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

Date	03 November 2022
Team ID	PNT2022TMID37822
Project Name	Natural Disaster 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Sudharsan
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Mohamed Asarudeen
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Shaik Abdullah
Sprint-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	Shamir ahmed
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Sudharsan
Sprint-1	Dashboard	USN-6	As a user, I can access the services and information provided in the dashboard	2	High	Mohamed Asarudeen
Sprint-1		USN-7	As a user, I can log into the web application and access the dashboard	2	High	Shaik Abdullah
Sprint-4	Help	USN-8	As a user, I can get the feedback and guidance from the customer care	1	High	Ameed Ibrabim

Sprint-3	Management	USN-9	As an administrator, I can collect new datasets to keep the model trained	2	High	Sudharsan
Sprint-3		USN-10	As an administrator, I can update other features of the Web application	2	Medium	Mohamed Asarudeen
Sprint-3		USN-11	As an administrator, I can maintain the information about the user	2	Medium	Ameed ibrabim
Sprint-4		USN-12	As an administrator, I can maintain third-party services	1	Low	Shamir ahmed
Sprint-4	Report	USN-13	As an administrator , I can collect the report and bug to maintain the website	2	High	Shaik Abdullah

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	8	6 Days	26 Oct 2022	31 Oct 2022	8	29 Oct 2022
Sprint-2	4	6 Days	1 Oct 2022	05 Nov 2022	4	05 Nov 2022
Sprint-3	6	6 Days	6 Nov 2022	10 Nov 2022	6	12 Nov 2022
Sprint-4	4	6 Days	10 Nov 2022	13 Nov 2022	4	22 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)

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

AV (Sprint 1) = 8/6 = 1 AV

AV(Sprint 2) = 4/6 = 1 AV

AV (Sprint 3) = 6/6 = 1

AV (Sprint 4) = 2/6 = 1

AV (Total) = 20/24 = 1 (appx. , 1 sprint to be completed per day)

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.

	OCT					NOV							NOV							NOV							NOV		
	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Sprints																														
Releases																														
⚡ NDIAC-2 Registration			▓▓▓▓																											
⚡ NDIAC-3 Login						▓▓▓▓																								
⚡ NDIAC-4 Dashboard									▓▓▓▓																					
⚡ NDIAC-6 Helps												▓▓▓▓																		
⚡ NDIAC-7 Management																		▓▓▓▓												
⚡ NDIAC-8 Report																							▓▓▓▓							