UNIVERSITI TEKNOLOGI MARA

COURSE REGISTRATION VIA INTERACTIVE MOBILE PHONE APPLICATION

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ABSTRACT

From the questionnaires several problems were found out usually faced every semester by Faculty of Information Technology and Quantitative Sciences (FTMSK) students while using pc-based online course registration. Initially developed to help minimising paper works and make it easier for students to register subjects, these problems highlight the needs of finding alternative registration method. Due to its mobility and affordability, mobile phone is seen as the viable alternative platform to replace pc-based online course registration. As such, in this project, a mobile phone application based on JAVA language was developed. This application offers similar functions as the online system such as add and delete subject but with simpler methods. Hopefully with this application, the problems faced by student previously can be eliminated while at the same time maximising the potential of mobile phone technology in daily student life.

CHAPTER 1

INTRODUCTION

1.1 PROJECT INTRODUCTION

The Course registration via mobile phone is one project to develop an interactive application with Java 2 Mobile Edition (J2ME) language. The Mobile Information Device Profile (MIDP) is a key element of the Java 2 Platform, Mobile Edition (J2ME). When combined with the Connected Limited Device Configuration (CLDC), MIDP provides a standard Java runtime environment for today's most popular mobile information devices, such as cell phones and mainstream Personal Digital Assistants (PDAs).

CLDC and MIDP provide the core application functionality required by mobile applications, in the form of a standardized Java runtime environment and a rich set of Java APIs (Application Programming Interfaces). Developers using MIDP can write applications once, and then deploy them quickly to a wide variety of mobile information devices. MIDP has been widely adopted as the platform of choice for mobile applications. It is deployed globally on millions of phones and PDAs, and is supported by leading Integrated Development Environments (IDEs). Companies around the world have already taken advantage of MIDP to write a broad range of consumer and enterprise mobile applications.

The main objective this project is to develop one application in order to solve problems facing by existing course registration. This project enables an interactive function for student to do course registration via their mobile phones. Once downloaded into their mobile phones, this application enables student to select and choose the subjects they plan to register for the particular semester. The effectiveness of this project will be evaluated and tested based on random questions around several Faculty of Information Technology and Quantitative Science (FTMSK) student.