"YOUR MEAL IS READY" NOTIFIER @
CUSTOMER CALL SYSTEM

ADIBA BINTI ABD GHAFAR
SITI KHADIJAH BINTI SHAMSUDDIN

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.

FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA
MALAYSIA

SEPTEMBER 2015

APPROVAL SHEET

This project report attached here to, entitle "*Your Meal is Ready notifier @ Smart Call System*" by Adiba Binti Abd Ghafar, No.ID:2013832858 and Siti Khadijah Binti Shamsuddin, No.ID:2013690138 in partial fulfillment of the requirements for the Diploma of Electrical Engineering is hereby accepted.

This thesis is approved by: Date:

....   7/10/2015

Ms. Farah Yasmin Binti Abdul Rahman

Project Supervisor

Faculty of Electrical Engineering

Universiti Teknologi Mara

ACKNOWLEDGEMENT

ABSTRACT

Nowadays, table call system has been known widely in most restaurant industries. However, a difference can be made by developing a customer relationship management for counter and self-collection operation. Today, restaurants are crowded with people entering and leaving the restaurant. However, the restaurant system is not well-organized during peak meal times. The queue of taking orders at the counter will be long. Moreover, waiters will be outnumbered thus causing people to wait for a long period of time. A system needs to be developed that would help Inform customers when their meal is ready allowing customers to tolerate longer wait times.

This project is applicable at food courts, restaurants, cafes and self-service counters as it offers a solution to eliminate long lines and chaotic crowds during peak meal times. Customers are free to wait at the table, knowing that they will be notified automatically when their foods are ready to collect from the counter.

This project is using the concept of transmit and receive. It will only function if both system works as they are linked using PIC16F877A.The transmitter will transmit the data to the receiver (a device given to the customer) by pushing the push buttons. When the receiver receives the data, the customer will be notified that their foods are ready. There will be two message displays which are "Please wait :)" and "Meal is ready!". LED will blink and the buzzer will turn on.

TABLE OF CONTENTS

CHAPTER	TITLE	PAGE