Date	01 November 2022
Team ID	PNT2022TMID52144
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence

Project Planning Phase

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

Product Backlog, Sprint Schedule, and Estimation (4 Marks):

Use the below template to create product backlog and sprint schedule

Sprint	Function al 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	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala
Sprint-2	Registration	USN – 2	As a user, registering into the product using avalid username and password	3	Medium	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala
Sprint-1	Authentication	USN – 3	As a user, I adept to logging into the system with credentials	4	High	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala
Sprint-2	Authentication	USN - 4	As a user, I adept to logging into the system with OTP	2	High	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala
Sprint-1	Designation of Region	USN – 5	selecting the region of interest to be monitored and analyzed	3	High	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala

Sprint-2	Analysis of Required Phenomenon	USN – 6	Regulating certain factors influencing the actions of the phenomenon	3	High	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala

Sprint	**Functional Requirement (Epic)**	**User story Number**	**User story / Task**	**Story points**	**Priority**	**Team members**
Sprint-2	Accumulation of required Data	USN – 7	Gathering data and detailed report on past event analysis	3	Low	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala
Sprint-4	Organizing Unstructured data	USN – 8	Choosing a required algorithm for specific analysis	2	High	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala
Sprint-2	Algorithm selection	USN – 9	Choosing a required algorithm for specific analysis	6	High	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala
Sprint-3	Prediction and analysis of data	USN – 10	Predicting and visualizing the data effectively	36	High	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala
Sprint-4	Report generation	USN – 11	Generating a clear and detailed report on product data analysis	3	High	P.Selin Prabavathy A.Sivalakshmi T.Sivamartin R.Sornamala

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
Average Velocity = 2

Sprint - 2

Average Velocity = Sprint duration / Velocity
= 14 / 6
Average Velocity = 2.3

Sprint - 3

Average Velocity = Sprint duration / Velocity
= 6 / 6
Average Velocity = 1

Sprint - 4

Average Velocity = Sprint duration / Velocity
= 6 / 6
Average Velocity = 1

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It isoften used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

An approximate work plan in burndown