

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID23571
Project Name	Smart Farmer Application

#### 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	Simulation Creation	USN-1	Connect Sensors and Arduino with python code	2	High	2
Sprint-2	Software	USN-2	Creating device in the IBM Watson IoT platform, workflow for IoT scenarios	2	High	2
Sprint-3	MIT App Inventor	USN-3	Develop an application for the Smart farmer project using MITApp Inventor	2	High	2
Sprint-3	Dashboard	USN-4	Design the Modules and test the app	2	High	2
Sprint-3		USN-5	User can see the parameters that are monitored	2	High	2
Sprint-4	Web UI	USN-6	To make sure that the user can interact with the software	2	High	3
Sprint-4	Register	USN-7	User can register for the application by entering my email, password, and confirming my password.	2	High	2
Sprint-4		USN-2	User can register for the application through Gmail	2	Medium	2
Sprint-4	Login	USN-3	User can log into the application by entering email & password	1	High	2

### 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	12	6 Days	28 Oct 2022	06 Nov 2022	20	29 Oct 2022
Sprint-2	6	6 Days	07 Nov 2022	09 Nov 2022	20	05 Nov 2022
Sprint-3	6	6 Days	10 Nov 2022	13 Nov 2022	20	12 NOV 2022
Sprint-4	6	6 Days	14 Nov 2022	19 Nov 2022	20	19 NOV 2022

#### Velocity:

AV for sprint 1= Sprint Duration/Velocity =12/6=2

AV for sprint 2= Sprint Duration/Velocity=6/6=1

AV for Sprint 3=Sprint Duration/Velocity=6/6=1

AV for Sprint 4=Sprint Duration/Velocity=6/6=1

#### Burndown Chart:

