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 ()

Samir Shrestha ()

Melina Rayamajhi (343569)

**KANTIPUR CITY COLLEGE**

Putalisadak, Kathmandu

Feb 11, 2022

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Melina Rayamajhi (343569)

**Project Supervisor**

Saroj Pandey

HOD of IT Department

**KANTIPUR CITY COLLEGE**

Putalisadak, Kathmandu

feb 11, 2022

**TOPIC APPROVAL SHEET**

This is to certify that this project report entitled **“Project Manager”** selected by Sarowar Malla **()**, Samir shrestha **()** and Melina Rayamajhi **(**343569**)** of Bachelor of Information Technology**,** 5th semester has been found suitable as per the credit assigned by **Kantipur City College** of Purbanchal University, Biratnagar Nepal.

The Project Committee has approved the project topic “**Project Manager**” by following supervisor for the above-mentioned students. This project has been completed at the prescribed period of time and the project embodied the result of their investigation conducted during they worked as full-time student of this institution.

Topic Approved: **Project Manager**

**Mr. Saroj Pandey Mr. Ashim KC**

HOD, Department of IT Project Coordinator

Project Supervisor

**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 **()**, Samir Shrestha **()** 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

# 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 ()

Samir Shrestha ()

Melina Rayamajhi (343569)

# 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.

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# ABBREVIATION

**No. Number**

DFD Data Flow Diagram

# Chapter 1: INTRODUCTION

## Background

We had researched different kinds of website and we found the project manager website is interesting. So, we decided to develop the project manager website that helps team organize, track, and execute work with in a project where students can interact to super admin through this website.

## 1.2 Introduction

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. Project manager provides a structured approach to planning, tracking, and reporting on projects. The main objective of project manager is to achieve project goals within the estimated time with quality.

## 1.4 Problem Statement

By researching different systems or applications about classical time we find that managing a project typically involves several tasks such as planning, team collaboration, scheduling etc. These tasks can be time-consuming and difficult to coordinate and requires man power, proper time management issue arises. They mayn't be secure. By their very nature, papers are susceptible to damage from water, fires, or other natural causes. With the help of this system time management is done i.e. digital process which consumes less time. This is more secure comparison to classical time.

## 

## 1.5 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.

## 1.6 significances/Importance

Some main significances of this project are as follows:

* Clear concept.
* Quality control.
* Orderly process.

## 1.7 Features

Some important features of this project are as follows:

* Efficient monitoring.
* Group evaluation.
* Time management.
* Task feedback.

## 1.8 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 |  | Research, Documentation, Coding, Requirement gathering. |
| Samir Shrestha |  | Research, Documentation, Coding, Requirement gathering. |
| Melina Rayamajhi | 343569 | Research, Documentation, Coding, Requirement gathering. |

## 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 |
| 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 |

## 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 2: EXISTING SYSTEM OVERVIEW

## 2.1 LITERATURE REVIEW

There are several types of project manager including desktop applications, web-based applications and mobile applications which provides best information about the proper project management. Web based system is most popular type which offer greater accessibility and flexibility than desktop application. This system helps in project efficiency, reduces risks and improve project outcomes.

## 2.2

### 2.1.1 Introduction

# Chapter 3: SYSTEM ANALYSIS

## 3.1 System Development Model

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 helps to understand project feasibility and reduces cost.

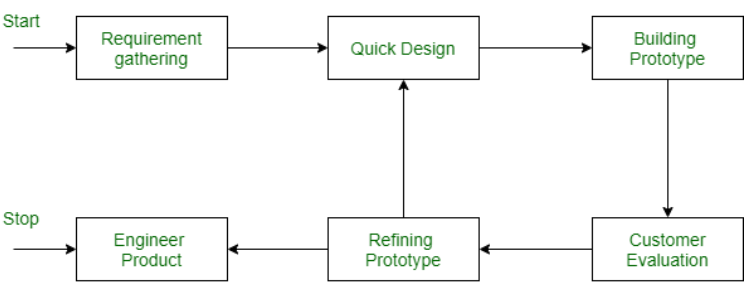


Figure 3.1 Prototype Method

### 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 Requirement 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.

### 3.2.1 Functional Requirement

### 3.2.2 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.

## 3.3 Feasibility study

### 3.3.1 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.

### 3.3.2 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.

### 3.3.3 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.

### 3.3.4 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.

## 3.4 Gantt Chart

Table 3.1 Gantt Chart

# 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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2. Website: [www.W3school.com](http://www.W3school.com) .Accessed: 2022-10-12.
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# APPENDIX

## Appendix (Output Screenshots)