

**ON-LINE MOBILE STAFF DIRECTORY SERVICE: IMPLEMENTATION FOR
THE COLLEGE OF ARTS AND SCIENCES (CAS) – UUM**

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College of Arts and Sciences (CAS) – UUM**

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fulfilment of the requirements for the degree Master of Science (IT)
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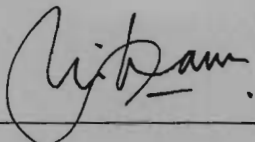
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ABSTRACT

Mobile Directory Services came to exist to help users to find the information they need wherever and whenever they are. With the increasing popularity of mobile communications and mobile computing, the demand for mobile directory services applications grows. This study leads to develop mobile web based directory service for college of Art and Science to provide students with information and services about lecturers or supervisors via their hand phones.

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LIST OF ABBREVIATIONS

API	Application Program Interface
DAP	Directory Access Protocol
DIS	Directory Information Server
HTML	HyperText Markup Language
IDE	Integrated Development Environment
JSP	Java Server Pages
LDAP	Lightweight Directory Access Protocol
MBSD	Model Based Service Directory
MI	Mobile Internet
OMG	Object Management Group
OMSDS	Online Mobile Staff Directory Service
PDA	Personal Digital Assistant
PUEU	Perceived Usefulness and Ease of Use
RDBMS	Relational Database Management system
RUP	Rational Unified Process
TAM	Technology Acceptance Model
UML	Unified Modelling Language
UUM	Universiti Utara Malaysia
WAP	Wireless Application Protocol
WML	Wireless Markup Language

CHAPTER 1

INTRODUCTION

This chapter briefly explains the background of the study, in which we will discuss the utilizing of mobile web based technology in developing an online directory service to help students retrieve contact details and information about one given academic staff. The problem statement, objectives, significance and scope of the study will also be introduced.

1.1 Background

With the rapid development of computer science technology and the popularity of web solutions, the Internet has become a major means for collecting and displaying information. Many computer applications are developed to help users make decisions concerning the management of staff information, and communication through and outside the organization (Steiner et. al, 2005).

The explosive growth of mobile devices including phones, personal digital assistants and pagers presents tremendous opportunities for companies to increase sales, improve productivity, and provide better service. But simply making existing applications available over mobile devices doesn't completely capitalize on the

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