

## Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID20222
Project Name	Natural Disaster Intensity Analysis and Design

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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	Saranya M
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Saranya P
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Shubha K
Sprint-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	VijayaBharathi S
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Saranya M
Sprint-1	Dashboard	USN-6	As a user, I can access the services and information provided in the dashboard	2	High	Saranya P
Sprint-1	login	USN-7	As a user, I can log into the web application and access the dashboard	2	High	Shubha K
Sprint-4	Helpdesk	USN-8	As a user, I can get the guidance from the customer care	1	High	VijayaBharathi S
Sprint-3	Management	USN-9	As an administrator, I can collect new datasets and keep the model trained	2	High	Saranya M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-10	As an administrator, I can update other features of the application	2	Medium	Saranya P
Sprint-3		USN-11	As an administrator, I can maintain the information about the user	2	Medium	Shubha K
Sprint-4		USN-12	As an administrator, I can maintain third-party services	1	Low	VijayaBharathi S

### 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	8	6 Days	26 Oct 2022	31 Oct 2022	8	29 Oct 2022
Sprint-2	4	6 Days	1 Oct 2022	05 Nov 2022	4	05 Nov 2022
Sprint-3	6	6 Days	6 Nov 2022	10 Nov 2022	6	12 Nov 2022
Sprint-4	2	6 Days	10 Nov 2022	13 Nov 2022	2	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)

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

$$AV (\text{Sprint 1}) = 8/6 = 1$$

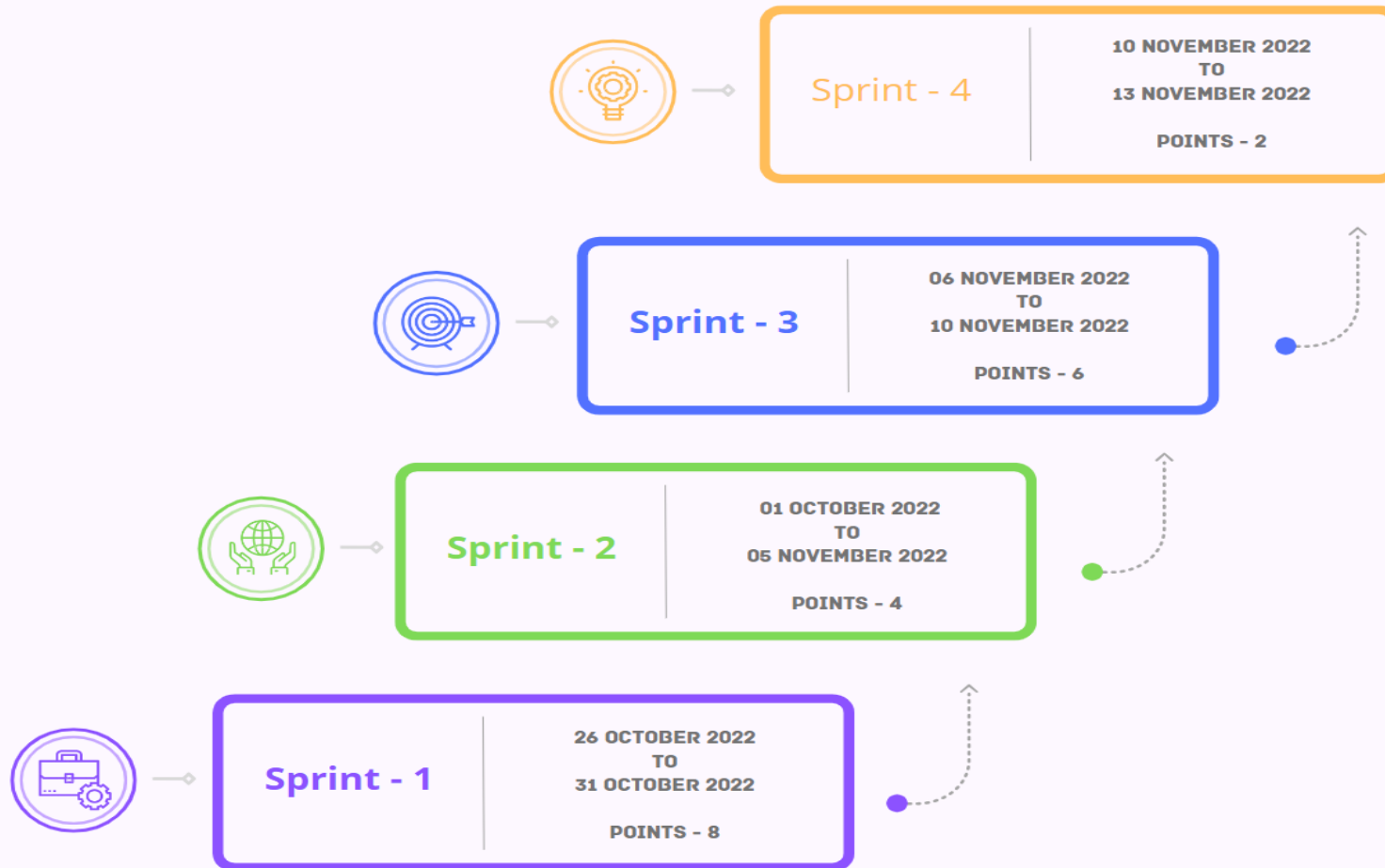
$$AV (\text{Sprint 2}) = 4/6 = 1$$

$$AV (\text{Sprint 3}) = 6/6 = 1$$


$$AV (\text{Sprint 4}) = 2/6 = 1$$

$$AV (\text{Total}) = 20/24 = 1 \text{ (appx., 1 sprint to be completed per day)}$$

## Burndown Chart:



 Natural Disaster Inte...  
Software project

 Back to project

## Reports

Overview

Burnup report

**Sprint burndown chart**

Velocity report

Cumulative flow diagram

Cycle time report

Deployment frequency report

You're in a team-managed project

[Learn more](#)

NDIAC Sprint 1

Story points

**Date** - October 26th, 2022 - October 31st, 2022

