


Improvement to the Appointment System for Clinic: A case study in UUM Clinic

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**Improvement to the Appointment System for Clinic:
A case study in UUM Clinic**

A thesis submitted to the Graduate School in partial fulfillment of the
requirements for the degree Master of Science (Information Technology)
Universiti Utara Malaysia

By

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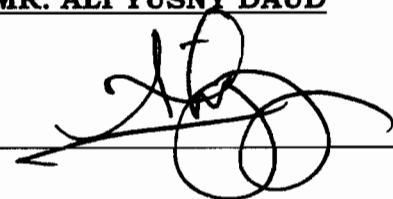
**IMPROVEMENT TO THE APPOINTMENT SYSTEM FOR CLINIC:
A CASE STUDY IN UUM CLINIC**

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Abstract

Success in emerging new technology can be vital for future prosperity; therefore, any clinic wants to provide high efficiency in presenting its services to patients and implementing efficient interaction activities between its department and patients through clinic online system. Patient services have played essential role in the health care for the society. Patient services and patient waiting time are problems that medical institutions centers faced, because desktop appointment system takes long time for the patient to meet the doctors. As a consequence, the aim of this study is to reduce long waiting time of patients. In actuality, doctor's efficiency will be increased in some certain level. Current appointment system normally runs in hospitals or clinic randomly. The patients who are appointed at the later interval will wait much longer time. The purpose of this research is to reduce the long waiting time through internet to make adjustments patients' appointment number and interval these appointments through internet. Consequently, patients can be able to make appointments through Web/WAP-based applications system service, to improve patient accessing, to enhance patient and physician satisfaction, and to increase practice productivity. Moreover, there is even evidence that promote better outcomes and lower overall costs of care.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

With the fast rapidity world people live in, people always look for better, faster, or more convenient ways to enhance their lives. If something makes sense, chances are people will take advantage of it and adapt it to their daily lives within reasonable cost. Obviously, the development of the internet is a perfect example in this electronic age, which has already made a huge impact in virtually every feature of our lives.

However, one of the majority important complaints from the lack of quality and convenience in the health care organization. The major key is to provide a meaningful accessibility and communication between the patients and their doctors in order to build a relationship of trust and reliability. As the world population grows and ages, the demand for health care services grows with it. Therefore, it is so much more essential and important to deal with those needs and attempt to provide a service with ease of use, accessibility, and scalability.

The contents of
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