Project Planning Phase

Project Planning

(Product Backlog, SprintPlanning, Stories, Story points)

Date	**28 October 2022**
Team ID	**PNT2022TMID37583**
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	Selva Sathish T
Sprint-2	Registration	USN – 2	As a user, Registering into the product using a valid username and password	3	Medium	Nawin Kumar P
Sprint-1	Authentication	USN – 3	As a user , I adept to logging into the system with credentials	4	High	Selva Sathish T
Sprint-2	Authentication	USN - 4	As a user , I adept to logging into the system with OTP	2	High	Nawin Kumar P
Sprint-1	Designation of Region	USN – 5	selecting the region of interest to be monitored and analysed	3	High	Kiruba Karan A Selva Sathish T
Sprint-2	Analysis of Required Phenomenon	USN – 6	Regulating certain factors influencing the actions of the phenomenon	3	High	Sharath B
Sprint-2	Accumulation of required Data	USN – 7	Gathering data and detailed report on past event analysis	4	Medium	Kiruba Karan A Nawin Kumar P
Sprint-4	Organizing Unstructured data	USN – 8	Organizing and reorienting the raw data into a refined data	3	Low	Selva Sathish T Sharath B
Sprint-2	Algorithm selection	USN – 9	Choosing a required algorithm for specific analysis	2	High	Selva Sathish T Kiruba Karan A Sharath B
Sprint-3	Prediction and analysis of data	USN – 10	Predicting and visualizing the data effectively	6	High	Sharath B Kiruba Karan A Selva Sathish T Nawin Kumar P
Sprint-4	Report generation	USN – 11	Generating a clear and detailed report on product data analysis	3	High	Nawin Kumar P Selva Sathish T

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

Average Velocity = Sprint duration / Velocity

= 12 / 6

= 2

Sprint - 2

Average Velocity = Sprint duration / Velocity

= 14 / 6

= 2.3

Sprint - 3

Average Velocity = Sprint duration / Velocity

= 6 / 6

= 1

Sprint - 4

Average Velocity = Sprint duration / Velocity

= 6 / 6

= 1