IOT – SMART WASTE MANAGEMENT SYSTEM

Project Planning Phase

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

Date	13 NOVEMBER 2022
Team ID	PNT2022TMID43116
Project Name	SmartFarmer-IOT Enabled Smart Farming Application
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dashboard	USN-1	As a User, I can differentiate the wet and dry soil	2	High	Janani Priya R Dhanushkumar M
Sprint-2	Dashboard	USN-2	As a User, I can detect the moisture content in the soil	1	High	Janani Priya R Subathra S.M
Sprint-3	Dashboard	USN-3	As a User ,detect the pest intrusion in the field	2	Medium	Krishnaveni N Subathra S.M
Sprint-4	Dashboard	USN-4	As a User , I can get control our the sensor on and off	2	High	Dhanushkumar M Janani Priya R

Project Tracker, Velocity & Burn down 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	25 Oct 2022	28 Oct 2022	20	18 Nov 2022
Sprint-2	20	6 Days	30 Oct 2022	04 Nov 2022	20	18 Nov 2022
Sprint-3	20	6 Days	06 Nov 2022	12 Nov 2022	20	18 Nov 2022
Sprint-4	20	6 Days	13 Nov 2022	18 Nov 2022	20	18 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)

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

Burn down Chart: