

Project Planning Phase

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

Date	05 November 2022
Team ID	PNT2022TMID48626
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming that.	2	Low	Bavithra C
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application.	3	High	Sujitha P
Sprint-1	Login	USN-3	As a user, I adapt to logging into the system with credentials.	2	Low	Mangala dharsini R
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	Soundharya V

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	Mangala dharsini R
Sprint-2	Algorithm selection	USN-6	As a user, I can choose the required algorithm for specific analysis.	4	Medium	Soundharya V
Sprint-2	Training and Testing	USN-7	As a user, I can train and test the model using the algorithm.	4	High	Sujitha P
Sprint-3	Detection and analysis of data	USN-8	As a user, I can detect and visualise the data effectively.	4	High	Bavithra C
Sprint-3	Model building	USN-9	As a user, I can build with the web application.	8	High	Soundharya V
Sprint-4	Report generation	USN-10	As a user, I can generate detailed report on product data analysis.	4	High	Sujitha P
Sprint-4	Model deployment	USN-11	As an administrator, I can maintain third party services.	8	High	Bavithra C

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	12	6 Days	24 Oct 2022	29 Oct 2022	12	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022

Sprint-3	12	6 Days	07 Nov 2022	12 Nov 2022	12	12 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	12	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)

$$\text{Average velocity} = \text{Sprint duration} / \text{velocity} = 12/6 = 2$$

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.

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Epic 9

Sprint 4

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Insights

TO DO 8 OF 9 ISSUES

As a user, I adapt to logging into the system with credentials.

LOGIN

AI-32AB

As a user, I can collect the dataset and select the region of interest to be monitored and analysed.

DESTINATION OF REGION

AI-45AM

As a user, I can regulate certain factors influencing the action and report on past event analysis.

ANALYSIS OF REQUIRED PHENO...

AI-54AM

IN PROGRESS 2 OF 2 ISSUES

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

REGISTRATION

AI-12AS

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

REGISTRATION

AI-23A

DONE

Insights AI Sprint 3

Sprint progress

0% done

Done

In progress

Not started

0%

0%

100%

Sprint burndown

BETA

0 points done, 12 points to go

Heads up

100%

80%

60%

40%

20%

0%

Oct 31

Nov 14

Remaining work

Guideline

Epic progress

This sprint is working towards 2 epics

AI-19 Model Building0% done