PROJECT PLANNING PHASE

MILESTONE AND ACTIVITIES LIST

Date	09 November 2022
Team ID	PNT2022TMID37323
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.	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
2	**Ideation Phase**		
2.1	Literature Survey	Literature survey on the selected project & information gathering.	Naveen Kumar.M
2.2	Define the Problem Statement	Prepare the list of problem statement to understand the user needs.	Naveen Kumar.M
2.3	Empathy Map	Preparation of empathy map canvas to capture the user pains & gains	Venkatrajan.N
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	Vignesh.R

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.	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
3.2	Problem Solution Fit	Prepared problem is analyzed and make effective solution of the problem.	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
3.3	Solution Architecture	Prepare an architecture for solution.	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
4		Project Design Phase II	
4.1	Functional Requirement	Prepare the functional and non- functional requirement.	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
4.2	Customer Journey	Preparation of customer journey maps to understand the user interaction and experience with the application(entry to exit)	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
4.3	Data Flow Diagram	Prepare the data flow diagram for project use level 0	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
4.4	Technology Architecture	Prepare technology architecture of the solution.	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan. K

5	Project Planning Phase		
5.1	Milestone and Task	Prepare milestone and activity list	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
5.2	Sprint Schedules	Prepare sprint delivery plan	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
6	Project Development Phase		
6.1	Coding & Solutioning	Sprint-1 Delivery.	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
6.2	Acceptance Testing	Sprint-2 Delivery. Sprint-3 Delivery. .	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K
6.3	Performance Testing	Sprint-4 Delivery.	Naveen Kumar.M Venkatrajan.N Vignesh.R Vetrivelmurugan.K

Product Backlog, Sprint Schedule, and Estimation

Sprint	Milestone
Sprint 1	1. Users register into the application through entering Email Id, Password and Re-entering Password for confirmation. 2. Users receive a confirmation mail to their registered Email. 3. Users can also register to the application through a mobile number. 4. User logs in into the website using Email Id and password or through Gmail
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 — 12 Sep

Solution architecture, Problem solution fit — 1 Oct

Solution requirement — 12 Oct

Milestone & activity, Sprint delivery plan — 18 Oct

Sprint 2 — 3 Nov

Sprint 4 — 15 Nov

22 AUG

25 Aug — Git colab

22 Sep — Proposed solution

7 Oct — Customer journey map

15 Oct — Technolgy stack

26 Oct — Sprint 1

10 Nov — Sprint 3