Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID17906
Project Name	Natural Disaster 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	Upload Data	USN-1	As a user, I can upload either a live stream, video, or photo of the disaster	2	High	Dhanush Sundareson, Arun Pandian, Ponsurya, Perachi Srinithish, Vishnu Venkatraman
Sprint-2	Obtain Output	USN-2	As a user, I can receive the classification and the intensity of the disaster	1	High	Dhanush Sundareson, Arun Pandian, Ponsurya, Perachi Srinithish, Vishnu Venkatraman
Sprint-3	Upload Data	USN-3	As a user, I can upload either a live stream, video, or photo of the disaster	2	High	Dhanush Sundareson, Arun Pandian, Ponsurya, Perachi Srinithish, Vishnu Venkatraman
Sprint-4	Obtain Output	USN-4	As a user, I can receive the classification and the intensity of the disaster	2	High	Dhanush Sundareson, Arun Pandian, Ponsurya, Perachi Srinithish, Vishnu Venkatraman

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	2	6 Days	24 Oct 2022	29 Oct 2022	2	29 Oct 2022
Sprint-2	1	4 Days	31 Oct 2022	03 Nov 2022	1	
Sprint-3	2	5 Days	04 Nov 2022	09 Nov 2022	2	
Sprint-4	2	3 Days	10 Nov 2022	12 Nov 2022	2	

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