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

Date	03 November 2022
Team ID	PNT2022TMID29181
Project Name	Project – Smart Farmer- IoT basedSmart Farming Application
Maximum Marks	8 Marks

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

	Functional Requirement (Epic)	User Story Number		Points		Team Members
Sprint-1	Simulation creation	USN-1	Connect Sensors and Arduino withpython code	2	High	Sathiyanarayanan,Velmurugan,Boopathi
Sprint-2	Software	USN-2	Creating device in the IBM WatsonIoT platform, workflow for IoT scenarios using Node-Red	2	High	Sathiyanarayanan, Shyam Chander

Sprint		User Story Number	User Story / Task	Story	Priority	
Sprint-3	MIT App Inventor	USN-3	Develop an application for the Smart farmer project using MIT App Inventor	2	High	Sathiyana rayanan, Boopathi

Sprint   **User Story / Task**   **Story**   **Priority**

Sprint		User Story Number	User Story / Task	Story	Priority	
Sprint-3	Dashboard	USN-3	Design the Modules and test the app	2	High	Sathiyanarayanan,Velmurugan
Sprint-4	Web UI	USN-4	To make the user interact with software.	2	High	Sathiyanarayanan,Velmurugan,Boopathi,Shyam Chander

Project Tracker, Velocity & Burndown Chart: (4 Marks)

	Total Story Points	n	Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint ReleaseDate (Actual)
Sprint-1	20	7 Days	30 Oct 2022	06 Nov 2022	20	29 Oct 2022
Sprint-2	20	9 Days	31 Oct 2022	09 Nov 2022		05 Oct 2022

| Sprint-3 | 20 | **6 Days** | 06 Nov 2022 | 13 Nov 2022 | | 12 Oct 2022 |
| Sprint-4 | 20 | **6 Days** | 11 Nov 2022 | 17 Nov 2022 | | 15 Oct 2022 |

Start 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)

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