FACULTY OF ELECTRICAL ENGINEERING

UNIVERSITI TEKNOLOGI MARA TERENGGANU

FINAL REPORT OF DIPLOMA PROJECT

SOLBOT VERSION 2

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"I declare that this report entitled "*SOLBOT VERSION 2*" is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree."

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All praise be Allah, most gracious, most merciful – peace and blessing of Allah be on his last messenger, Prophet Muhammad S.A.W. Who has shown us the right way through the darkness of ignorance an kufr.

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ABSTRACT

Our main purpose of this project is to construct and make a robot that can replace human to do advertising and welcoming people, while doing certain gesture that can attract people.

Our project SOLBOT II is design base from SOLBOT I. From SOLBOT I there are some problems that occur on the robot for example the motor can't work properly because of the weight and the solar charger do not work properly. So our purpose of this project is to make robot that can fully function using a solar panel as its power source and can move freely. During the day the robot will be recharge by using solar panel and when the sun is down it will fully functioning using battery.

This new robot will also use recycle material as its body component like SOLBOT I where it can reduce the cost of the making. And most of the body component are made out from aluminums and bottle to reduce its weight.

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