Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID27824
Project Name	Estimation of crop yield using data analysis
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 my password.	2	High	Krishnappriya B & Gayathri S
Sprint-1	Registration Conformation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Jayashri T & Monica R
Sprint-1	Registration	USN-3	As a user, I can register for the application through Gmail	2	Low	Kunguma Ishwarya & Krishnappriya B
Sprint -1	Registration	USN-4	As a user, I can register for the application through Yahoo	2	Low	Gayathri S & Jayashri T
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	2	Medium	Monica & Kunguma Ishwarya
Sprint -2	Dashboard	USN-6	As a user, I am able to view my profile, edit my profile and able to view guidelines, review etc.,	2	High	Jayashri T, Gayathri S, Monica R, Krishnappriya B &Kunguma Ishwarya
Sprint -3	Query Raising	USN-7	As a user i can ask questions	2	High	Krishnappriya B & Jayashri T
Sprint -2	Report	USN-8	As a user i can get my analysis results as a generated report	2	High	Monica R & Gayathri S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint -3	Query Resolving	USN-9	As a customer care executive , i will try to sort out the issues of the user via chat	2	High	Gayathri S & Kunguma Ishwarya
Sprint -4	Feedback	USN-10	As a user, I can give feedback of my experience with the website	1	High	Kunguma Ishwarya & Jayashri T
Sprint -4	Monitor Application Performance	USN-11	As admin, I will monitor the entire performance of the website frequently	2	High	Monica R & Krishanppriya B

Project Tracker, Velocity & Burndown Chart: (4 Marks)

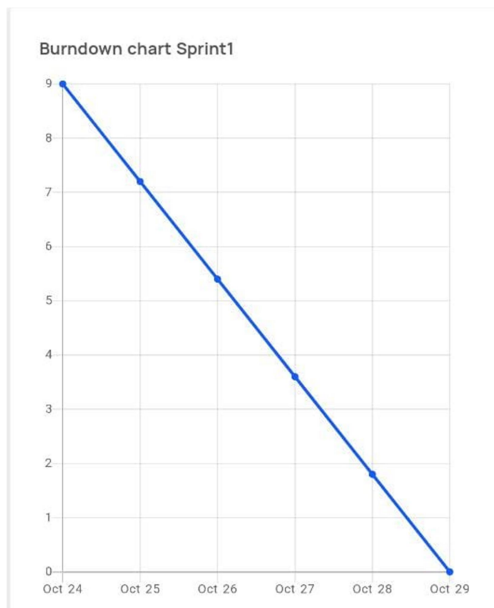| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	9	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	4	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	4	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	3	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.

Burndown chart Sprint1

Road Map:

Reference:

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts