Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID44251
Project Name	Project –Emerging Methods For Early Detection Of Forest Fire
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation :

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Image processing	USN-1	Processing the image to find the fire is detected or not	1	Medium	R.Nandhini, R.Revathi, S.Dhivya.
Sprint-1		USN-2	The output would have to give high accuracy	2	High	R.Nandhini, R.Revathi, S.Dhivya S.Mahalakshmi
Sprint-2	Video Processing	USN-3	The videos will be split into frames todetect the fire	3	High	R.Nandhini, R.Revathi, S.Dhivya, S.Mahalakshmi
Sprint-3	Alerting	USN-4	After the fire is detected the alert message have to be sent.	2	High	R.Nandhini, R.Revathi, S.Dhivya, S.Mahalakshmi
Sprint-4	Locating Tracking	USN-5	The exact location of the fire will be predicted and sent along with the alert message.	2	High	R.Nandhini, R.Revathi, S.Dhivya, S.Mahalakshmi.

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	30	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 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=Sprint duration/Velocity=20/6=3