

## Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID25918
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	Registration	USN-1	As a user, I can register for the application by entering my email and confirming my password.	9	High	Dharshini Priya
		USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	Dharshini Priya
	Login	USN-3	As a user, I can log into the application by entering my email and password	7	Low	Dharshini Priya
Sprint-2	Data preparation	USN-4	The user data is converted into modules	9	Medium	Sri Nandhini
	Creating the Interactive dashboard	USN-5	Creating the dashboard to display the natural calamities which are about to happen near the location.	9	High	Sujitha Vetriselvi
Sprint-3	Creating the report and story	USN-6	The report is made for the user to check the intensity and the calamities	8	High	Sujitha Vetriselvi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Creating the web application	USN-7	Website is created to display the contents.	7		Dharshini Priya Sri Nandhini Sujitha Vetriselvi

#### 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	4 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	11 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$