

## Project Planning Phase

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

Date	29 October 2022
Team ID	PNT2022TMID26356
Project Name	Natural disasters intensity analysis and classification using artificial intelligence
Maximum Marks	8 Marks

#### 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	Home page	USN-1	As a user, I want to know to about the basics of frequently occurring Disasters.	2	Low	Hemalatha
Sprint-1	Intro page	USN-2	As a user, I want to about the introduction of Disaster in particular areas.	3	High	Jerusha Prisilla
Sprint-1	Open webcam	USN-3	As a user, I adapt with the webcam to analyse and classify the Disaster from video capturing.	2	Low	Jyothi Krishna
Sprint-1	Designation of Region	USN-4	As a user, I can collect the dataset and select the region of interest to be monitored and analysed.	5	Medium	Eseshwini
Sprint-2	Analysis of required phenomenon	USN-5	As a user, I can regulate certain factors influencing the action and report on past event analysis.	4	High	Jyothi Krishna
Sprint-2	Algorithm selection	USN-6	As a user, I can choose the required algorithm for specific analysis.	4	Medium	Hemalatha
Sprint-2	Training and Testing	USN-7	As a user, I can train and test the model using the algorithm.	4	High	Eseshwini
Sprint-3	Detection and analysis of data	USN-8	As a user, I can detect and visualise the data effectively.	4	High	Jerusha Prisilla

Sprint-3	Model building	USN-9	As a user, I can build with the web application.	8	High	Hemalatha
Sprint-4	Report generation	USN-10	As a user, I can generate detailed report on product data analysis.	4	High	Eseshwini
Sprint-4	Model deployment	USN-11	As an administrator, I can maintain third-party services.	8	High	Jyothi Krishna

#### 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	5 Oct 2022	11 Oct 2022	20	11 Oct 2022
Sprint-2	20	6 Days	11 Oct 2022	17 Oct 2022	20	17 Oct 2022
Sprint-3	20	6 Days	17 Oct 2022	23 Oct 2022	20	23 Oct 2022
Sprint-4	20	6 Days	23 Oct 2022	29 Oct 2022	20	29 Oct 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)

$$\text{Average velocity} = \text{Sprint duration} / \text{velocity} = 20/6 = 3$$


**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.




Natural Disasters Inten...  
Software project


PLANNING


 Roadmap


 Backlog


 Board

DEVELOPMENT

 Code

 Project pages

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Projects / Natural Disasters Intensity Analysis and Classification using AI

All sprints




Epic ▼ Sprint ▼

GROUP BY None ▼  Insights

Issues


Adapt to logging into the application with credentials.

JA-3 2 

IN PROGRESS 2 ISSUES


As a user, I can register for the application by entering the email, password and confirm that.

REGISTRATION

 NDIACUA-1

As a user, I will receive a confirmation email once I have registered for the application.

REGISTRATION

 NDIACUA-2

Sprint progress

0% done

Done

In progress

Not started

0%

42%

58%

Sprint burndown

Add estimates to manage and maintain scope

This insight helps you compare planned work against completed work, so you can track scope and pivot as needed. [Learn more](#)

Epic progress

This sprint is working towards 3 epics

NDIACUA-11 Registration 0% done

NDIACUA-14 Designation of Region 0% done


Back

Help

insight

Sprint burndown

7 points done, 19 points to go On track



Not seeing this insight? Add estimates to your issues in order to calculate your sprint burndown. If you've added estimates after your sprint has started, you'll need to update the sprint's start and end date in the backlog to view this data. [Learn more about adding estimates.](#)

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