

Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID21298
Project name	Natural Disaster 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, Registering into the product using a valid email address	5	High	Raj R Sonbarsh
Sprint-2	Registration	USN – 2	As a user, Registering into the product using a valid username and password	3	Medium	Suraj KK
Sprint-1	Authentication	USN – 3	As a user , I adept to logging into the system with credentials	4	High	Raj R Sonbarsh
Sprint-2	Authentication	USN - 4	As a user , I adept to logging into the system with OTP	2	High	Suraj KK
Sprint-1	Designation of Region	USN – 5	selecting the region of interest to be monitored and analysed	3	High	Bhuvaneshwaran K Raj R Sonbarsh
Sprint-2	Analysis of Required Phenomenon	USN – 6	Regulating certain factors influencing the actions of the phenomenon	3	High	Chandira Seikaran N S
Sprint-2	Accumulation of required Data	USN – 7	Gathering data and detailed report on past event analysis	4	Medium	Bhuvaneshwaran K Suraj KK
Sprint-4	Organizing Unstructured data	USN – 8	Organizing and reorienting the raw data into a refined data	3	Low	Raj R Sonbarsh Chandira Seikaran N S
Sprint-2	Algorithm selection	USN – 9	Choosing a required algorithm for specific analysis	2	High	Raj R Sonbarsh Bhuvaneshwaran K Chandira Seikaran N S
Sprint-3	Prediction and analysis of data	USN – 10	Predicting and visualizing the data effectively	6	High	Chandira Seikaran N S Bhuvaneshwaran K Raj R Sonbarsh Suraj KK
Sprint-4	Report generation	USN – 11	Generating a clear and detailed report on product data analysis	3	High	Suraj KK Raj R Sonbarsh

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	30 Oct 2022
Sprint-2	14	6 days	31 Oct 2022	5 Nov 2022	14	6 Nov 2022
Sprint-3	6	6 days	07 Nov 2022	12 Nov 2022	6	8 Nov 2022
Sprint-4	6	6 days	14 Nov 2022	19 Nov 2022	6	20 Nov 2022

Velocity:

Sprint - 1

$$\begin{aligned}\text{Average Velocity} &= \text{Sprint duration} / \text{Velocity} \\ &= 12 / 6 \\ &= 2\end{aligned}$$

Sprint - 2

$$\begin{aligned}\text{Average Velocity} &= \text{Sprint duration} / \text{Velocity} \\ &= 14 / 6 \\ &= 2.3\end{aligned}$$

Sprint - 3

$$\begin{aligned}\text{Average Velocity} &= \text{Sprint duration} / \text{Velocity} \\ &= 6 / 6 \\ &= 1\end{aligned}$$

Sprint - 4

Average Velocity = Sprint duration / Velocity

$$= 6 / 6$$

$$= 1$$