



Faculty of Computer Science and Information Technology

***FCSIT ALUMNI INFORMATION SYSTEM***

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Bachelor of Computer Science with Honours  
(Software Engineering)

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This project is submitted in partial fulfilment of the requirements for the degree of  
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(Software Engineering)

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## **LIST OF ABBREVIATIONS**

<b>AIS UPM</b>	-	Alumni Information System Universiti Putra Malaysia
<b>CSS</b>	-	Cascading Style Sheets
<b>FCSIT</b>	-	Faculty of Computer Science and Information Technology
<b>HTML</b>	-	Hypertext Markup Language
<b>MSU</b>	-	Management and Science University
<b>PHP</b>	-	Hypertext Preprocessor
<b>UNIMAS</b>	-	Universiti Malaysia Sarawak
<b>UUM AMIS</b>	-	Universiti Utara Malaysia Alumni Management Information System

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## **ABSTRACT**

Alumni plays a variety of important roles, including assisting an institution's development and growth. Alumni can also help universities with mentoring, internships, and job opportunities. The university will have to spend more time tracing alumni details if there is no proper way to find out about them. Thus, collecting accurate data will be a significant benefit for the university. Faculty of Computer Science and Information Technology, Universiti Malaysia Sarawak has a problem to identify their alumni because of the faculty does not has a system that store their alumni details. Thus, this situation is making the Deputy Dean of Student Welfare and Alumni hard to contact the alumni. The Web-Based application is a great technology that the university can utilise to develop an Alumni Information System. This system can assist the faculty in keeping track of alumni information, spreading news, and much more. This project will create an Alumni Information System for Universiti Malaysia Sarawak's Faculty of Computer Science and Information Technology.

## **ABSTRAK**

*Alumni memainkan pelbagai peranan yang penting, untuk universiti, termasuklah dalam membantu pertumbuhan dan pembangunan sesebuah institusi. Alumni juga dapat membantu universiti untuk menunjuk ajar, menyediakan latihan praktikal dalam industri dan juga peluang pekerjaan. Pihak universiti akan meluangkan banyak masa untuk memperoleh informasi berkaitan alumni jika tiada cara yang mudah untuk mencari tentang informasi tersebut. Maka, jika universiti dapat mengekalkan data yang tepat mengenai alumni mereka ia akan memberikan banyak manfaat kepada universiti. Fakulti Sains Komputer dan Teknologi Maklumat, Universiti Malaysia Sarawak mempunyai masalah untuk mengenal pasti alumni mereka. Ini kerana pihak fakulti tidak mempunyai sebuah system yang menyimpan segala data tentang alumni mereka. Perkara ini membuatkan Timbalan Dekan Hal Ehwal Pelajar dan Alumni mempunyai kesukaran untuk menghubungi alumni. Teknologi aplikasi laman sesawang adalah teknologi yang terbaik untuk pihak universiti menggunakannya dan membangunkan sebuah Sistem Informasi Alumni. Sistem ini dapat membantu pihak universiti untuk mengumpul informasi alumni, menyebarkan berita, dan banyak lagi. Projek ini akan menghasilkan Sistem Informasi Alumni untuk Fakulti Sains Komputer dan Teknologi Maklumat, Universiti Malaysia Sarawak.*

# CHAPTER 1

## INTRODUCTION

### 1.1 Introduction

The involvement of alumni in supporting and voluntarily contributing to their university is important for maintaining and expanding a university's development (Noraisyah Md Idris, 2015). Alumni play various important roles, including assisting in the development and growth of an institution. Universities also can rely on alumni for mentoring, internships, and job possibilities. Without having a proper way to find out about the alumni details, the university will have to spend more time collecting the alumni details. Thus, maintaining accurate data will be a big advantage for the university to establish a proper way to communicate with the alumni. An information system is a formal, sociotechnical, organizational system designed to collect, process, store and distribute information (Piccoli & Pigni, 2016). The proposed system is to help the current student and the university to find the alumni details. They can search for the alumni details from a reliable resource. The Web-Based application is a great technology that the university can use to create an Alumni Information System. This system can help the university to keep track of its alumni details, spread news, and much more. This project will focus on creating an Alumni Information System for the Faculty of Computer Science and Information Technology, (FCSIT) Universiti Malaysia Sarawak, (UNIMAS).

