Project Planning Phase

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

Date	15 November 2022
Team ID	**PNT2022TMID52964**
Project Name	EXPLORATORY ANALYSIS OF RAINFALL DATA IN INDIA FOR AGRICULTURE
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Rainfall Prediction ML Model (Dataset)	USN-1	Weather Dataset Collection, Data preprocessing, Data Visualization.	5	High	Somrithran S, Pranav Narayana B
Sprint-2		USN-2	Train Model using Different machine learning Algorithms	5	High	Pranav Narayana B, Somrithran S
Sprint-2		USN-3	Test the model and give best	10	High	Somrithran S, Pranav Narayana B
Sprint-3	Registration	USN-4	As a user, they can register for the application through Gmail. Password is set up.	5	Medium	Sabari E, Prasanna Venkatesh P
Sprint-3	Login	USN-5	As a user, they can log into the application by entering email & password	5	Medium	Sabari E, Prasanna Venkatesh P
Sprint-3		USN-6	Credentials should be used for multiple systems and verified	4	Medium	Sabari E, Prasanna Venkatesh P
Sprint-3	Dashboard	USN-7	Attractive dashboard forecasting live weather	6	Low	Sabari E, Prasanna Venkatesh P

Sprint-3	Rainfall Prediction	USN-8	User enter the location, temperature, humidity	10	High	Pranav Narayan B, Somrithran S
Sprint-3		USN-9	Predict the rainfall and display the result	10	High	Pranav Narayan B, Somrithran S
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-4	Testing	USN-10	Test the application	10	High	Sabari E, Prasanna Venkatesh P
Sprint-4	Deploy Model	USN-11	Deploy the model in IBM cloud to make user friendly application	10	High	Sabari E, Prasanna Venkatesh P

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	20	6 Days	31Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-2	20	6 Days	05 Nov 2022	10 Nov 2022	20	10 Nov 2022
Sprint-3	20	6 Days	10 Nov 2022	15 Nov 2022	20	15 Nov 2022
Sprint-4	20	6 Days	15 Nov 2022	21 Nov 2022	20	21 Nov 2022

Velocity:

Imagine we have a 5-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

AV= Sprint duration/ Velocity = 20/5 =4

Total Average Velocity=4