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

Date	18 October 2022
Team ID	PNT2022TMID46568
Project Name	Project - samertfarmer
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	Selvanayagi .M Elapriya.E Ashwini.D Rathna.R
Sprint-2	Software	USN-2	creating device in the IBM watson IOT platform,workflow for IOT scenarios using Node-red	2	High	Selvanayagi.M Rathna.R Elapriya.E
Sprint-3	MIT App inventor	USN-3	Develop an application for the Smartfarmer project using MIT App inventor	2	High	selvanayagi.M
Sprint-3	Dashboard	USN-3	Design the Modules and test the app	2	High	Ashwini.D
Sprint-4	Web UI	USN-4	To make the user to interest with software	2	High	selvanayagi.M Elapriya.E Ashwini.D Rathna.R

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	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

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)

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