# WEB-BASED PATIENT MEDICAL RECORD HISTORY

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# WEB-BASED PATIENT MEDICAL RECORD HISTORY

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# ABSTRACT

This study explores in developing a system prototype for the Patient Medical Record History (PMRH) in the health care centre at UUM. This project aims to enable physician and patients to get access to the Patient Medical Record History (PMRH), and get needed information from anywhere and at any time. This will change the PMRH from the tradition way to save and retrieve the data from the patient records which is the paper work, into computerized method and by implementing the web based applications to provide the ability to access this information from anywhere and at any time.

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# LIST OF ABBREVIATIONS

| | |
|---|---|
| IT | Information Technology |
| EMR | Electronic Medical Record |
| EHR | Electronic Healthcare Record |
| ICT | Information and Communications Technology |
| ASP | Active Server Page |
| IIS | Internet Information Service |
| UML | Unified Modeling Language |
| UUM | Universiti Utara Malaysia |
| EHCR | Electronic Healthcare Record |
| IHC | Integrated Health Care |
| PMRH | Patient Medical Record History |

# CHAPTER 1

# INTRODUCTION

## 1.1 Introduction

Information technology (IT) is increasingly considered as the most important tool for improving patient safety and quality of medical records care, especially by promoting the practice of evidence-based medicine (Miller & Sim, 2004).

According to (Samira Ali, 2006), the deployment of electronic healthcare records on the internet is rapidly growing as means of communicating health information. The internet technology can improve some issues of accessibility, availability, and use of health information and is considered a convenient and cost effective resource; this technology also places sensitive data on the Internet, some which may involve patient health records. This raises issues of privacy, confidentiality, and security of electronically based health information.

Electronic medical record systems is referred to as patient medical record from different sources related to patient treatment ,diagnosis ,lab, imaging history, prescription and allergies that can be accessed from various sites within the organization(Rind , 1997).

The spreading of electronic medical record systems in recent years assists in realizing this goal by enabling medical record information sharing among disparate entities involved in the treatment of patients (dick, 1997)

The contents of the thesis is for internal user only

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