

Project Planning Phase

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

Date	15 November 2022
Team ID	PNT2022TMID49069
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	As a user, I can register for the application by entering my email, password, and confirming my password.	20	High	G.KaniMurugan M.MubarakJibril C.GopiKrishnan R.Babu
Sprint-1		USN-2	Whenever the fire is detected, the information is given to the database	20	High	G.KaniMurugan M.MubarakJibril C.GopiKrishnan R.Babu
Sprint-2	Input	USN-3	The tranining image in xml file Customer Details in contacts	20	High	G.KaniMurugan M.MubarakJibril

						C.GopiKrishna n R.Babu
int-2		USN-4	Forest Data video record saving video	20	High	G.KaniMuruga n M.MubarakJib ril C.GopiKrishna n R.Babu

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Output	USN-5	When it is the wildfire then the alarming system is activated. And the alarm also sent to the corresponding departments and made them know that the wildfire is erupted.	20	High	G.KaniMurugan M.MubarakJibril C.GopiKrishnan R.Babu
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	G.KaniMurugan M.MubarakJibril C.GopiKrishnan R.Babu

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	14 Nov 2022
Sprint-2	20	6Days	31 Oct 2022	05 Nov 2022	20	14 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	14Nov 2022
Sprint-4	20	3 Days	12 Nov 2022	14Nov 2022	20	14Nov 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)

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