

## Project Planning Phase Sprint Delivery Plan

Date	2 November 2022
Team ID	PNT2022TMID02873
Project Name	Smart farmer – IOT Enabled Smart Farming Application
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	IOT device	USN-1	As a user I want to install the IOT device in the farm	5	High	Antro Safin M Arun Kumar M
Sprint-1		USN-2	As a device want to detect the soil moisture of the farm	3	Medium	Anbu Selvan N
Sprint-1		USN-3	As a device want to detect the humidity of the farm	3	Medium	Akilan Bimby A
Sprint-1		USN-4	As a device want to detect the temperature of the farm	4	Medium	Arun Kumar M
Sprint-1		USN-5	As a device want to send the data to the cloud	5	High	Antro Safin M Arun Kumar M
Sprint-2	IBM cloud	USN-6	As a admin I want to create the Watson IOT platform	2	Low	Akilan Bimby A
Sprint-2		USN-7	As a admin I want to receive the data from the device	4	Medium	Anbu Selvan N
Sprint-2		USN-8	As a admin I want to send data to the Node-red	7	High	Akilan Bimby A Arun Kumar M
Sprint-2		USN-9	As a admin I want to send the data from Node-red to web UI and MIT app	7	High	Anbu Selvan N Antro Safin M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Web UI	USN-10	As a admin I want to create a attractive design to user	14	High	Arun Kumar M Anbu Selvan N Antro Safin M Akilan Bimby A
Sprint-3		USN-11	As a user I want to see the detected value in web UI	6	Low	Anbu Selvan N
Sprint-4	MIT app	USN-12	As a admin I want to create a attractive design to user	14	High	Arun Kumar M Anbu Selvan N Antro Safin M Akilan Bimby A
Sprint-4		USN-13	As a user I want to see the detected value in MIT app	6	Low	Antro Safin M

#### 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	3 Days	02 Nov 2022	04 Nov 2022	20	04 Nov 2022
Sprint-2	20	3 Days	05 Nov 2022	07 Nov 2022	20	07 Nov 2022
Sprint-3	20	2 Days	08 Nov 2022	09 Nov 2022	20	10 Nov 2022
Sprint-4	20	2 Days	10 Nov 2022	11 Nov 2022	20	12 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)

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