Initial Project Planning Template

Date	9 july 2024
Team ID	team-740034
Project Name	Predicting the Energy Output Of Wind Turbine Based On Weather Condition
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)

Sprint-1	Data Collection and Preprocessing	USN-1	As a team member, I need to gather historical weather data (wind speed, temperature, humidity) and turbine performance data from various sources (sensors, databases) to build a dataset for analysis.	5	High	Data Engineer, Data Scientist	2024-07-15	2024-07-27
Sprint-2	Model Development	USN-2	As a data scientist, I need to explore and analyze the collected data to identify correlations between weather variables and turbine energy output.	8	High	Data scientist	2024-08-15	2024-08-30
Sprint-3	Deployment and Monitoring	USN-3	As an operations engineer, I need to deploy the developed model into a production environment and establish monitoring mechanisms to track its performance.	9	Low	Developer, Operations Engineer	2024-09-05	2024-09-15

Sprint-4	Exploratory Data Analysis	USN-4	As a data analyst, I need to perform exploratory data analysis to understand relationships and patterns between weather variables and wind turbine energy output.	3	Medium	Data Analyst	2024-08-06	2024-08-15