

**A SUSTAINABLE MOBILE WORKSHOP APPLICATION FOR PROVIDING
USERS WITH THE LEARNING MATERIALS**

A thesis submitted to the College of Arts and Science
In partial fulfillment of the requirement for the degree
Master of Science (Information Technology)
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By

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ABSTRACT

M-learning has gained significant popularity and it is expected to continue in the future. M-learning is a multi-dimensional activity where each dimension should be most organization adequately supported by an M-learning system to provide fruitful learning materials to those are interest to read via mobile applications. Different agent systems have been integrated wildly to enhance the flexibility of mobile knowledge presentation over WAP technology. Moreover, the current e-learning materials are not enough to provide users with the appropriate information, which make those users unable to brows information without PC's. Hence, this study proposed a mobile workshop application for providing users with the learning materials via mobile. Furthermore, Spiral development model by Barry, B. (2000) has been used to design and develop the proposed application. Finally, 40 postgraduate students from UUM have been selected to evaluate the proposed application.

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CHAPTER 1

INTRODUCTION

1.0 Introduction

Today's, mobile applications are a usable solution in different area and sectors.

The new integration for the mobile application makes it easier for the users to browse and get their enquire anytime and anywhere by managing information through the mobile screen. A new framework for developing a mobile information services in this time is very important especially after the development in the technology domain (Lembke, & Johan, 2002). Mobile applications have been used in different fields such as learning, healthcare, government, services and etc. In education, a workshop is a brief intensive course, a seminar or a series of meetings emphasizing interaction and exchange of information among a usually small number of participants. The study aims to provide a sustainable mobile workshop application for providing users and learners with the workshop materials. Furthermore, there is no study has been done to provide users or learners with a mobile workshop application.

Mobile technology has developed into one of today's eye-catching topics due to its ability. The impact it has on everyday lifestyle is obvious. As the popularity of wireless services grows, manufacturers are enabling wireless devices with an increasing array of features and capabilities. However, a new "motto" being mentioned in the market place Wireless Application Protocol which is known as WAP. The WAP visualized being a web in pocket. As the benefits of the WAP are recognized and become more widely. The

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