

# PROJECT PLANNING PHASE

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

Date	07 November 2022
Team ID	PNT2022TMID13406
Project Name	Emerging Methods Of Early Detection of Forest Fires

## Product Backlog, Sprint Schedule, and Estimation.

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story/ Task	Story Points	Priority
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	20	High
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application usage.	20	High
Sprint-2	Input	USN-3	Whenever the fire is detected, the information is given to the database.	20	High
Sprint-2		USN-4	When it is the wildfire then the alarming system is activated.	20	High
Sprint-3	Output	USN-5	And the alarm also sent to the corresponding departments and made them know that the wildfire is erupted.	20	High

Sprint	Functional Requirements (Epic)	User Story Number	User Story/Task	Story Points	Priority
Sprint-4	Action	USN-6	Required actions will be taken in order to controlled erupted wildfire by reaching as early as possible to the destination with the help of detecting systems.	20	High

#### PROJECT TRACKER, VELOCITY & BURNDOWN CHART:

Sprint	Total Story Points	Duration	Story Points Completed (as on planned End Date)
Sprint-1	20	6 Days	20
Sprint-2	20	6 Days	20
Sprint-3	20	6 Days	20
Sprint-4	20	6 Days	20

#### VELOCITY:

Image 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).

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