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

Date	29 October 2022
Team ID	PNT2022TMID30663
Project Name	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	Simulator	USN-1	Connect Sensors and Ardunio with Python code.	2	High	Sevvanthi Preethika Pavithra Sowmiya
Sprint-2	Software	USN-2	IBM Watson IoT platform, Workflows for IoT scenarios using Node-red.	2	High	Sevvanthi Preethika Pavithra sowmiya
Sprint-3	MIT App Inventor	USN-3	To develop an mobile application using MIT App Invertor for Smart Farming	2	High	Sevvanthi Preethika Pavithra Sowmiya
Sprint-3	Dashboard	USN-4	To design the modules to test the total circuit and the software configurations of IBM IoT Platform and the Node-Red service.	2	High	Sevvanthi Preethika Pavithra Sowmiya

| Sprint-4 | Web UI | USN-5 | To allows the user to interact with content or software running on a remote server through a Web browser | 2 | High | Sevvanthi Preethika Pavithra sowmiya |

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	20	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 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)

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