Project Planning Phase

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

Date	11 November2022
Team ID	PNT2022MID1557
Project Name	Estimation of crop yield using data analytics
Maximum Marks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4 Marks)

Use thebelowtemplate to createproductbacklogand sprintschedule

Sprint	Functional Requirement (Epic)	User Story Number	UserStory/Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	user can register for the application by entering my email and password	1	High	PONARASU
Sprint-1	Registration	USN-2	User will receive mail theregistrationis successful.Thattheregistrationhas conformed	1	High	PONARASU
Sprint-2	Registration	USN-3	Asauser,Icanregisterbyanybrowser.	2	Low	TEJESH
Sprint-1	Data extract	USN-4	Asauser,Icanextractdata	1	Medium	PRAVEEN
Sprint-1	Login	USN-5	Asauser,Icanlogintotheapplicationby enteringemail& password	2	High	SASI KUMAR
Sprint-2	Dashboard	USN-6	Icanaccessthedashboard ofmine.	1	Medium	PRAVEEN
Sprint-1	Activity	USN-7	Icanregisterfortheapplicationthrough anywebbrowser.	1	low	TEJESH
Sprint-1	Access resources	USN-8	Icanuse mycredentialsForaccessingmy resources.	1	high	PONARASU
Sprint-2	Set events	USN-9	As,auserIcanscheduleeventsandset events.	1	high	SASI KUMAR
Sprint-3	Tools	USN-10	Icanperformanalysisbytools(cognosand withML)	1	high	PRAVEEN

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	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 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.