Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID10157
Project Name	Project – Smart Farmer-IOT based SmartFraming Application
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Simulation creation	USN-1	Connect Arduino and Sensors with python code	2	High	Mohan Raju Kalai Selvan
Sprint-2	Software	USN-2	Creating device in the IBM Watson IOT platform, workflow for IOT scenarios using Node-Red	1	High	Kanishram Kishore
Sprint-3	MIT App Inventor	USN-3	Develop an application for the Smart farmer project using MIT App Inventor	2	Low	Kishore Kanishram
Sprint-3	Dashboard	USN-3	Design the Modules and test the app	2	Medium	Kalai Selvan Mohan Raju
Sprint-4	Web UI	USN-4	To make the user to interact with software.	1	High	Mohan Raju Kalai Selvan

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 Oct 2022	20	29 Oct 2022
Sprint-2	20	9 Days	31 Oct 2022	09 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	06 Nov 2022	13 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	11 Nov 2022	17 Nov 2022	20	15 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)

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