Project Planning Phase

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

Date	19.112022
Team ID	PNT2022TMID45080
Project name	Natural Disaster Intensity analysis and classification usingartificial 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	3	Medium	Suraj KK

			and password			
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 theactions 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 |

Sprint		USN – 11		3	High	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 EndDate (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

$$= 6 / 6$$

$$= 1$$