PROJECT PLANNING PHASE

MILESTONE AND ACTIVITIES LIST

Date	18 October 2022
Team ID	PNT2022TMID15599
Project Name	Predicting the energy output of wind turbine based on weather condition
Maximum Marks	8 Marks

ACTIVITY NO	ACTIVITY NAME	DETAILED ACTIVITY DESCRIPTION	Assigned to
1	Preparation Phase	Access the resources (courses) in project dashboard. Access the guided project workspace. Create github account & collaborate with project repository. Setup the laptop /computers based on the perquisites for each technology track.	Navadeepan B Arivalagan G Dinesh Kumar R Gokul G
2	**Ideation Phase**		
2.1	Literature Survey	Literature survey on the selected project & information gathering.	Dinesh Kumar R Gokul G
2.2	Define the Problem Statement	Prepare the list of problem statement to understand the user needs.	Navadeepan B Arivalagan G
2.3	Empathy Map	Preparation of empathy map canvas to capture the user pains & gains	Navadeepan B Arivalagan G
2.4	Brainstorm and Idea Prioritization	List the ideas by organizing the brainstorming session prioritize the top 3 ideas based on the feasibility and importance	Dinesh Kumar R Gokul G

3		Project Design Phase I	
3.1	Proposed Solution	Preparation of proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution.	Navadeepan B Arivalagan G
3.2	Problem Solution Fit	Prepared problem is analyzed and make effective solution of the problem.	Dinesh Kumar R Gokul G
3.3	Solution Architecture	Prepare an architecture for solution.	Navadeepan B Arivalagan G
4		Project Design Phase II	
4.1	Functional Requirement	Prepare the functional and non- functional requirement.	Navadeepan B Arivalagan G
4.2	Customer Journey	Preparation of customer journey maps to understand the user interaction and experience with the application(entry to exit)	Dinesh Kumar R Gokul G
4.3	Data Flow Diagram	Prepare the data flow diagram for project use level 0	Dinesh Kumar R Gokul G
4.4	Technology Architecture	Prepare technology architecture of the solution.	Navadeepan B Arivalagan G
5		Project Planning Phase	
5.1	Milestone and Task	Prepare milestone and activity list	Dinesh Kumar R Gokul G

5.2	Sprint Schedules	Prepare sprint delivery plan	Navadeepan B Arivalagan G
6		**Project Development Phase**	
6.1	Coding & Solutioning	Sprint-1 Delivery.	Dinesh Kumar R Gokul G
6.2	Acceptance Testing	Sprint-2 Delivery. Sprint-3 Delivery. .	Navadeepan B Arivalagan G Dinesh Kumar R Gokul G
6.3	Performance Testing	Sprint-4 Delivery.	Navadeepan B Arivalagan G

Product Backlog, Sprint Schedule, and Estimation

Sprint	Milestone
Sprint 1	To develop the application that contains two major phases 1. create a user interface to get inputs from the user. 2. perform the trained model to predict the output power of the wind turbine.
Sprint 2	1. Users can access the dashboard 2. Users can enter the required details on weather conditions and get the desired turbine power output based on the model's prediction.
Sprint 3	1. Application should store the predictions, and these predictions can be used for future analysis. 2. The data stored should be secure.
Sprint 4	1. Administrator should properly maintain the website and update it when required.

MILESTONE WITH TIMELINE CHART

Empathy Map, Literature survey, Brainstorm & idea proioritization, Problem statement	Solution architecture, Problem solution fit	Solution requirement	Milestone & activity , Sprint delivery plan	Sprint 2	Sprint 4

25 Aug   22 Sep   7 Oct   15 Oct   26 Oct   10 Nov

22 AUG

12 Sep   1 Oct   12 Oct   18 Oct   3 Nov   15 Nov

Git colab   Proposed solution   Customer journey map   Technolgy stack   Sprint 1   Sprint 3