

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

Date	22 October 2022
Team ID	PNT2022TMID23394
Project Name	Smart Farmer – IoT Enabled Smart FarmingApplication
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	Registration	USN-1	As a user, I can register for the application by entering my email or phone number, password, and confirming my password.	1	Medium	Sangeetha, Nikitha
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password.	2	High	Kaavya, Sivapriya
Sprint-2	Dashboard	USN-3	As a user I want to access My dashboard tab.	2	High	Sindhuja, Sivapriya, Sangeetha
Sprint-2	Control tab	USN-4	As a user I want to access my control tab.	2	High	Nikitha, Kaavya, Sindhuja
Sprint-3	Real time monitoring	USN-5	As a user I want to monitor the temperature, humidity and soil moisture.	2	High	Sangeetha, Sindhuja, Sivapriya
Sprint-3	Control tab	USN-6	As a user I want to control the motors.	2	High	Sindhuja, Sangeetha
Sprint-4	Testing	USN-7	Testing developed application and working model of the hardware.	2	High	Sangeetha, Sindhuja, Sivapriya, Nikitha, Kaavya

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

Story Points – 13 points

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	5 Days	25 Oct 2022	29 Oct 2022		30 Oct 2022
Sprint-2	20	8 Days	31 Oct 2022	07 Nov 2022		08 Nov 2022
Sprint-3	20	7 Days	09 Nov 2022	13 Nov 2022		15 Nov 2022
Sprint-4	20	6 Days	16 Nov 2022	17 Nov 2022		17 Nov 2022 – 18 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)

Total Sprint Points = 20

Total Sprint = 4

Average Velocity = $20/4 = 5$

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.

