

# INTELLIGENT MAILBOX PHONE ALERT

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A project report submitted to the Faculty of Electrical Engineering,  
Universiti Teknologi MARA in partial fulfillment of the requirements for the award of  
Diploma of Electrical Engineering.

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MALAYSIA

SEPTEMBER 2015

## **ACKNOWLEDGEMENT**

Alhamdulillah, finally the Final Year Project (FYP) report is completed. In order to complete this report, we were in contact with many people. They have contributed towards our understanding and thought. First and foremost, we would like to express our sincere appreciation to our supervisor, En. Muhammad Zairil Bin Muhammad Nor who is really kind, patience and continuously guided us by share her time and knowledge.

Besides, special thanks to our parents because always give a moral support and finance to complete this project. Thanks friends especially to our housemates for the collaboration in helping to complete our model project. Other than that, thanks a lot to our lecture, Dr. Muhammad Asraf bin Hairuddin because help us in making the program for our project.

## **ABSTRACT**

In Malaysia, almost every day we read about burglary cases reported in local newspapers. These cases have been one of the most serious problems that happen in our country, Malaysia. Some people mailbox is very important to them. They works depend on the customer mail. For example, lawyer, banker, online business and writer they need feedback letter from their client as their backbone to move forward and to ensure their business going well. Also some of country they have a mail robbery issues either their mail has been stolen or their mail post box been smashed. Intelligent mailbox phone alert is a project that useful for human being to organize their letter. This project will help people to save their time without checking their mailbox frequently. People will be notice that they got the letter on that time. By using Arduino uno and GSM module this project will notify and automatically inform the owner or user when their mail was delivered.

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## CHAPTER ONE

### INTRODUCTION

#### 1.1 Background of Study

This chapter will discuss a brief about the introduction of the project. Where, it state about the purpose of the project, objective, scope of work, problem statement and advantage acquire from the project.

Nowadays, cellular is one the most important system that been used to connect people. GSM is a cellular network, which means that mobile phones connect to it by searching for cells in the immediate vicinity. GSM (Global System for Mobile Communications: originally from Grouped Special Mobile) is the most popular standard for mobile telephony systems in the world. Its ubiquity enables international roaming arrangements between mobile phone operators, providing subscribers the use of their phones in many parts of the world. GSM differs from its. Previous technologies in that both signal and speech channels are digital, and thus GSM considered a second-generation (2G) mobile phone system. This also facilitates the widespread implementation of data communication applications into the system.

This project is mainly about a system based on real monitoring to ensure the mail is arriving at home. The Smart Mail Box is a normal mailbox with a system where it will automatically inform the owner of the house that they got a mail at home. Intelligent mailbox phone alert will leave a message via (SMS) short message system to the number that been registered.

We are using a LDR sensor with it is a photo resistor that will detect the light intensity. Light intensity that LDR will detect can be determine by user using an analog reading. Once the LDR detect changes in light intensity system will send short message system (SMS) via GSM to the number that have been recorded to the system. Therefore, the owner will automatically notify that they got a mail at home, office or etc.