INTERFACING A PRINTER TO CHEQUE DEPOSITED BOX WITH THE MECHANISM

Thesis is presented in partial fulfillment for the awarded of the Bachelor of Electrical Engineering (Honors)

UNIVERSITl TEKNOLOGl MARA

NOR BAYAH B1NTI OTHMAN
Faculty of Electrical Engineering
UNIVERSITl TEKNOLOGl MARA
40450 SHAH ALAM
SELANGOR, MALAYSIA

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ABSTACT

This project proposed a low cost deposited cheque to provide the cheque deposited box at their entire branch will greatly increased their operation cost and will help bank's officer to reduce the time taken to process the cheques. This cheque deposit box (CDB) is implemented using the AT89S53 microcontroller which is connected to the other devices like real time clock (RTC), switches, LED, electrically erasable programmable read only memory (EEPROM), printer and barcode readers to perform a function as a conventional cheque deposit machine (CDM). Microcontroller is the main devices that used to control all the operation of this CDB. The development of new cheque deposited machine (CDM) which is known as cheque deposited box (CDB) are succeeded. CDB can function as conventional machine which are able to receive and keep a cheque deposited from customer. Its function is not only for that purposes but also has a capability to record the date and time of the cheque deposited by the customer. CDB is a simple and easy for customer to deposit their cheque. The machine and process status that indicated by LED are successful. Therefore when they used the machine, they will know the status *of* the process although there is no provided a screen to display it.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Banking is the one of the institution that very important in human needs. The problem in banking institution today is the customer need to long queues and do not enough time to make this transaction.

Certain bank today's have a machine that solve this problem that call Cheque Deposit Machine (CDM). This machine only provided at the certain bank like the main branch. The factor that causes the CDM are not at the all branches is cost factor. The CDM today is very expensive, therefore the bank does not provided the CDM at their branch because they want to reduce the operation cost [11.

The other problem that banking institution meet is the time taken to process all the cheque that collect by the cheque deposit box, where the offices still need to key in the important data figure in the cheque.

The CDB is developed to overcome the limitation that experiences in certain conventional CDM. cheaper and user friendly. This CDB able to receive, keep and record the cheque deposit, and also record the important data from the customer transaction. This CDB a'so can reduce the time taken to process or key in the data of the cheque that the bank need.

CDB is having a similar function as the conventional one CDM which allow depositing cheque in the envelope into the box and printing the receipt to show