

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID25532
Project Name	Emerging Methods for Early Detection of Forest Fires
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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	Harish Ragavendhar
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	Vikneswar
Sprint-2		USN-3	As a user, I can register for the application through Google	6	Medium	Suresh raja perumal
Sprint-1		USN-4	As a user, I can register for the application through Gmail	4	Medium	Harish Ragavendha
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	4	High	Vikneswar
Sprint-2		USN-6	As a user, I can log into the application by using google authentication	4	Low	Suresh raja perumal
Sprint-3	Dashboard	USN-7	As a user, I can monitor the forest using CCTV camera	10	Medium	Santhana selvam chandru, Harish Ragavendhar
Sprint-3		USN-8	As a user, I can demonstrate the detection fire using sample video	10	High	Santhana selvam chandru, Harish Ragavendhar

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Alert	USN-9	If the fire is detected alert through Twilio API	15	High	Vikneswar, Suresh raja perumal
Sprint-5	Proctor	USN-10	As a admin, I can proctor manually and check confirmation of fire alert send to cusotmer	20	High	Santhana selvam chandru, Harish Ragavendhar

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	19	6 Days	24 Oct 2022	29 Oct 2022	19	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	15	6 Days	14 Nov 2022	19 Nov 2022	15	19 Nov 2022
Sprint-5	20	6 Days	21 Nov 2022	28 Nov 2022	20	28 Nov 2022

Velocity:

Average velocity of sprint-1: $AV = 19/6 = 3.16$

Average velocity of sprint-2: $AV = 10/6 = 1.6$

Average velocity of sprint-3: $AV = 20/6 = 3.3$

Average velocity of sprint-4: $AV = 15/6 = 2.5$

Average velocity of sprint-5: $AV = 20/6 = 3.3$

Burndown Chart:

