A

Project Report

on

**PROJECT MANAGER**

Submitted in partial fulfillment of the requirement of

Project – V (BIT279C0)

of

Bachelor of Information Technology (BIT)

**Submitted To**

­

Purbanchal University

Biratnagar, Nepal

**Submitted By**

Sarowar Malla (353028)

Samir Shrestha (353027)

Melina Rayamajhi (343569)

**KANTIPUR CITY COLLEGE**

Putalisadak, Kathmandu

Feb 11, 2022

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**Project Supervisor**

Saroj Pandey

HOD of IT Department

**KANTIPUR CITY COLLEGE**

Putalisadak, Kathmandu

feb 11, 2022

**TABLE OF CONTENT**

# LIST OF FIGURES

**Figure Number Figure Page No.**

3.1 Prototype Method

4.1

4.2.1

4.3

# ABSTRACT

Project manager is a web-based platform that is useful to students and project managers for the management, tracking and supervision of projects.

Project manager is the concept of making the project successful through knowledge, processes, methods and experience. This website act as intermediate between students and super admin. The main objective of project manager is to achieve project goals within the estimated time with quality.

# ACKNOWLEDGEMENT

The project members would like to express our sincere gratitude to our project supervisor **Mr. Saroj Pandey** for his continuous support, motivate and enthusiasm. We are deeply grateful to the project supervisor for supervising, motivating and being co-operative, we would like to thank KCC for providing opportunity that help us to know more about PHP.

We are immensely obliged to our friends for their deviating inspiration, encouraging guidance and kind supervision in the completion of our project.

Group Members

Sarowar Malla (353028)

Samir Shrestha (353027)

Melina Rayamajhi (343569)

**SUPERVISOR'S APPROVAL**

This is to certify that the major project report entitled **“Project Manager”** undertaken and demonstrated by Sarowar Malla **(**353028**)**, Samir Shrestha **(**353027**)** and Melina Rayamajhi **(**343569**)** has been successfully completed under my supervision as a partial fulfillment of the requirements for the degree of Bachelor of Information Technology**,** 5th semester under Purbanchal University, Biratnagar Nepal. I, henceforth, approve this project to be awarded the certificate by the concerned authority.

During supervision, I found students hardworking, skilled and ready to undertake any professional work related to this field in future.

**Mr. Saroj Pandey**

HOD, Department of IT

Project Supervisor

Bachelor of Information Technology

Date:

**CERTIFICATE FROM SUPERVISOR**

This is to certify that the project report entitled **“Project Manager”** submitted to the Department of IT, **Kantipur City College** - Putalisadakis a bonfire record of work done by Sarowar Malla **(**353028**)**, Samir Shrestha **(**353027**)** and Melina Rayamajhi **(**343569**)** has fulfilled the requirement of Project – V (BIT279C0) and completed under my supervision.

**Mr. Saroj Pandey**

Project Supervisor

Kantipur City College

Putalisadak, Kathmandu

# Chapter 1: INTRODUCTION

We looked through a variety of websites and discovered the project management website to be quite intriguing. So, we made the decision to create the project manager website, which aids in team organization, monitoring, and project execution. Students can communicate with the super admin using this website.

For the management, tracking, and supervision of projects, project managers and students can both benefit from the web-based platform known as "Project Manager." The idea of project management is to make a project successful through information, procedures, techniques, and experience. This website serves as a liaison between students and the top management. Planning, monitoring, and reporting on projects can be done in an organized manner with the help of a project manager. The primary goal of a project manager is to complete the project on schedule and to specification.

**1.1 Overview**

A project manager serves as a good example for controlling how a project is carried out. It can offer a structure for controlling expectations, assigning duties, and establishing procedures. A project manager may make use of standard business software programs or specialized project management software. A project manager is a collection of approaches and tools that help you plan, organize, and schedule all that is necessary for a project to be successful.

A project plan is a collection of official documents outlining the project's execution and control phases. In addition to addressing scope, cost, and schedule baselines, the plan takes risk management, resource management, and communications into account.

## 1.2 Problem Statement

We have discovered that managing a project often entails a number of responsibilities, such as planning, team cooperation, scheduling, etc. By researching various systems or applications about classical time. These duties can be time-consuming, challenging to coordinate, and labor-intensive. Hence, the need for effective time management develops. They might not be safe. Papers are prone to damage by water, fire, and other natural disasters by their sheer nature. This technology makes it possible to manage time through digital processes that take less time. When compared to traditional time, this is more secure.

## 

## 1.3 Objectives

Our main objective of this project are as follows:

* To track activities of projects in efficient way.
* To develop efficient communication and productive guidelines.
* To achieve project goals within the estimated time with quality.

.

## 1.4 Features

Some important features of this project are as follows:

* It has efficient monitoring.
* It has group evaluation.
* It has time management.
* It has task feedback.

## 1.5 Significances/Importance

Some main significances of this project are as follows:

* It has clear concept.
* It has quality control.
* It has orderly process

## 1.6 Scope and limitation

**1.7 Organization of document**

Table 1.7: Documentation Organization

|  |  |  |
| --- | --- | --- |
| **Chapter** | **Heading** | **Content** |
| Chapter 1 | Introduction | * 1. Background   2. Introduction   3. Problem Statement   4. Objectives of the project   5. Significance of the project   6. Feature of the project   7. Assignment of the role and responsibility   8. Documentation organization |
| Chapter 2 | Existing System Overview | 2.1 Introduction |
| Chapter 3 | System Analysis | 3.1 System development model  3.2 Requirement specification  3.3 Feasibility study |
| Chapter 4 | System Design | 4.1  4.2  4.3  4.4  4.5  4.6  4.7 |
| Chapter 5 | System Development and Implementation | 5.1 Programming platform  5.2 Operating environment  5.3 Testing and debugging  5.4 Implementation and result analysis |
| Chapter 6 | Conclusion and Future Enhancement | 6.1 Conclusion  6.2 Limitation  6.3 Future enhancement |

## Chapter :2 LITERATURE REVIEW

## Project management systems are software applications that help manage tasks, schedules, budgets, and resources associated with a project. In this literature review, we will explore some of the popular project management systems that use PHP as the primary programming language.

## 2.1 Redmine

## Redmine is an open-source project management tool written in Ruby on Rails but can run on PHP. It provides features such as issue tracking, Gantt chart, calendar, wiki, and time tracking. It also supports multiple databases like MySQL, PostgreSQL, and SQLite.

## 2.2 ProjectPier

## ProjectPier is a free, open-source, self-hosted project management software written in PHP. It offers features like task management, file sharing, wiki, and time tracking. It supports MySQL and PostgreSQL databases and has a simple user interface.

## 2.3 Collabtive

## Collabtive is a free, open-source, web-based project management software written in PHP. It has features like task management, time tracking, file sharing, and calendar. It also supports multiple languages and is compatible with MySQL and PostgreSQL databases.

## 2.4 DotProject

## DotProject is an open-source, web-based project management software written in PHP. It provides features like task management, file sharing, Gantt chart, and calendar. It supports multiple languages and databases like MySQL and PostgreSQL.

## 2.5 Project HQ

## Project HQ is a free, open-source, web-based project management software written in PHP. It provides features like task management, document management, and time tracking. It also supports multiple databases like MySQL, PostgreSQL, and SQLite.

## 2.6 PHProjekt

## PHProjekt is an open-source, web-based project management software written in PHP. It offers features like task management, file sharing, Gantt chart, calendar, and time tracking. It supports multiple languages and databases like MySQL and PostgreSQL.

## In conclusion, the above-listed project management systems are just a few examples of the many project management tools available that use PHP. Each system has its unique features and functionalities, making them suitable for different types of projects and organizations. It is important to evaluate and select a system that meets your project requirements and aligns with your organization's goals.

**Chapter: 3 METHODOLOGY**

## 3.1 Software Development Life Cycle

We used prototype model to develop our system. Prototype model is a software development methodology that involves creating a working model of the software application before building the full system. The prototype models to understand project feasibility and reduces cost.

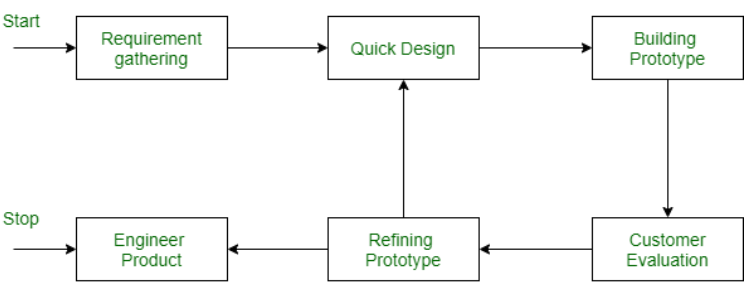


Fig 3.1 Prototype Model

### 3.1.1 Requirement Gathering and Analysis

A prototyping model start with requirement gathering and analysis. In this phase the requirement of the system is defined in detail. During this process users of the system are interviewed to know what is their expectation from the system.

### 3.1.2 Quick Design

In this stage a simple design of the system is created. It is not a complete design of the system but gives a brief idea of the system to the user.

### 3.1.3 Build a Prototype

In this stage an actual prototype is designed based on the information gathering from second phase quick design.

### 3.1.4 Initial User Evaluation

In this stage system is presented to the user for an initial evaluation. It helps to find out the strength and weakness of the system and suggestion are collected from the user and provide to the developer.

### 3.1.5 Refining Prototype

If the users are not happy with the system then it refines the system according to the user’s feedback and suggestion. This stage will not over until all the requirements specified by the user are met. Once the user is satisfied by with the software then final system is developed.

### 3.1.6 Implement Product and Maintain

In this stage final system is developed based on the final prototype. The system undergoes routine maintenance for minimizing downtime and prevent large scale of failures.

