SMART TOILET

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

Faculty of Electrical Engineering
University Technology MARA

APRIL 2013

" I declare that this report entitled "Smart Toilet" is the result of my own group research except as citied in the references. The report has not been accepted for any degree and it not concurrently submitted in candidature of any other degree."

Signature : ....

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ABSTRACT

This project was created to focuses on using toilet wisely. This project consists of 4 major parts of circuit such as power supply, transmitter and receiver for infrared sensor, and water level sensor. The function of water level sensor was the most important in this project as it is used to control the cleanliness of the toilet. The water level sensor was connected to power supply circuit. The power supply circuit will convert from 12V AC to 9V DC. The water level sensor will control the amount of water that fill in the water tank. User of the toilet can out from the toilet if only the water tank was flushed. This water level sensor will produced solenoid retraction as an output to allow user open the toilets' door. The infrared sensor was detected humans' motion. This infrared sensor will produced lamp as output.

This smart toilet was very suitable to keep the cleanliness of the toilet. People nowadays just lack of responsibility. That is way this smart toilet is very important.

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