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

Date	18October 2022
Team ID	PNT2022TMID34177
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence.
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	Remote Sensing	USN-1	As a user, I can find a method more efficient and advanced.	2	High	P. Santhiya
Sprint-1		USN-2	As a user, I can visualize the critical vulnerabilities & damages.	1	High	G. Rajeshwari
Sprint-2	Physical Features	USN-3	As a user, I can , find it gathering information and tracking.	2	Low	R..L Ragavi
Sprint-1		USN-4	As a user, I can collect the	2	Medium	V.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			information from affected areas and track the people who are affected.			Sindhuja P.Santhiya
Sprint-1	Security	USN-5	As a user, I can provide useful information to decision-makers, helping to establish global peace and security.	1	High	R..L Ragavi G. Rajeshwari
	Results	USN-6	As a user, I can rely on the results without any suspicion.	3	Medium	P. Santhiya G. Rajeshwari
		USN-7	As a user, I can get the results on the spot immediately after the sensing.	5	High	V. Sindhuja R.L Ragavi
	Safety	USN-8	As a user,I may not enter the damaged buildings or home.		High	G. Rajeshwari V.Sindhuja
		USN-9	As a user, I will not enter into the damaged buildings because floodwaters remain around the building and Authorities have not	7	Medium	R.L Ragavi P. Santhiya

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			declared it safe to enter.			
	Cost effectiveness	USN-10	As a user,I can reach many people suffering from no food and shelter.	10	Medium	R. .L Ragavi G. Rajeshwari
	Results	USN-11	As a user, I can complete the sensing process within minute for an affected people.	12	High	V. Sindhuja P. Santhiya

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	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 NOV 2022
Sprint-3	20	6 Days	07 Nov2022	12 Nov 2022	20	12 Nov 2022

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-4	20	6 Days	14 Nov 2022	19 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.