SMART SECURITY SYSTEM

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A project report submitted to the Faculty of Electrical Engineering,
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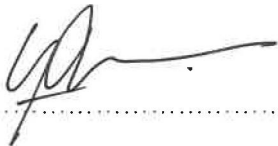UNIVERSITI TEKNOLOGI MARA
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APPROVAL SHEET

This project report attached here to, entitle *"Smart Security System"* by Muhammad Nadzamudin Shah Bin Ahamad, No.ID:2013234908 and MohamadYunus Bin Mohd Noh, No.ID:2013858826 in partial fulfillment of the requirements for the Diploma of Electrical Engineering is hereby accepted.

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ABSTRACT

Today we are living in century where crime become increasing and everyone wants to secure they asset at their home. In that situation, this project is created to overcome this problem so person will not worry when getting away from his home. This project is made to fulfill our objective to prevent the intruder from try to break our home and to reduce and minimize chances of losing our possession especially when the owner house are little busy have outstation to work for a few days or some family wants back to hometown and have to leave their home. Smart Security System, provide GSM (Global System for Mobile) which send fast information to user mobile device using SMS.

The hardware of this system has been designed using arduinouno, PIR motion sensor as the primary sensor for motion detection, GSM module, LED for lamp and buzzer for alarm. This security system can monitor home area that surrounding by PIR sensor sending SMS and make the intruder panic and the people will be alert by turn on the lamp and alarm when trespassing the area that detected by PIR sensor.

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