UNIVERSITI TEKNOLOGI MARA

FINAL REPORT OF DIPLOMA

CORNER SENSOR

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"We declare that this report entitled "CORNER SAFETY SYSTEM" is the result of our 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

Bismillahirrahmanirrahim,

In the name of Allah Most Gracious and Most Merciful, special thanks to our supervisor, Sir Fadhli Dzul Hilmi Bin M.Fauzi who is always support and concern to us in making this proposal done properly. Since we are in semester 5 the project was giving us a lot of hardships but we can cope with it.

We generate many of ideas in as to get the best project. Sir Fadhli guide us in making the right choice so that it can make us done it easily. After negotiation, our group choose 'corner safety system' as the project work. We are grateful because we are able to achieve our target. All the equipment is around the corner then we have no worry about getting the items. Our friends also give a hand and were sharing our opinions so that there will be less flaw appears.

Although we were having some difficulties like error in coding we work hand in hand to settle it down. Here, it shows that teamwork is crucial and we need to face the predicaments wisely. As a result, we could finish our task in systematic, efficiency and effectiveness. Hence, it run smoothly.

Last but not least, we would like to give special thanks to our family who are the backbone that playing the vital roles in giving concern and support in term of morale support and money in completing this proposal successfully. Without them we are nothing at all.

In a nutshell, we already put a lot of efforts into this and once again we would like to thanks to all parties that involved with us in making this proposal done completely.

ABSTRACT

The corner safety system is a guiding machine which can alert a driver when taking a corner. With the aid this system, driver will be more cautious on opposite car so that they will not taking over cross on the side lane.

In this project, we choose Analog Distance Sensor as a vehicle detector because this sensor can effectively detect any object pass through the line range. The range of the sensor is about 10cm to 80cm. Thus any object pass through within the distance, the sensor will process the signal to be sent to PIC. Then, the output is we use LCD display to give the first warning.

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