

**BIT304 FINAL YEAR PROJECT I**

**LITERATURE REVIEW**

**Ayo Magang: Web Application for Internship in Denpasar**

Rivaldo Bagus Soepardhy (E1700882)

Luh Wulandari Maharani (E1700873)

Submitted to the

FACULTY OF COMPUTING AND DIGITAL TECHNOLOGY

(SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY)

In partial fulfilment of the requirements

For the degree of

Bachelor of Information Technology (HONS)

HELP UNIVERSITY

JULY - AUGUST 2020

**Introduction**

Project Management Plan is a formal document consists of detailed document, such as baselines, subsidiary management plans, and other planning documents. It defines how the project will be executed, monitored, and controlled. This document will covers all the details to support project planning, such as Work Breakdown Structure, Work Item List, Gantt chart, and Risk Management Plan.

**Work Breakdown Structure**

1. **Initiating Tasks**
   1. Online Meeting with Supervisor
   2. Project Theme Identification
   3. Consultation with Supervisor
   4. Consultation with Supervisor
2. **Planning Tasks**
   1. Develop Project Background
   2. Develop Project Aims and Objectives
   3. Develop Work Item List
   4. Develop Project Schedule
   5. Develop Project Schedule
   6. Develop Resource Plan
   7. Risk Management Plan
   8. Submission of Project Plan
3. **Executing Tasks**
   1. Develop Literature Review
   2. Develop Project Management Plan
   3. Chapter II: Literature Review and Project Management Plan Submission
   4. Preparation for Interim Presentation
   5. Interim Presentation
   6. Develop Requirement Analysis
   7. Develop Functional and Non-Functional Requirements
   8. Develop Use Case Diagram
   9. Chapter III: Requirement Analysis Submission
   10. Develop Class Diagram
   11. Develop Sequence Diagram
   12. Database Design
   13. Structural Design
   14. User Interface Design
4. **Construction Tasks**
   1. Coding for Prototype
   2. Testing
   3. Chapter IV: Iteration Submission
5. **Closing Tasks**
   1. Develop Progress Report
   2. Preparation for Final Report Submission
   3. Final Report Submission
   4. Preparation for Final Presentation
   5. Final Presentation

