Project Planning Phase

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

Date	17 Oct 2022
Team ID	PNT2022TMID31761
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
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	Create Flask application	USN-1	The system for monitoring and classifying natural Disasters	2	High	
Sprint-2	Image processing	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	
Sprint-3	classification and analysing	USN-3	As a user, I can register for the application through Facebook	2	Low	
Sprint-4	IBM cloud connection	USN-4	As a user, I can register for the application through Gmail	2	Medium	
Sprint-5	Deployment	USN-5	As a user, I can log into the application by entering email & password	1	High	

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 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		20 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	17 Nov 2022		20 Nov 2022
Sprint-4	20	6 Days	18 Nov 2022	22 Nov 2022		
Sprint-5	20	6 Days	22 Nov 2022	25 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