FLOOD DETECTION SYSTEM WITH GSM

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A project report submitted in partial fulfillment of the requirements for the award of the degree of Diploma of Electrical Engineering (Electronics / Telecommunications / Instrumentations / Computer)

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APRIL 2014

"I declare that this report entitled "***Flood Detection System with GSM***" 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 and glory goes to Almighty Allah who gave us the courage and patience to carry out this project. Acknowledgement is due to Universiti Teknologi MARA for providing support and facilities in carrying out this project.

Our deep appreciation and profound gratitude goes to our project supervisor Madam Syila Izawana Binti Ismail for his constant endeavor, guidance and the numerous moments of attention he devoted throughout the course of this research work. Her stimulating suggests made this work interesting and informative for me.

Acknowledgement is due to our fellow friend Amirul Mustaqim Bin Mohamad, with whom we had informative discussion at various stages of this project. Special thanks to our housemates and colleagues for their encouragement, motivation and pivotal support.

Finally, we would like to thank our parents for their understanding, support and taught us the good things that really matter in life. They still provide a persistent inspiration for our journey in this life.

ABSTRACT

Flood is one of the natural disasters that cause many destruction and losses to the victim. The consequences of flood are the losses of life and belongings, spreading of diseases, destruction of building and crops and so on. This disaster will affect the people and the country severely which is why we need to build a project that can detect the incoming flood so that the damage can be reduced. This project is built for home use which will alert the owner if the device is sensing a water rise in the house. In this way, it will allow the owner to take precautions step and time to save their precious things and their family before the water rise to a dangerous level. Furthermore, this device consist of a water sensor circuit, buzzer and GSM that connect PIC 16F783A. It will trigger the buzzer and the GSM will send a message when the sensor is detecting flood. The main purpose of this project is to prevent the loss of life, reduce the damage of household property and to give an appropriate time for the owner to take precaution step and evacuate.

Keywords: PIC 16F783A, Water Sensor, GSM, Buzzer, Aluminium Probes.

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