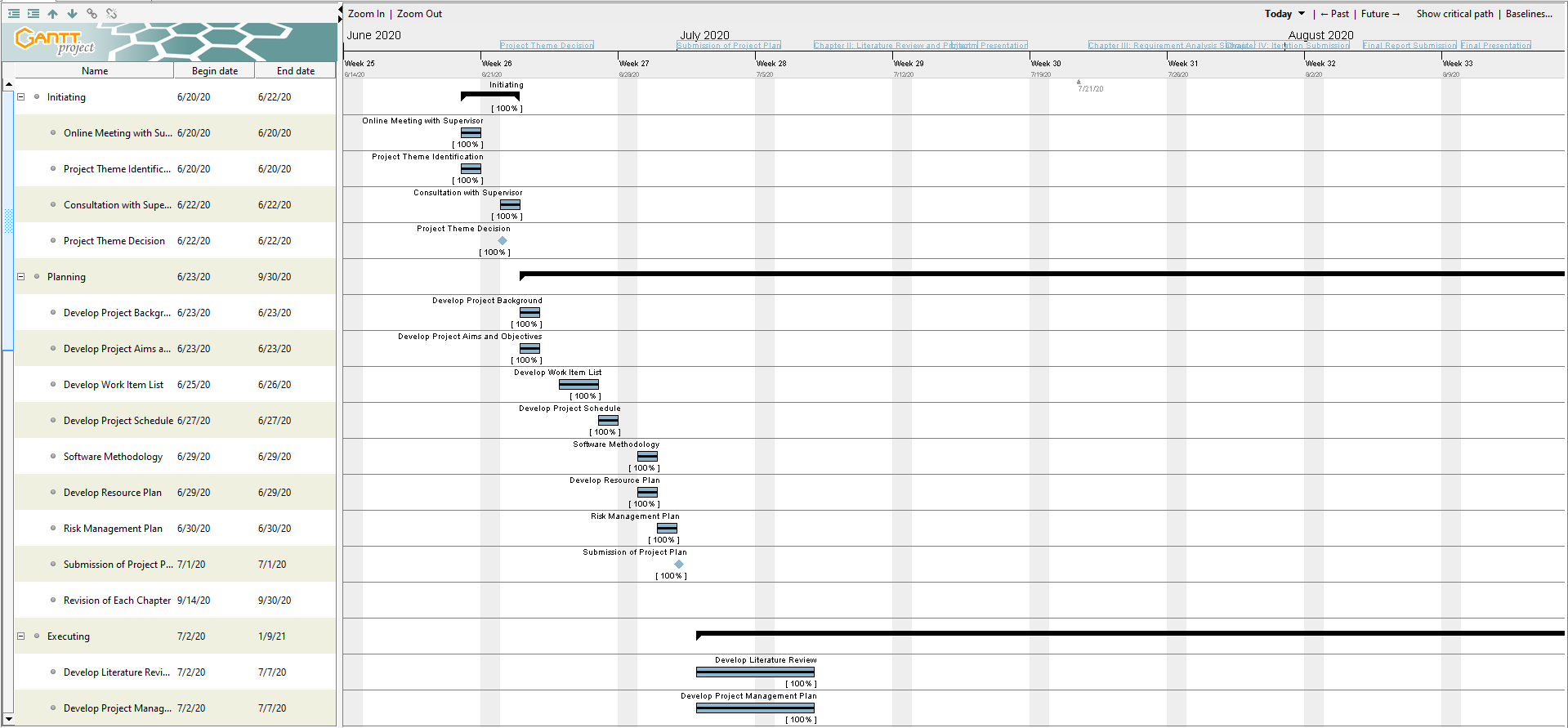
**Work Item List**

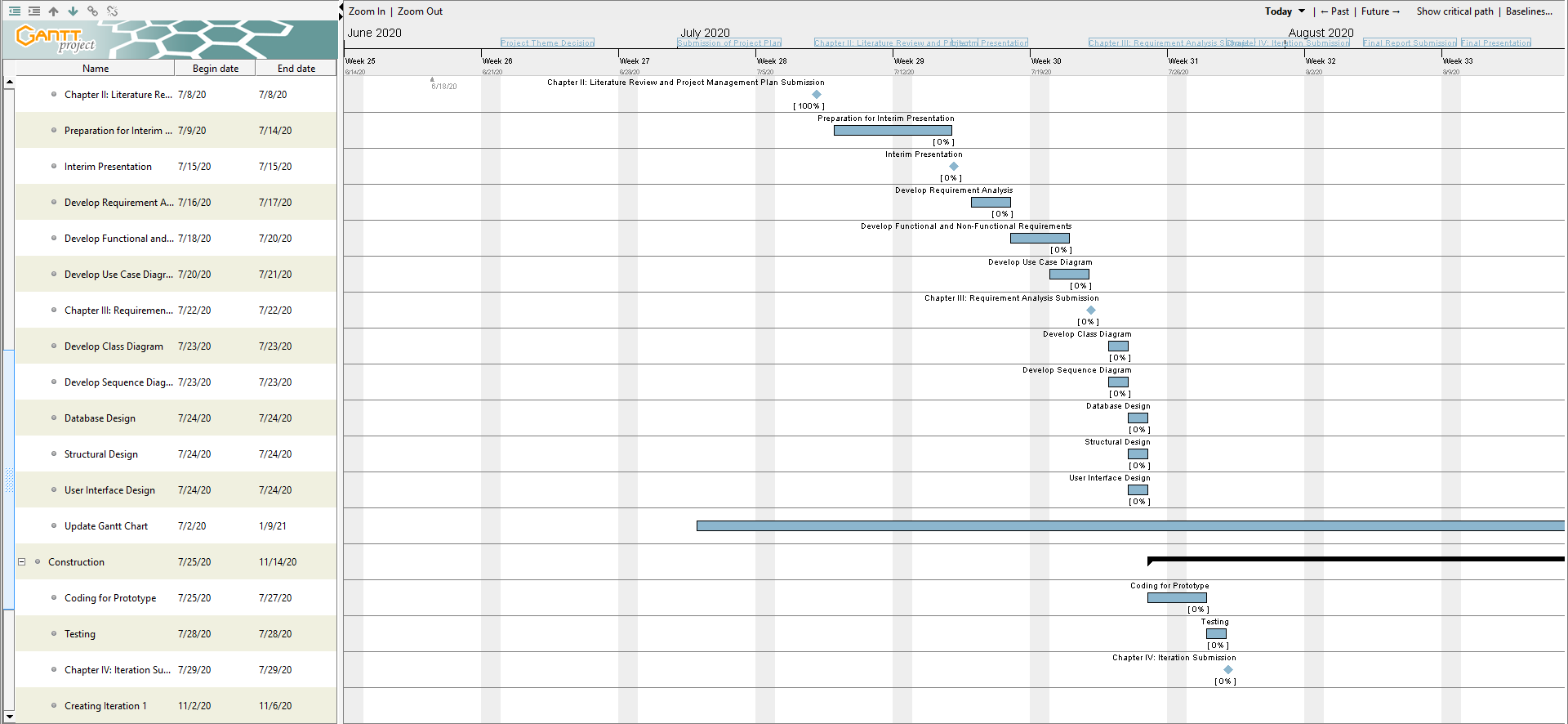
|  |  |  |  |
| --- | --- | --- | --- |
| **Phases and Activities** | **Priority** | **Assigned To** | **Effort Estimated (days)** |
| * + - 1. **Initiating** | | | |
| * 1. Online Meeting with Supervisor | High | Aldo and Wulan | 1 |
| * 1. Project Theme Identification | High | Aldo and Wulan | 1 |
| * 1. Consultation with Supervisor | High | Aldo and Wulan | 1 |
| 1. 4 Project Theme Decision | High | Aldo and Wulan | 0 |
| * + - 1. **Planning** | | | |
| 1. Develop Project Background | High | Wulan | 1 |
| 1. Develop Project Aims and Objectives | High | Aldo and Wulan | 1 |
| 1. Develop Work Item List | Medium | Wulan | 2 |
| 1. Develop Project Schedule | Medium | Wulan | 1 |
| 1. Software Methodology | Medium | Aldo | 1 |
| 1. Develop Resource Plan | Medium | Wulan | 1 |
| 1. Risk Management Plan | High | Aldo | 1 |
| 1. Submission of Project Plan | High | Aldo and Wulan | 1 |
| * + - 1. **Executing** | | | |
| 1. Develop Literature Review | High | Aldo and Wulan | 5 |
| 1. Develop Project Management Plan | High | Aldo and Wulan | 5 |
| 1. Chapter II: Literature Review and Project Management Plan Submission | High | Aldo and Wulan | 1 |
