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

Date	03 November 2022
Team ID	PNT2022TMID42904
Project Name	Project – Smart Farmer- IoT based Smart 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 with python code	2	High	Abishek, Kumaran, DanielRemijes, Adhvaidh
Sprint-2	Software	USN-2	Creating device in the IBM Watson IoT platform, workflow for IoT scenarios using Node-Red	2	High	Abishek, Kumaran, DanielRemijes, Adhvaidh

Sprint-3	MIT App Inventor	USN-3	Develop an application for the Smart farmer project using MIT App Inventor	2	High	Abishek, Kumaran, DanielRemijes, Adhvaidh

Sprint			User Story / Task	Story	Priority	
Sprint-3	Dashboard	USN-3	Design the Modules and test the app	2	High	Abishek, Kumaran, DanielRemijes, Adhvaidh
Sprint-4	Web UI	USN-4	To make the user to interact with software.	2	High	Abishek, Kumaran, DanielRemijes, Adhvaidh

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 Release Date (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)

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