PROJECT PLANNING PHASE

SPRINT DELIVERY PLAN

TEAM ID : PNT2022TMID0418
PROJECT NAME : Emerging Methods for Early Detection of Forest Fire

Product Backlog, Sprint Schedule, and Estimation

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	Manikandan.S Santhosh.R Saravanan.S Vinoth.R
Sprint 1		USN-2	As a user, I will receive confirmation email once I have registered for the application usage.	20	High	Manikandan.S Santhosh.R Saravanan.S Vinoth.R
Sprint 2	Input	USN-3	Whenever the fire is detected, the information is given to the database.	20	High	Manikandan.S Santhosh.R Saravanan.S Vinoth.R
Sprint 2		USN-4	When it is the wildfire then the alarming system is activated.	20	High	Manikandan.S Santhosh.R Saravanan.S Vinoth.R
Sprint 3	Output	USN-5	And the alarm also sent to the corresponding departments and made them know that the wildfire is erupted.	20	High	Manikandan.S Santhosh.R Saravanan.S Vinoth.R
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	Manikandan.S Santhosh.R Saravanan.S Vinoth.R

Project Tracker, Velocity & Burndown Chart:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date(planning)	Story Point Completed (as on Planned End Date)	Sprint Release Date (Actual)
1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
3	20	6 Days	12 Nov 2022	12 Nov 2022	20	12 Nov 2022
4	20	6 Days	19 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)

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