| 1. Preparation for Interim Presentation | Medium | Aldo and Wulan | 5 |
| 1. Interim Presentation | High | Aldo and Wulan | 1 |
| 1. Develop Requirement Analysis | High | Aldo and Wulan | 2 |
| 1. Develop Functional and Non-Functional Requirements | High | Aldo and Wulan | 2 |
| 1. Develop Use Case Diagram | Medium | Aldo and Wulan | 2 |
| 1. Chapter III: Requirement Analysis Submission | High | Aldo and Wulan | 1 |
| 1. Develop Class Diagram | High | Aldo and Wulan | 1 |
| 1. Develop Sequence Diagram | High | Aldo and Wulan | 1 |
| 1. Database Design | Medium | Aldo and Wulan | 1 |
| 1. Structural Design | Medium | Aldo and Wulan | 1 |
| 1. User Interface Design | High | Aldo and Wulan | 1 |
| * + - 1. **Construction** |  |  |  |
| 1. Coding for Prototype | High | Aldo and Wulan | 2 |
| 1. Testing | High | Aldo and Wulan | 1 |
| 1. Chapter IV: Iteration Submission | High | Aldo and Wulan | 1 |
| * + - 1. **Closing** |  |  |  |
| 1. Develop Progress Report | High | Aldo and Wulan | 3 |
| 1. Preparation for Final Report Submission | High | Aldo and Wulan | 2 |
| 1. Final Report Submission | High | Aldo and Wulan | 1 |
| 1. Preparation for Final Presentation | High | Aldo and Wulan | 3 |
| 1. Final Presentation | High | Aldo and Wulan | 1 |

