Project Planing phase

Prepare Milestone and Activity List

Date	31 October 2022
Team ID	PNT2022TMID17876
Project Name	**Project** – Predicting the energy output of wind turbine based on weather condition

DATE	MILESTONE	ASSIGNEE	STATUS	DESCRIPTION
31/08	Data Collection - Download dataset	Harshini . M Mahalakshmi . K	Completed	The dataset for wind energy prediction is to be collected. The dataset which is considered here will have the environmental conditions.
7/09	Data Pre-processing 1. Import Libraries - Analyzing the data 2. Spliting the data into dependent and independent variable	Menaga Devi . R Juno Flora . I Harshini . M Kiran Pandiammal . C	Completed	Processing the dataset.Handling the null values.Handling the categorical values if any.Normalize the data if required.Identify the dependent and independent variables.Split the dataset into train and test sets.
14/09	Model Building 1. Check the metrics of the model 2. API integration	1.Mahalakshmi . K 2.Menaga Devi R	Completed	Using certain algorithms to build the model.Those algorithms include Linear regression Random forest. Decision tree.
21/09	Application Building 1. Build an HTML page. 2. Execute and test your model.	1.Mahalakshmi . K Menaga Devi R Juno Flora I 2.Menaga Devi R	In -Progress	integrating it to a web application so that normal users can also use it to predict the energy in a no-code manner. In the application, the user provides the required values and gets the predictions.
28/09	Train the model on IBM 1.Integrate the flask with a scoring end point	Menaga Devi . R	In- Progress	Build a Machine Learning Model and deploy it on the IBM Cloud.
07/10	Ideation Phase 1. Litreature survey on the selected project and information gathering. 2. Prepare the empathy map. 3. Ideation	1. JunoFlora.I Harshini.M Kiran pandiammal.C 2. Mahalakshmi.K Menaga Devi . R 3. Menaga Devi . R Juno Flora . I Harshini . M	Completed	Start the ideation process

		Kiran Pandiammal . C		

10/10	Project Design Phase -1
	1. Proposed solution.
	2. Prepared fit solution
	3. Solution Architecture
		1. Mahalakshmi . K
		2. Juno Flora . I
		   Harshini . M
		   Kiran Pandiammal . C
		3.Harshini.M
		   Mahalakshmi.K
			Completed	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.

12/10	Project Design Phase -2
	1. Customer journey.
	2. Functional requirments
	3. Data flow diagram.
	4. Technology architecture
		1. Kiran pandiammal
		   Harshini . M
		2. Juno Flora . I
		   Harshini .
		3. Mahalakshmi.K
		   Menaga Devi . R
		4. Mahalakshmi.K
		   Menaga Devi . R
			Completed	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit) ,Functional requirements and construct architecture

31/10	Project Planning Phase
	1.Milestone Activity List
	2.Sprint Delivery plan
		1.Juno Flora I
		   Menaga Devi R
		2. Mahalakshmi K
		   Harshini M
			Completed	Prepare milestone activity list and sprint delivery plan for outline of work flow and

02/11	Project Development Phase 1.Sprint -1 2.Sprint-2 3.Sprint-3 4.Sprint-4	1.Mahalakshmi K 2.Harshini M 3.Juno Flora I 4. Kiran Pandiamal C	In-progress	Plan of each task sprint to be developed.