



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**MALAYSIA-JAPAN INTERNATIONAL INSTITUTE OF  
TECHNOLOGY (MJIIT)**

**SECD 2613 SYSTEM ANALYSIS AND DESIGN**

**PROJECT 1 - PROJECT PROPOSAL**

**Lecturer : Dr. Saidatul Hamidah binti Abd Hamid**

**Group 2**

**DueDate: 2/05/2024**

**MEMBERS:**

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Topic: **Personal Portfolio Website**

*Develop a website showcasing personal projects, skills, and experiences. It could include a blog section and a contact form.*

### **Executive Summary:**

The Personal Portfolio Website project aims to design and develop a comprehensive personal web-based platform that will innovate the way a person can showcase their personal projects, skills, experiences and accomplishments in a professional and eye-catching manner, all in one website. By providing a platform for users to personalize their portfolio with an interactive and intuitive online platform, we will streamline the process of showcasing projects, past experiences, highlight skills, and their work to potential employers, clients and collaborators.

### **Background:**

Our organization has experienced and seen a lot of portfolios from freshly graduated students who are applying for an internship, and recognizes the lack of experience in handling portfolios. Thus, we acknowledge the need for a more efficient and centralized system in order to manage and organize one's abilities and skills in a portfolio. The Personal Portfolio Website will perform as a valuable tool for graduates and even experienced employees, enhancing the portfolio managing experience and ultimately helping fresh graduates acquire employment.

## **Objectives:**

1. Create a user-friendly platform that allows users to easily showcase their personal projects with detailed descriptions, visually-captivating profiles and images.
2. Develop and implement a content management system (CMS) that allows swift updates and personalization of portfolio items, projects, and achievements.
3. Guarantee a receptive and accessible website across different devices and screen sizes.
4. Optimize the website for search engines to improve visibility, making it easier for users to find and visit the site.
5. Integrate elements of personal branding into the site to reflect the users' unique identity and style.

## **Methodology:**

Our plan of action in achieving these objectives will involve collaborative design and development phases:

- Planning phase: determine project goal, target audience, design content and conduct interviews and survey to understand the user needs.
- Design and prototype: create wireframes, mockups to visualize the user interface and use appropriate programming language
- Development phase: compile and organize portfolio content including image, video, text and other multimedia assets for user to use and write compelling portfolio copy and description as a template
- Testing and optimization: conduct thorough testing across various platform to ensure functionality and usability and gather feedback to address issues identified during testing
- Launching: deploy the personal portfolio website to a hosting server and make it live so users can start using it. Optimize search engine to increase search engine visibility

**Resources:**

- I. Project Manager
- II. Web developers
- III. UI/UX designers
- IV. Server infrastructure
- V. Database administrators
- VI. Software licensing

**Budget:**

## a) Employee costs:

- i. Project Manager: RM7,500 / month
- ii. Web developers (3 developers): RM5,000 per developer / month
- iii. UI/UX designers (2 designers): RM5,000 per designers / month
- iv. Database administrators: RM5,000 / month

## b) Infrastructures and hosting:

- i. Server infrastructure: RM10,000
- ii. Domain registration: RM100 / year

## c) Software and licensing:

- i. Hosting services: RM500 / month
- ii. Development tools: RM600 / month
- iii. Security managements: RM500 / month

**Total budget:**

Sum of all the costs mentioned above:

Total budget = Employee costs + Infrastructure and hosting + Software and licensing

Total budget = (7,500 + 5,000 + 5,000 + 5,000 + 5,000 + 5,000 + 5,000) \* 12 + 10,000 + 1,200 + 6,000 + 7,200 + 6,000

Total budget per year = RM48,0400

### Measurement and Reporting:

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Task																	
Planning phase																	
Design and prototype																	
Development phase																	
Testing and optimization																	
Launching																	
Reviewing																	

We will utilize a Gantt chart to track our project progress and deadlines. Progress reports will detail tasks that have been completed, upcoming tasks and deadlines, and any issues encountered during the phase.

### Risks:

- Security and Data Protection concerns
- Development and technical issues
- Competition from existing platforms

Mitigation methodologies include debugging and in depth testing, and following the best practices to ensure smooth production.