Project report

Report No: 2

Report Date: 01-01-2022

Project Title: Project Management System

Company Name: Quixom Technology

Tools/Technology: VS Code, Django, HTML/CSS, JavaScript

Work Done: 1. Project Definition

2. Preliminary investigation

3. System requirement specifications

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Remarks (External Guide), if any

Remarks (Internal Guide), if any

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Project Definition:

- Project management system is used to plan projects, manage project and track project to successfully complete its listed goals.

Scope:

- The system will provide better tracking of projects.
- The system will useful in task assignments.
- The system will Increase productivity of an organization.
- The system will save lots of time.

Preliminary investigation:

In existing system,

An existing system is referring to the system which is they are handling project tracking manually. It's was very costly and time-consuming. In the existing system, the organization needs to take care of the storage facility for manual processed documents.

In proposed system,

The main aim of this system is to provide better project management for organizations. Also, this system is very helpful in the organization with respect to management as well as for increasing productivity.

User of system:

1. Admin
2. Project Manager
3. Employee

Feasibility study:

Economic feasibility:

- Django is an open-source framework so economically It'll reduce the development cost of the system.

Technical feasibility:

- Current resources both hardware software along with required technology are analysed to develop project. User can access web application from desktop and laptop.

Operational feasibility:

- The system will be easy to use and It'll have user- friendly interface. so, it'll solve the complexity which is faced by organizations previously.

System requirement specification:

- **Introduction:**

Purpose:

The project management system's purpose is to manage projects throughout the

entire software development life cycle.

It'll provide better management to organizations and project managers.

Definition/ Problem statement:

Project management system

Users:

- **Admin:** Admin will manage system, users of system and projects.
- **Project manager:** Project manager will manage project as well as his team.
- **Employee:** Employee can view their assign task.

Outcomes:

- System will provide better management of project.

Scope:

- The system will provide better tracking of projects.
- The system will useful in task assignments.
- The system will Increase productivity of an organization.
- The system will save lots of time.

Intended audience and user of the system:

- Admin

- Users (Project manager & Developer)

Overview:

- **Environment characteristics:**

    Hardware & software(development):

    Hardware:

    - o **Processor:** Intel Core i5

    - o **Ram:** 8 GB

    Software:

    - o **Operating System:** Ubuntu
    - o **Front End:** HTML/CSS, Bootstrap, JavaScript
    - o **Back End:** Django framework
    - o **Database:** PostgreSQL
    - o **Editor:** Visual Studio Code

    Hardware & software(deployment):

    Internet connection must be required and Internet browsers like Google

    Chrome, Microsoft Edge, etc.

Functional requirements:

Admin:

- o Login
  - ▪ Admin can login into system.
- o Manage project:
  - ▪ Admin can add, update & delete project.
- o Manage User:
  - ▪ Admin can add, update & delete the user of system.

Project Manager:

- o Login
  - ▪ Project manager can login into system.
- o Change password
  - ▪ Project manager can change his password.
- o Manage project:
  - ▪ Project manager can plan project, add task, assign task and update the task.

Employee:

- o Login
  - ▪ Employee can login into system.
- o Change password
  - ▪ Employee can change his password.
- o Task:
  - ▪ Employee can view his assigned task to him and he can update task as done if completed.

Non-functional requirements:

Accessibility:

The project management system is accessible easily to everyone who work in organization. It'll help organization to manage projects easily. Users must have internet connection.

Reliability:

Validation of input will be taken care by system to improve accuracy of data.

Performance:

This system will have good user-friendly user interface environment.

Security:

The system security is maintained by if someone wants to perform functionality then user should be authorized.

Interfaces:

User interface:

This system has good user-friendly user interface environment. Users can easily perform functionalities as they want without any complex things.

Software interface:

- VS Code
- PostgreSQL