Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	22October 2022
Team ID	PNT2022TMID44065
Project Name	Project - SmartFarmer - IoT Enabled Smart Farming Application
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	Simulation creation	USN-1	Connect Sensors and Arduino with python code	2	High	Deenadhayalan, Sugendran, Kesavaraj, Mohammadharis.
Sprint-2	Software	USN-2	Creating device in the IBM Watson IoT platform, workflow for IoT scenarios using Node-Red	2	High	Deenadhayalan, Sugendran, Kesavaraj, Mohammad haris.
Sprint-2	MIT App Inventor	USN-3	Develop an application for the Smart farmer project using MIT App Inventor	2	High	Deenadhayalan, Sugendran, Kesavaraj, Mohammad haris.
Sprint-3	Dashboard	USN-4	Design the Modules and test the app	2	High	Deenadhayalan, Sugendran, Kesavaraj, Mohammad haris.
Sprint-4	Web UI	USN-5	To make the user to interact with software.	2	High	Deenadhayalan, Sugendran, Kesavaraj, Mohammad

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						haris.

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	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		19 Nov 2022

Velocity:

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

Burndown Chart: