

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID13480
Project Name	Project – Early detection of forest fire
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.	5	High	Gowsik G Harish R Hemachandran V Hariharan k
Sprint-1		USN-2	As a user, I can register for the application through Mobile number.	3	Low	Gowsik G Harish R Hemachandran V Hariharan k
Sprint-1		USN-3	As a user, I can register for the application through Gmail	4	Medium	Gowsik G Harish R Hemachandran V Hariharan k
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	Gowsik G Harish R Hemachandran V Hariharan k
Sprint-2	Dashboard	USN-5	As a user, I can check my account details on the dashboard.	1	Low	Gowsik G Harish R Hemachandran V Hariharan k
Sprint-2	Providing images	USN-6	As a user, I can check for forest fire by either providing images or Camera	5	High	Gowsik G Harish R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Hemachandran V Hariharan k
Sprint-4	Prediction	USN-7	As a user, I can view whether the forest is on fire or not	5	High	Gowsik G Harish R Hemachandran V Hariharan k
Sprint-3	Data Pre-Processing	USN-8	As a admin, I should clean and pre-process data using pandas.	5	High	Gowsik G Harish R Hemachandran V Hariharan 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	03 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	10 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	17 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)

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