Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	18October 2022
Team ID	PNT2022TMID34201
Project Name	Project – Natural disaster intensity analysis and classification using artificial intellligence
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

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	2	High	Rabeena p Rajeshwari s
Sprint-2	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Medium	Srimathy Velam A K Sindhu Bairavi S N
Sprint-1	Authentication	USN-3	As a user, I can register login to the system with required credintials	2	High	Rabeena P Rajeshwari S
Sprint-2	Analysis of required data	USN-4	Regulating certain factors influencing the actions of the phenomenon	2	High	Srimathy Velam A K Sindhu Bairavi S N
Sprint-2	Accumulation of data	USN-5	Gathering the data required for the analysis	1	High	Rabeena P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint -3	Organizing the unstructured data	USN-6	An organized collection of data stored in database to access and manage the data easily	2	Low	Rajeshwari S
Sprint-3	Selection of algorithm	USN-7	Choosig a required algorithm for the analysis	3	High	Sindhu Bairavi S N
Sprint-4	Report generation	USN-8	Generating a clear detailed report based on the analysis	3	High	Srimathy Velam A K Sindhu Bairavi S N Rabeena P Rajeshwari S

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	20	6 Days	25 Oct 2022	30 Oct 2022	20	31 Oct 2022
Sprint-2	20	6 Days	1 Novt 2022	06 Nov 2022	20	6 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	14 Nov 2022
Sprint-4	20	5 Days	14 Nov 2022	18 Nov 2022	20	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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

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.