Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	21 October 2022
Team ID	PNT2022TMID30223
Project Name	Predicting The Energy Output Of Wind Turbine Based On Weather Condition.
Maximum Marks	8 Marks

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

Sprint	t Functional User Story User Story / Task Requirement (Epic) Number		Story Points	Priority	Team Members	
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email and password, and confirming my password.		High	Simon Christopher P
Sprint-1		USN-2	As a user, I can register for the application through a Mobile number.	3	Low	Vignesh C
Sprint-1		USN-3	As a user, I can register for the application through Gmail	n 4 Medium		Suman A
Sprint-1	Login	USN-4	As a user, I can log into the application by entering my email & password	5 High		VishnuVignesh Y
Sprint-2	Select City	USN-5	As a user, I should select the city to find the weather details of that city.	5 High		Praveen Kumar S
Sprint-2	Weather Details	USN-6	As a user, I can view the current weather 5 High conditions of the selected city.		Simon Christopher P	
Sprint-3	User Input	USN-7	As a user, I should give the theoretical power and wind speed to predict the energy output.	5 High		Suman A
Sprint-4	Energy Output	USN-8	As a user, I can view the predicted energy output of wind Turbines.	5	High	VishnuVignesh Y

Sprint-3	User details	USN-9	As an admin, I should store the details of the user.	6	Medium	Simon Christopher p
Sprint-2	Data Pre-Processing	USN-10	As an admin, I should clean and pre-process data using pandas.	5	High	Suman A
Sprint-2		USN-11	As an admin, I should train and test the dataset using sklearn.	t the dataset 5 High		VishnuVignesh Y
Sprint-3	Model Building	USN-12	As an admin, I should predict the accuracy of data using supervised machine learning.	12	High	Vignesh C
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	API	USN-13	As an admin, I should connect the presentation tier, logic tier, and data tier using python flask.		High	Vignesh C

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	17	8 Days	22 Oct 2022	29 Oct 2022		
Sprint-2	20	4 Days	31 Oct 2022	03 Nov 2022		
Sprint-3	23	5 Days	04 Nov 2022	08 Nov 2022		
Sprint-4	20	4 Days	09 Nov 2022	12 Nov 2022		

Velocity:

Average velocity of sprint-1: AV = 17/8 = 2.125

Average velocity of sprint-2: AV = 15/4 = 5

Average velocity of sprint-3: AV = 18/5 = 4.6

Average velocity of sprint-4: AV = 20/4 = 5