## **1.2 Problem Statement**

Universiti Malaysia Sarawak, UNIMAS already developed a website for alumni. This web application has limited functions, such as user profiles, job applications, and news about the university. This website is supposedly a great platform for the university to gain and store alumni information. One of the main users for this system is the Deputy Dean of Student Welfare and Alumni FCSIT. She finds out that it is a little bit hard for her to search an alumnus for her to invite to do a collaboration program because of the lack of information of the alumni.

Other than that, every year, all the graduates need to fill in few forms from the Malaysian Ministry of Higher Education but there will be some students will forget or will fill in the form incompletely. As a result, the deputy dean needs to find these students and ask them about their information.

This is a great chance to revise and develop a new alumni system that will benefit alumni, students, and lecturers.

## **1.3 Objectives**

1. To obtain the requirements for the alumni information system by using interview method.
2. To develop an alumni web-based information system.
3. To generate a report about the alumni information in Excel format.

## **1.4 Scope**

This project is mainly about developing a web-based system that can store the information of the alumni from the Faculty of Computer Science & Information Technology (FCSIT), UNIMAS. The system will be implemented with FOUR (4) basic operations: create, read, update, and delete. These operations will be use for the admin to change the data of the alumni in the system and also for the Excel. This website will be a useful tool for the faculty to trace their alumni data and for the alumni to know about interesting news from their faculty. As this project is develop, it needs some users to test the prototype. It is to ensure that the website will run smoothly, and that the information collected is useful for the faculty. This web-based system will be created using Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and JavaScript for the front end and Hypertext Preprocessor (PHP) for the back end.

## **1.5 Significance of Project**

This project will help FCSIT UNIMAS to store its alumni information and to spread the news about any activity or program the faculty will organize. It also can be used as a medium for the faculty to recognize any alumni that can contribute to the faculty. The faculty management can contact the alumni and invite them to do a collaboration program with the faculty.

## 1.6 Project Schedule

Task Name	Start Date	End Date	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14
<b>Final Year Project 2</b>																
Approved Brief Proposal	18/10/2022	28/10/2022														
Feedback from Examiner	04/11/2022															
Final Full Proposal	04/11/2022	14/11/2022														
Chapter 1	15/11/2022	21/11/2022														
Chapter 2	22/11/2022	09/12/2022														
Chapter 3	10/12/2022	30/12/2022														
FYP Symposium	17/01/2023	19/01/2023														
Amendment and Modification Period for FYP	17/01/2023	10/02/2023														
Final Report	10/02/2023	19/02/2023														

Figure 1.1 Project Schedule Diagram 1.

Task Name	Start Date	End Date	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 18
<b>Final Year Project 2</b>																				
Submission of the revised structure of FYP report	20/03/2023	7/04/2023	■	■	■															
Submission of First Draft for Chapter 4	8/04/2023	15/05/2023				■	■	■	■	■										
Submission of First Draft for Chapter 5,6 & Abstract of Paper	16/05/2023	29/05/2023									■	■								
Submission of First Draft for FYP 2 Full Report & Paper	30/05/2023	10/06/2023											■							
Submission of Final Report for Assessment	11/06/2023	24/06/2023												■	■					
Symposium FYP	29/06/2023	30/06/2023														■				
Amendment and Modification Period for FYP	29/06/2023	24/07/2023															■	■	■	■
Submission of Final Report	24/07/2023	30/07/2023																		■

Figure 1.2 Project Schedule Diagram 2.

## **1.7 Project Outcome**

At the end of the project, the following is the expected outcome: -

1. Aiming the FCSIT Alumni Information System can collect the information of the alumni and generate the information collected into Excel format for the faculty.
2. To maintain the relationship between the alumni and faculty by spreading the news about the faculty and able to contact them for any partnership with the faculty.

## **1.8 Thesis Outline**

### **Chapter 1: Introduction**

This chapter gives an overview of the project. It contains the problem statement, objectives, project scope, methodology, expected outcome, project significance, project schedule, and report outline.

### **Chapter 2: Literature Review**

This chapter focuses on reviewing a few methodologies to obtain the user's requirements and analyze similar existing systems. A comparison of existing systems is made to provide a clear view of the functionalities and features to be implemented in the proposed system to evaluate the advantages and drawbacks of each system.

### **Chapter 3: Requirement Analysis and Design**

The methodology used to solve the problem is described in this chapter. This section goes over the solution's analysis and design. The processes, functions, functionality, and interface guide the entire project.