**3.2 Technologies and Tools used**

**3.2.1 PHP**

Popular server-side scripting language for web development is PHP (Hypertext Preprocessor). Its main uses are web apps and dynamic web pages. PHP code run on the server to produce client-side web technologies including HTML, CSS, and JavaScript, which are then transmitted to the user's browser to be displayed. In addition to handling form data, creating and manipulating files, and performing a number of other operations frequently required in web development, PHP can connect with databases.

Since PHP is an open-source language, a sizable developer community contributes to its growth and upkeep. Most web hosting services accept it, and it is frequently used in conjunction with well-known web frameworks like Laravel, Symfonys, and CodeIgniter.

**3.2.2 PHP MYADMIN**

A free and open source web application called PHP MyAdmin is used to manage and oversee MySQL databases. Users can import and export data as well as run SQL queries in addition to creating, editing, and deleting databases, tables, and fields.

Web developers and administrators frequently use PHP MyAdmin as a tool to manage MySQL databases for websites and web applications. It offers a graphical user interface (GUI) that may be easier to use and more accessible than a command-line interface for managing databases.

**3.2.3**

**3.2.4 VS CODE**

Microsoft created the free and open source code editor known as VS Code (Visual Studio Code). It supports a large number of programming languages and frameworks and is available for Windows, macOS, and Linux.

**3.3 Assignment roles and responsibilities of the members**

Table 1.1: Assignment roles and responsibilities of the members

|  |  |  |
| --- | --- | --- |
| **Member’s Name** | **Symbol No.** | **Task Performed** |
| Sarowar Malla | 353028 | Research, Documentation, Coding, Requirement gathering. |
| Samir Shrestha | 353027 | Research, Documentation, Coding, Requirement gathering. |
| Melina Rayamajhi | 343569 | Research, Documentation, Coding, Requirement gathering. |

## 

## Chapter: 4 SYSTEM ANALYSIS

## 4.1Requirement Specification

After the selection of the development process of the system. The first thing we did was to specify the requirement, which has been divided into two parts according to the requirement of the system.

### 4.1.1 Functional Requirement

### 4.1.2 Nonfunctional Requirement

* Performance: To provide load the page fast we avoid to use the loading system so users can change the page without showing any loading system.
* User friendly: We develop the website in simple way so user can find the information easily.

## 4.2 Feasibility study

### 4.2.1 Technical Feasibility

During study of these process we studied the requirement of the technical equipment for the development of the system and found out all the equipment is full filled except the development platform of the system, which was initially downloaded.

### 4.2.2 Economical Feasibility

Here we deal with the cost benefit of the project. Since this project is developed to meet our academic project, therefore there is no any funding process done to the project so the study of the process was skipped.

### 4.2.3 Operational Feasibility

During the study we studied whether the system is either socially accepted or not, and the system follows the policy of the organization.

### 4.2.4 Schedule Feasibility

During the study we studied about the time required to complete the development of the system. And to check whether the system can be completely developed in the given time.

## 4.3.4.1 Gantt Chart

Table 4.3.4.1 Gantt Chart

**Chapter: 5 SYSTEM DESIGN**

## 1.9 Documentation Organization

Table 1.2: Documentation Organization

|  |  |  |
| --- | --- | --- |
| **Chapter** | **Heading** | **Content** |
| Chapter 1 | Introduction | * 1. Background   2. Introduction   3. Problem Statement   4. Objectives of the project   5. Significance of the project   6. Feature of the project   7. Assignment of the role and responsibility   8. Documentation organization |
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## 1.10 Hardware and Software Required

Table 1.3: Hardware and software required

|  |  |
| --- | --- |
| **Hardware Required** | **Software Required** |
| Latest browser supporting device. | Latest browsers. Like Chrome, Edge, Brave etc. |

# 

# Chapter 4: SYSTEM DESIGN

## 4.1 MENU NAVIGATION

## 4.2 Data Flow Diagram (DFD)

### 4.2.1 Context Diagram

### 4.2.2 Level 1 DFD Diagram

## 4.3 Use Case Diagram

# Chapter 5: SYSTEM DEVELOPMENT AND IMPLEMENTATION

## 5.1 Programming platform

To program the entire website, we used VS code. Which platform are HTML, CSS and JavaScript compatible.

Platform 1: Visual Studio code -version 1.75.1

## 5.2Operating environment:

To operate this website users need

1. Any operating systems and
2. Browsers which support HTML5, CSS3, Javascript and PHP.

## 5.3 Testing and Debugging

Table 5.1 White box testing

|  |  |  |  |
| --- | --- | --- | --- |
| **S.N** | **Test Case Type** | **Test Data** | **Actual Result** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |

# Chapter 6: CONCLUSION AND FURTHER ENHANCEMENT

## 6.1 Conclusion

## 6.2 Limitations

This website has following limitations:

## 6.3 Future Enhancement

The Future enhancements of this program are as follows:

# REFERENCES

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# APPENDIX

## Appendix (Output Screenshots)