

**DEVELOPMENT OF COMPUTERISED RESTRICTED
ENTRY SYSTEM USING BAR CODE READER AND
PERSONAL IDENTIFICATION NUMBER**

**This is presented to fulfill the
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ABSTRACT

This report is concerned on the investigation of a computerised restricted entry system using bar code reader and personal identification number (PIN). It consists of three major components as will be discussed in this report ; namely ;

- . Bar code reader**
- . Controller**
- . Programming**

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1.0 INTRODUCTION

1.1 Background on available security system

This provide certain security level ; where authorisation are through issuance of those cards. Controls are provided centrally ; normally automated making use of computers. Modern security system uses identification card to allow access an office, room etc.

There are many type of the security system available in the market. Possible technologies available, includes ; bar code card, magnetic stripe card, smart card, wiegand card and proximity card. This cards have the advantage and disadvantages by using its. It means that the card have the characteristic itself that the user can used the card for personel owner such as business card, etc. This characteristic are to be describe in the next chapter. This project will use the bar code system because it is easy to ease of producing code labels. The cost to produce the bar code is cheap and easy to implement a bar code system.

The aim of this work is to investigate the system development of computerised restricted entry system using Bar Code Reader and Personal Identification Number. This study involves two section ie. hardware development and software development.