# THE DEVELOPMENT OF TELE-COMPUTER CONTROL SYSTEM

**Thesis is presented in partial fulfillment for the award of the Bachelor of Electrical Engineering (Honours)**
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# ACKNOWLEDGEMENT

**In the name of Allah**

**Most Gracious Most Merciful**

Firstly, I would like to express my gratitude toward my supervisor Mrs. Wan Norainin Wan Abdullah for her kindness in allowing me to work under her. Her guidance, motivation, and full support are greatly appreciated. Without her this work might not be successful.

I am also indebted for the various help and discussion offered by my engineers, colleagues, friends, lecturers and staffs of Electronic Lab for their support and advice.

Lastly, but not least, I also like to express my thanks to my family for their understanding, support, and encouragement in completing this course and thesis.

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**April 2000**

## ABSTRACT

Today modern Telephone Network System offers a vast of communication for all the widely available telephony devices such as telephone, cellular phone, modem, fax, internet connection and a lot more. This thesis describes the development of a Tele-Computer control system application and how to control remote devices, which could be anywhere in the Speech Network by utilizing the existing telephone system. The major controlling work is done via the custom developed hardware and the control software, which is written in Visual Basic (VB)

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# CHAPTER 1

# INTRODUCTION

## 1.1 Introduction

The telephone is one of the many devices that are becoming a basic necessity in our daily lives that they can be considered indispensable. It is hard to imagine living without it. In fact, telephone has out grown its original function of communicating two persons in conversation at a distance. Today, the telephone line provides access to other services such as the Internet, video conferencing, and telephone answering service. This entire thing was not imagined a few years ago.

The telephone lines make a viable avenue through which to remotely control home and office equipment and appliance. For example, imagine that while you are away from home, you are able to dial in and establish a remote link between your location and your home PC. Then once the link is established, you're able to input a couple of telephone keystroke that tells the PC to turn on a microphone so that you can monitor your home. Other applications of such a system might be to set an alarm, turn ON or OFF a light, a heater, or an air-conditioner before you get home. You could even use you portable cellular phones as a remote controller while you are on the premises.

With a PC and the simple circuit-dubbed the Tele-Computer Controller is developed. The telephone line can be used to remotely control devices at home or office in the while you're away.