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

Date	03 November 2022
Team ID	PNT2022TMID49408
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	Devadharshini, yuvaraj,muthamilarasu,madhumitha
Sprint-2	Software	USN-2	Creating device in the IBM Watson IoT platform, workflow for IoT scenarios using Node-Red	2	High	Devadharshini, yuvaraj, madhumitha, muthamilarasu

Sprint-3	MIT App Inventor	USN-3	Develop an application for the Smart farmer project using MIT App Inventor	2	High	Devadharshini, yuvaraj, madhumitha, muthamilarasu

	Total Story Points	**n**	**Date**	**Sprint End Date (Planned)**	**Story Points Completed (as on Planned End Date)**	**Sprint Release Date (Actual)**
Sprint-1	20	Days	Oct 2022	06 Nov 2022	20	Oct 2022
Sprint-2	20	Days	Oct 2022	09 Nov 2022		05 Oct 2022

Sprint		**User Story / Task**		**Story**	**Priority**	
Sprint-3	Dashboard	USN-3	Design the Modules and test the app	2	High	Devadharshini, yuvaraj, madhumitha, muthamilarasu
Sprint-4	Web UI	USN-4	To make the user interact with software.	2	High	Devadharshini, yuvaraj, madhumitha, muthamilarasu

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

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)

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