Project Planning Phase

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

Date	26October 2022
Team ID	PNT2022TMID29302
Project Name	Project - Exploratory Analysis of Rainfall Data in India for Agriculture
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	The user can use the application to interact using the web UI and chat-box.	2	High	Akshaya,geetha
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	swathi
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Vigneshwari,swathi
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Akshaya,geetha
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Swathi, geetha
Sprint-2	Dashboard	USN-6	The user can access the dashboard	2	High	Akshaya, vigneshwari
Sprint-2	Activity	USN-7	The user gets the weather details, location and additional information as their input.	1	Medium	geetha
Sprint-3	Algorithm	USN-8	The Machine learning algorithms is used to predict the rainfall rate	2	Medium	Swathi, akshaya

Sprint-4	Prediction	UsSN-9	The estimation can be obtained according to the rainfall rate in every state	2	High	vigneshwari

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	8 Days	24 Oct 2022	31 Oct 2022	20	31 Oct 2022
Sprint-2	20	8 Days	03 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-3	20	8 Days	14 Nov 2022	22 Nov 2022	20	22 Nov 2022
Sprint-4	20	8 Days	25 Nov 2022	2 Dec 2022	20	2 Dec 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.