PROJECT PLANNING PHASE

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

Date	13 November 2022
Team ID	PNT2022TMID29937
Project Name	Project - Smart farmer-IoT enabled Smart farming application.
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation:

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 Sensors and Arduino with python code	2	High	Mithulkiruthik.N
Sprint-2	Software	USN-2	IBM Watson IoT platform, workflow for IoT scenarios using Node-Red	2	High	Deepika.M.S
Sprint-3	MIT app inventor	USN-3	Develop an application for the Smart farmer project using MIT App Inventor	2	High	Harivignesh.s Mithulkiruthik.N

Sprint-3	Dashboard	USN-3	Design the mobile application using MIT	2	High	Venmathi.T Deepika.M.S Harivignesh.s Mithulkiruthik.N
Sprint-4	Web UI	USN-4	To make the user to interact with software.	2	High	Venmathi.T Deepika.M.S

Project Tracker, Velocity & Burndown Chart:

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	9 Days	28 Oct 2022	6 Oct 2022	20	29 Oct 2022
Sprint-2	20	11 Days	31 Oct 2022	11 Nov 2022		05 Oct 2022
Sprint-3	20	7 Days	07 Nov 2022	14 Nov 2022		12 Oct 2022
Sprint-4	20	8 Days	12 Nov 2022	20 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)

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