

## 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	<b>Ideation Phase</b>		
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

<b>3</b>	<b>Project Design Phase I</b>		
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
<b>4</b>	<b>Project Design Phase II</b>		
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
<b>5</b>	<b>Project Planning Phase</b>		
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
<b>6</b>	<b>Project Development Phase</b>		
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**

<b>Sprint</b>	<b>Milestone</b>
Sprint 1	<ol style="list-style-type: none"> <li>1. Users register into the application through entering Email Id, Password and Re-entering Password for confirmation.</li> <li>2. Users receive a confirmation mail to their registered Email.</li> <li>3. Users can also register to the application through a mobile number.</li> <li>4. User logs in into the website using Email Id and password or through Gmail</li> </ol>
Sprint 2	<ol style="list-style-type: none"> <li>1. Users can access the dashboard</li> <li>2. Users can enter the required details on weather conditions and get the desired turbine power output based on the model's prediction.</li> </ol>
Sprint 3	<ol style="list-style-type: none"> <li>1. Application should store the predictions, and these predictions can be used for future analysis.</li> <li>2. The data stored should be secure.</li> </ol>
Sprint 4	<ol style="list-style-type: none"> <li>1. Administrator should properly maintain the website and update it when required.</li> </ol>

**MILESTONE WITH TIMELINE CHART**

