

Universiti Teknologi MARA

**A Centralized Mobile Application FYP Retrieval
Using QR-Code**

Irfan Hazim Bin Azhar

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ABSTRACT

A Centralized Mobile Application FYP Retrieval Using QR-Code is to ease the CSP650 lecturer, supervisor and students of UiTM. Every semester in UiTM, the final year students are facing difficulties when doing their Final Year Project (FYP). They are having problem to search for previous FYP which have been done by their senior. As a result, the final year students have to make appointment with their CSP650 lecturer or supervisor just to look for the Final Year Project. Aside from making appointment, the students have the other option which is by going to the UiTM library to search for Final Year Project. This is troublesome for some students as they do not have transport to go to the library. The student who does not have transport especially those who live outside of the UiTM may need to use other alternative such as borrow their friend's vehicle such as car and motorcycle. Furthermore, as for the CSP650 lecturer and supervisor, they have no systematic way of storing their supervisees' Final Year Project. The data that have been kept could be lost or misplaced. The objective of this project is to design a mobile application which will display the overview of the FYP project using QR-code. The application also can give the users optional whether he or she want to download the Final Year Project. Secondly, to develop a centralized repository which will manage the data or detail of the Final Year Project. Lastly, to test the functionality in terms of the mobile application's usability to the test user; students UiTM. As for the guideline for this project, Agile method is being implemented. It consists of 5 phases which are communication, planning, modelling, construction, modelling and deployment. Hence, it is hopefully that this mobile application can meet the objectives of this project.

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CHAPTER 1

INTRODUCTION

This chapter provides an overview of the research project and discuss about the research background, current problem statements, research objectives, research scope, significance of research, and limitation of research.

1.1 Background of Study

Quick Response code, generally known as “QR-code” is the modern phenomenon in the mobile world. It is a 2D bar codes that contain the information of the product. QR-code. This method is widely used in business field however I can also be used in education field. Therefore, by using this method, it can improve the modern education.

Final Year Project or generally so-called as FYP is a capstone and challenge for students in Bachelor’s Degree programme predominantly Faculty of Computer and Mathematical Sciences. It consists of two courses which are Project Formulation (CSP600) and Project (CSP650). The FYP involves many parties which consists of students, supervisors, CSP650 lecturers, examiners, coordinator and industry committee. The purpose of doing FYP is to horn the skill and knowledge of the student.

To complete the FYP, students choose a supervisor to act as guideline. Moreover, they can also buy ‘ESSENTIALS OF COMPUTING SCIENCES’ book to become medium for them. The book contains almost all the information for the student to complete their FYP such as type of fonts and font size being used.