Project Planning Phase

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

Date	10 October 2022
Team ID	PNT2022TMID39697
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	Registration	USN-1	As a user, I can register for the application by entering my email, password and confirming	4	High	Naveen Kumar V
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I	3	High	Venkatesh S

			have registered for the application			
Sprint-1	Profile	USN-3	As a user, I have to enter my personal details	3	High	Vignesh V
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email&password	6	Medium	Venkatesh S
Sprint-2	Dashboard	USN-5	As a user, I can log into the application by entering email&password	4	Medium	Naveen Kumar V
Sprint-3	Prediction	USN-6	As a user,I can enter the location and get the prediction results for that particular location	2	High	Naveen Kumar V
Sprint-3	NEWS	USN-7	As a user,i can view latest news articles related to agriculture	3	High	Vignesh v
Sprint-3	Crops	USN-8	As a user, I can view the details of the crops	5	Medium	Rajarajan K

Sprint-4	FeedBack	USN-9	As a user, I can give my feedbacks about the predictions rates, user interface and if any issue to be solved	5	Medium	Vignesh S
Sprint -4	Application Development	USN-10	As a user, I can Use the application for predicting the rainfall.	5	High	Naveen Kumar V

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	16 Oct 2022	21 Oct 2022	10	22 Oct 2022
Sprint-2	20	9 Days	22 Oct 2022	30 oct 2022	10	30 oct 2022
Sprint-3	20	4 Days	1 Nov 2022	4 Nov 2022	10	5 oct 2022
Sprint-4	20	6 Days	5 Nov 2022	11Nov 2022	10	12 NOV 2022

Velocity:

Imagine we have a 10-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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.