transmitter to move or connect with the car which has the pair called receiver. This RC Car can solve many problem by using it specialty which is small and controllable. Moreover, this RC Car also will be attached with a camera so, it will ease the overall movement for the car. The RC Car connection can be further by adding much powerful antenna such as a circularly polarized antenna to reduced interference which come in 433MHz, 900MHz and 2.2GHz. It can cover over 2 to 5km on a flat surface. The distance will be shorter due to the any interference. For the main objective of this project is to ease human task in rescuing or observing mission which it can be a forerunner to see the incoming problem that will they face. Next, the movement of the car is just like a robotic movement which is 360° side by side by turning both of left tires to front and right tires to back or vice versa. The movement of this car is controlled using motor driver which is it task is which allows DC motor to drive on either direction.

ACKNOWLEDGEMENTS

In the name of Allah, the most compassionate and the most merciful, we would like to take the opportunity to thank Allah the almighty who have and always been helping us along the way until now that we have been able to go through all kinds of challenges and guiding us onto the correct path. Next, we also want to give deepest appreciation and gratefulness to our parents who have and always been praying for us, supporting us and love us in making us who we are now.

Firstly, the final year project is an opportunity that we had during the last semester was a great chance for learning and professional development. Therefore, we consider ourselves as a very lucky person as we are provide with this opportunity. We are also grateful for having such a great chance of meeting with great and wonderful people who are expert in simulation and hardware development for the project which we were able to learn new things from them.

Secondly, we are using this opportunity to express our deepest gratitude and special thanks our supervisor which is an electrical engineering lecturer, Madam Asmalia Zainal. She had guide us in doing this project from the beginning until we successfully complete this project. She who in spite of being extraordinarily busy with her duties, took time out to hear, guide and keep us on the correct path and allowing us to carry out our assignment.

Lastly, it is my radiant sentiment to place on record my best regards, deepest sense of gratitude to all lectures and technicians for their carefulness and precious guidance which were extremely valuable for our study both theoretically and practically.

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