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

Date	**18 October 2022**
Team ID	**PNT2022TMID20714**
Project Name	**Emerging Methods for Early Detection of Forest Fires**
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	I can sign up for the application as a user by providing my email address, a password, and a password confirmation.	20	High	ASMITHA NACHIYAR P SANGEETHA M NOURA FATHIMA A MONISHA R PRIYADHARSHINI K
Sprint-1		USN-2	Once I've signed up to use the application, I, as a user, will receive a confirmation email.	20	Medium	ASMITHA NACHIYAR P SANGEETHA M NOURA FATHIMA A MONISHA R PRIYADHARSHINI K
Sprint-2	Input	USN-3	The database receives information each time a fire is discovered.	20	High	ASMITHA NACHIYAR P SANGEETHA M NOURA FATHIMA A MONISHA R PRIYADHARSHINI K
Sprint-2		USN-4	The warning system is turned on when there is a wildfire.	20	High	ASMITHA NACHIYAR P SANGEETHA M NOURA FATHIMA A MONISHA R PRIYADHARSHINI K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Output	USN-5	Additionally, the alarm informed the relevant departments that a wildfire had started.	20	High	ASMITHA NACHIYAR P SANGEETHA M NOURA FATHIMA A MONISHA R PRIYADHARSHINI K
Sprint-4	Action	USN-6	The necessary steps will be taken to control the erupted wildfire by getting there as quickly as possible with the aid of detecting systems.	20	High	ASMITHA NACHIYAR P SANGEETHA M NOURA FATHIMA A MONISHA R PRIYADHARSHINI K

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 Nov 2022	12 Nov 2022	20	12 Nov 2022
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)

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