

## Project Planning Phase

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

Date	23 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	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 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)

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


**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

 Add shortcut

 Project settings


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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  
with credentials.

JA-3 2 

I can collect the  
d select the region of  
be monitored and

ON OF REGION


JA-4 5 

I can regulate certain  
uencing the action  
on past event

IN PROGRESS 2 ISSUES


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

REGISTRATION

 NDIACUA-1

As a user,I will receive  
confirmation email once I ha  
registered for the applicatio

REGISTRATION

 NDIACUA-2

Sprint progress

0% done

Done

0%

In progress

42%

Not started

58%

Sprint burndown

Add estimates to manage and maintain scope

This insight helps you compare planned worked  
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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