FINAL YEAR PROJECT PORTAL:

SUPERVISOR & EXAMINER EVALUATION MODULE

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for the award of the degree of

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**STUDENT DECLARATION**

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged.

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**STUDENT DECLARATION**

I hereby declare that I have read this thesis and in my opinion this thesis is sufficient in terms of scope and quality for the award of the degree of Bachelor of Computer Science Software Engineering

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**ABSTRACT**

The heart is one of the most vital organs within the human body. It acts as a pump that

circulates oxygen and nutrient carrying blood around the body in order to keep it functioning.

The circulated blood also removes waste products generated from the body to the kidneys.

When the body is exerted the rate at which the heart beats will vary proportional to the

amount of effort being exerted. By detecting the voltage created by the beating of the heart,

its rate can be easily observed and used for a number of health purposes.

**ABSTRAK**

Projek Tahun Akhir merupakan tugasan terakhir bagi setiap pelajar universiti sebelum mereka menamatkan pengajian mereka. Setiap pelajar dikehendaki melaksanakan satu projek sama ada projek yang berasaskan web atau berasaskan penyelidikan dalam masa dua semester. Pelajar yang mengambil projek tahun akhir perlu mencari seorang pensyarah sebagai penyelia projek pelajar. Pelajar perlu menghantar borang permohonan tajuk bersama nama penyelia di fakulti untuk mendapat kebenaran daripada penyelaras. Setelah mendapat kebenaran daripada penyelaras, pelajar boleh mulakan projek dengan mendokumenkan projek mereka. Dokument tersebut dibahagikan kepada beberapa bab dan pelajar dikehendaki menghantar setiap bab mengikut masa yang ditetapkan oleh penyelaras. Proses ini berlaku secara manual kerana pelajar dikehendaki mencetak setiap bab mereka untuk menunjukan kemajuan kerja mereka. Pelajar perlu mengeluarkan duit untuk mencetak setiap bab. Oleh itu, satu system untuk memudah pelajar, penyelia dan penyelaras dalam menguruskan projek tahun akhir amat diperlukan. Sistem yang diperluakan akan dapat memudahkan pelajar dalam mencari penyelia projek dan memudahkan penyelaras dalam menyelaras projek tahun akhir.

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**LIST OF ACRONYMS / ABBREVIATION / GLOSARY**

**ABBREVIATION TITLE**

FYP Final Year Project

UMP Universiti Malaysia Pahang

UML Unified Model Language

RAD Rapid Application Development

DFD Data Flow Diagram

ERD Entity Relationship Diagram

SDLC Software Development Life Cycle

# **CHAPTER 1**

# **INTRODUCTION**

# **Project Background**

Final Year Project (FYP) Portal: Supervisor and Examiner Evaluation Module, is the web base system for supervisor and examiner at Universiti Malaysia Pahang (UMP) used during evaluation process on student who take final year project. Supervisor and examiner must login into the system before they can evaluate and give mark to the student. This system can help supervisor and examiner in manage the student mark. In order to evaluate student, supervisor and examiner can view and download the chapter that already uploaded by student before give a mark.

Student role in this system is to follow the time line that set by coordinator. Student require to upload their chapter by using this system based on the time given. Failure to upload during the time given will affect the mark.

Coordinator will monitor student activity by view all the chapter that already upload by all student. Coordinator also can view if there are some student not upload their chapter and give the student a memo or reminder.

# **Problem Statement**

Before the invention of FYP portal, student need to submit each chapter to their supervisor by giving the hardcopy of the document. If student need to do a correction on their chapter, they need to edit the chapter then submit again to their supervisor.

During the evaluation day, student need to prepare three hardcopies their full report and give the hardcopy to their supervisor and to the both examiner. Student also required to burn their report into the cd-r for faculty. Examiner need to use evaluation form during evaluate student. All the given mark and comment must be state at the form before return to the coordinator. Student mark from examiner will be insert by coordinator. In order to key in student mark, coordinator need to review each evaluation form before inset a student mark into the E-COM.

All the process is done manually. Student will waste a paper where they need to print the document and show to their supervisor for checked. For the evaluation day, coordinator need to prepare the hardcopy form for examiner use to evaluate student. Coordinator also need to manage manually examiner and student before evaluation day.

Therefore, FYP Portal is requiring to develop a system that will manage student, supervisor, examiner and coordinator during presentation day. This system will manage the process of submitted student document to their supervisor by uploading through the system without waste a paper. This system also will help coordinator in managing examiner and student for the evaluation. Supervisor can view the document that already upload by student and give a comment or message to the student if there have a correction on the document.

# **Objective**

The objective need to be apply in this system:

1. To manage evaluation process between examiner and student by using online system.
2. To manage student mark from supervisor and examiner by using online system.
3. To monitor student progress by upload a student document into FYP Portal.

# **Scope**

1. **System User**

There are four users can use this system which is coordinator, supervisor, examiner and student.

1. **Function**

The function of this system is to manage evaluation process from examiner and supervisor by saving the data into the database. This system also available to upload and download the document from student.

# **Report Organization**

There are five total chapter in this thesis:

1. **Chapter 1** discusses about FYP Portal Module Evaluation system background. This chapter also explain about the reason this system need to be develop by discover the problem statement. From the problem statement, objective and scope for this system can be archive in this chapter.
2. **Chapter 2** discusses about the literature review of FYP Portal. This chapter also discuss about comparison the existing system with FYP Portal by state the advantage and disadvantage the existing system.
3. **Chapter 3** discusses about the usage of methodology in FYP Portal. This chapter cover the UML diagram that use to develop FYP Portal such as use case, context diagram, activity diagram and class diagram.
4. **Chapter 4** discusses about the implementation and testing. How this system develop will state in this chapter by record the code.
5. **Chapter 5** discusses about conclusion. Limitation and future works about this system can be state in this chapter.

1. **SYSTEM DESIGN APPROVAL**

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Date** |
| **Verified by:**  Developer |  |  |
| **Approved by:**  Client |  |  |

**APPENDICES**