SINGLE TIER GPS TRACKING SYSTEM USING GSM TECHNOLOGY

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Project report is presented in partial fulfillment for the award of the

Bachelor of Engineering (Hons)

Electronics Engineering (Communication)

Of

UNIVERSITI TEKNOLOGI MARA (UiTM)

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JULY 2013

ACKNOWLEDGEMENT

The development of this project requires the contribution and cooperation from a lot of people. I would like to acknowledge to them who are giving their outstanding effort and contribution in order to make this project successfully. Without them and their contribution, this project may face a failure effort.

First at all, I would like to praise my thankful to ALLAH S.W.T for giving me capabilities to face all the obstacles during completing this project. I was unable to complete this project without His permission.

Secondly, I would like to thank to my project supervisor, Puan Yusnani Mohd Yussoff, project co-supervisor, Dr Mohamad Fahmi Bin Hussin@Mohamad who have always contribute their time and brilliant ideas on guiding me in completing this project. This project cannot be completed without their wise advises.

A part from that, I would like to thank Universiti Teknologi MARA (UiTM) Shah Alam, especially the Electrical Engineering Faculty for giving me an opportunity to do work on this project and also provide their facilities and equipments.

Lastly, I would like to express my grateful to my parents and fellow friends who are also giving their supports, ideas and comments upon completing this project.

ABSTRACT

One of the major factors contributing to the loss of laboratory equipment in the university is displacement of the equipment by the person in charge or taken out by illegal person. Recently, Global Positioning System (GPS) tracking device is one of the popular techniques in tracking the location of the target. The objective of this project is to develop a single tier GPS tracking system using GSM technology. In addition, the design and scope of the project will be flexible enough to support different environment without involving the third party company. This project utilized GPS and GSM module with microcontroller board based on the ATmega328 (Arduino Uno). The module comes with a Quad band GSM module and supports GPS technology for satellite navigation. This project allows tracking of the missing or stolen equipment based on the received SMS that contains GPS data (Latitude and Longitude) that is sent by the GSM module to the end users.

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