

PROJECT PLANNING PHASE

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

Date	13 November 2022
Team ID	PNT2022TMID13306
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	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).

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