Sprint Delivery Plan

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

Date	5 November 2022
Team ID	PNT2022TMID49483
Project Name	Smart Farming
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	Software	USN-1	Sensors and wi-fi module with python code.	2	High	Lakshya, Dharshini, Boopathy, Sneha
Sprint-2	Software	USN-2	IBM Watson IoT platform, Workflows for IoT scenarios using Node-red	2	High	Lakshya, Dharshini, Boopathy, Sneha
Sprint-3	MIT app	USN-3	To develop an mobile application using MIT	2	High	Lakshya, Dharshini, Boopathy, Sneha
Sprint-4	Web UI	USN-4	To make the user to interact with software.	2	High	Lakshya, Dharshini, Boopathy, Sneha

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	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	5th NOV 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12th NOV 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14th 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)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.