Project Planning Phase

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

Date	19 November 2022
Team ID	**PNT2022TMID17419**
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 must register my mobile number in order to get alert message	10	High	Elankumaran.R
Sprint-1	security	USN-2	Only registered user must get the message	10	medium	
Sprint-2	process	USN-3	The input video will be converted into frames and image preprocessing will be done	20	Low	Subashchandrabose
Sprint-3	Monitoring	USN-4	Constant monitoring will be enabled for the detection of forest fire	20	Medium	Dinesh.P
Sprint-4	Alert System	USN-5	Once the pattern of fire is detected an alert signal will be enabled and notification will be intimated	20	High	Rajkumar K.S

SPRINT	PROGRESS
Sprint 1	Project objectives, project flow, Prior Knowledge ,Data collection, Image preprocessing, module building
Sprint 2	Video Analysis
Sprint 3	Train CNN module on IBM
Sprint 4	Project delivery

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	27Oct 2022	04 Nov 2022	20	29 Oct 2022
Sprint-2	20	6 Days	04Oct 2022	08 Nov 2022	30	30 Oct 2022
Sprint-3	20	6 Days	08 Nov 2022	12 Nov 2022	49	06 Nov 2022
Sprint-4	20	6 Days	12Nov 2022	15 Nov 2022	50	07 Nov 2022

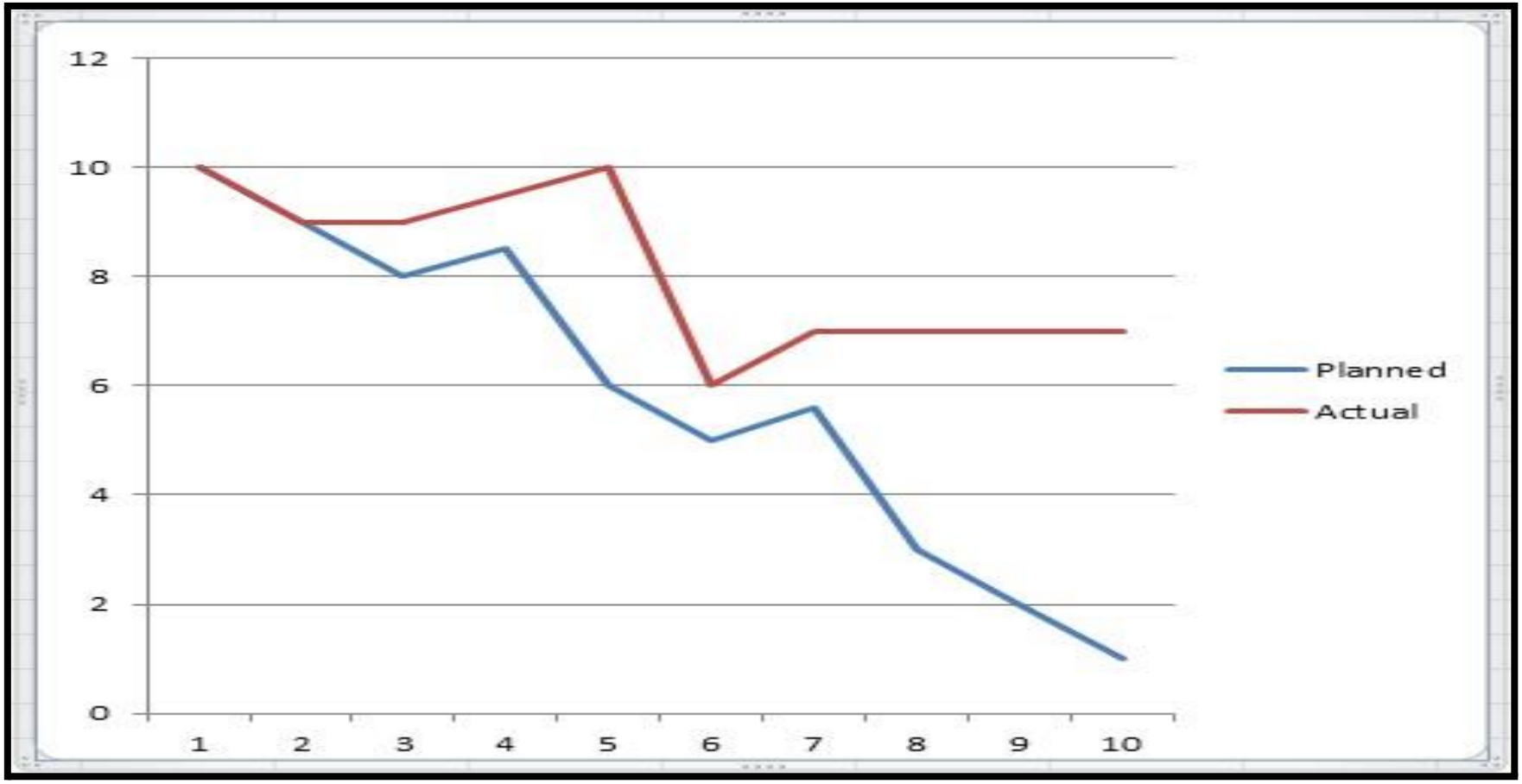
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

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)

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum.However, burn down charts can be applied to any project containing measurable progress over time.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