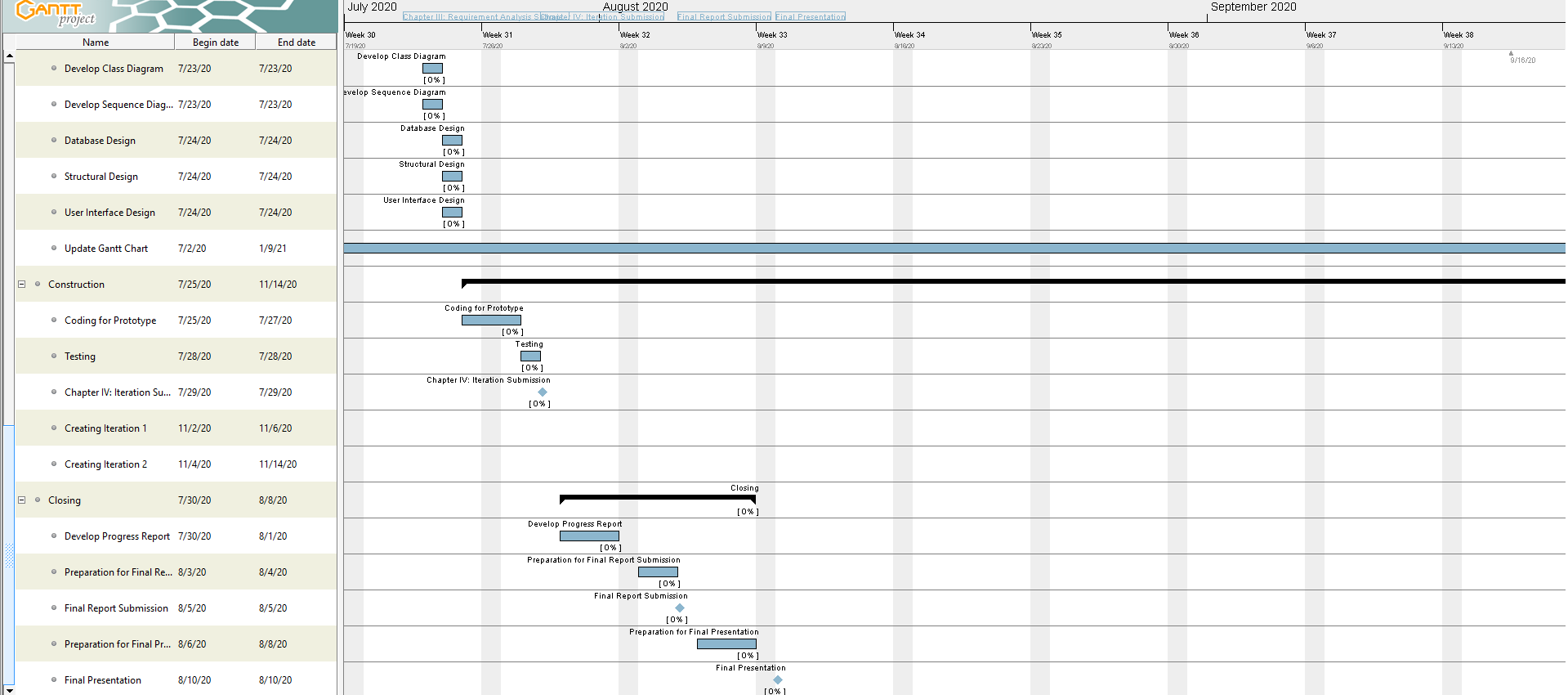
**Risk Management Plan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Description | Probability % | Impact  1= low  5 = high | Mitigation Strategy |
| 1 | Lack of experience, skills, and knowledge in developing a website application using PHP Native. | 45 | 5 | Find online source regarding PHP, exploring plans and option in between deciding which method is the best. |
| 2 | The website might have bugs or unexpected errors occurred. | 30 | 4 | Performing testing (unit testing, system testing and integration testing) for early detection of bugs and errors that might happen. |
| 3 | The website might not be done on deadline. | 50 | 5 | Talk efficiently, catching up schedules and communicating with members and lecturers. Held only important meetings (necessary only). |
| 4 | UML Diagram produced might not show the proper workflow of the system, creating misunderstanding. | 35 | 3 | Reconsidering and checking out to basic design of the system. Get more consultation to lecturer. Re define each use case / action required in each design. |
| 5 | Errors undetected in the final release or future development | 10 | 3 | Error logging on the system, documentation documents. |

**Gantt Chart**

****

****

****