Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID44196
Project Name	Project – Estimation of crop yield using data analytics
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	User can register for the application by entering the email, password, and confirming the password.	1	High	Deevija T
Sprint-1	Registration	USN-2	User will receive confirmation email once they have registered for the application.	1	High	Deevija T
Sprint-2	Registration	USN-3	User can register for the application through any browser.	2	Low	Kowsalya A
Sprint-1	Data Extract	USN-4	User can extract data	1	Medium	Kowsalya A
Sprint-1	Login	USN-5	User can log into the application by entering email & password.	2	High	Kavishankari SP
Sprint-2	Dashboard	USN-6	User can access their dashboard.	1	Medium	Kavishankari SP
Sprint-1	Activity	USN-7	User can register for application through any web browser.	1	Low	Nivethitha M
Sprint-1	Access resources	USN-8	User can use their credentials for accessing the resources.	1	High	Nivethitha M
Sprint-2	Set events	USN-9	User can schedule events and set events.	1	High	Kowsalya A
Sprint-3	Tools	USN-10	User can perform analysis by tools(Cognos and with ML)	1	High	Nivethitha M

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.