EMERGING METHODS FOR THE EARLY DETECTION OF FOREST FIRES

PROJECT PLANNING PHASE

SPRINT DELIVERY PLAN

Date	10 October 2022
Team ID	PNT2022TMID03761
Project Name	Emerging Methods for Early Detection of Forest Fires
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 detectedor not.	1	Medium	1.Vigneshwaran2.Yogavignes 3.yuvaraj 4.Varsha

Sprint-1		USN-2	The output would have to give high accuracy.	2	High	1.Vignes hwaran2 .Yogavi gnes 3.yuvara j 4.Varsha
Sprint-2	Video Processi ng	USN-3	The drone videos will be split into frames todetect the fire.	3	High	1.Vignes hwaran2 .Yogavi gnes 3.yuvara j 4.Varsha
Sprint-3	Alerting	USN-4	After the fire is detected the alert message haveto be sent.	2	High	1.Vignes hwaran2 .Yogavi gnes 3.yuvara j 4.Varsha

| Sprint-4 | Location tracking | USN-5 | The exact location of the drone will be predictedand sent along with the alert message. | 2 | High | 1.Vignes hwaran2 .Yogavi gnes 3.yuvara j 4.Varsha |

Project Tracker, Velocity & Burndown Chart:

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	25 Oct 2022	30 Oct 2022	30	30 Oct 2022
Sprint-2	20	6 Days	1 Nov 2022	06 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	08 Nov 2022	13 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	15 Nov 2022	20 Nov 2022	20	20 Nov 2022

Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's now calculate the team's average velocity (AV) periteration unit (story points per day)

AV=Sprint duration/Velocity
=20/6=3