

**FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA TERENGGANU**

FINAL REPORT OF DIPLOMA PROJECT

THE SOLBOT

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“I declare that this report entitled “*The Solbot*” 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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ACKNOWLEDGEMENT

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 and kufr.

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ABSTRACT

This project is about a static robot alive with can make a movement such as movement on arm, head , and can also show some greeting display on their chest such as “Good Morning” or “Welcome to Our Faculty of Electrical Engineering” .

This project, codename ‘*SOLBOT*’ are designed and used the recycled material that commonly not used anymore such as mineral plastic bottle, some iron or metal and others. This project can be widely used in many situations for represent an *alive* landmark or mascot or commercial purpose. The interesting part of this project is this *SOLBOT* are made from recycled material and also used solar as energy source by means we can save a lot of garbage and energy and also can solve our global warming by recycle back useless material.

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