

Project Planning Phase

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

Date	23 October 2022
Team ID	PNT2022TMID40422
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	Thendral
Sprint-1	Intro page	USN-2	As a user, I want to about the introduction of Disaster in particular areas.	3	High	Deepa
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	Sowmiya
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	Manju
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	Sowmiya
Sprint-2	Algorithm selection	USN-6	As a user, I can choose the required algorithm for specific analysis.	4	Medium	Thendral
Sprint-2	Training and Testing	USN-7	As a user, I can train and test the model using the algorithm.	4	High	Manju
Sprint-3	Detection and analysis of data	USN-8	As a user, I can detect and visualise the data effectively.	4	High	Deepa

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

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

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Projects / Natural Disasters Intensity Analysis and Classification using AI

All sprints

Epic Sprint

GROUP BY None Insights

ISSUES

adapting to logging into the application with credentials.

JA-3 2

I can collect the data and select the region of interest to be monitored and analyzed.

DESIGNATION OF REGION

JA-4 5

I can regulate certain parameters influencing the action taken on past event

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

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insight

Sprint burndown

7 points done, 19 points to go

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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