Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID37312
Project Name	Emerging Methods for Early Detection Of Forest Fire
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 d	Priority	Team Members
Sprint-1	Sign Up	USN-1	As a user, I can log into the application by entering email & password.	3	High	Sonia
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Rakshana
Sprint-2	Login	USN-3	As a user, I can login into the application.	5	Medium	Sailakshmi, Sonia
Sprint-3	Dashboard	USN-4	User will monitor the application frequentlyfor any sense of flames/fire in the forest region	4	High	Padmavathy, Sailakshmi
Sprint-3		USN-5	As a user, I can log into the application by entering email & password	1	Low	Sonia, Rakshana
Sprint-4	Administrator	USN-6	As an administrator I provide the cloud database to store and retrieve the images from sensor.	5	High	Sailakshmi, Sonia, Rakshana, Padmavathy

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	31 Oct 2022	20	31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	9 Nov 2022	20	9 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	16 Nov 2022	20	16 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.

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

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

Reference:

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