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

Date	18 October 2022
Team ID	PNT2022TMID23510
Project Name	Project – Smart Farmers – IOT Enabled Smart Farming Application
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, password, and confirming my password.	2	High	Parveen Rehana Nandhini V Swetha P Thanya V
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Parveen Rehana Nandhini V Swetha P Thanya V

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Parveen Rehana Nandhini V Swetha P Thanya V
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	1	High	Parveen Rehana Nandhini V Swetha P Thanya V
Sprint - 1	Model setup	USN-5	As a user, I can setup the model in the field with help of guide	2	High	Parveen Rehana Nandhini V Swetha P Thanya V
Sprint - 1		USN-6	As a user, I setup the model through with help of instructions given in manual	2	Low	Parveen Rehana Nandhini V Swetha P Thanya V
Sprint - 2	Internet Access	USN-7	As a user, I buy internet access from the provider	1	High	Parveen Rehana Nandhini V Swetha P Thanya V

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 2	Power supply	USN-8	As a user, I ensure the proper power supply for the setup	2	High	Parveen Rehana Nandhini V Swetha P Thanya V
Sprint -2	Functioning of application	USN-9	As a user, I check the errors in application	2	High	Parveen Rehana Nandhini V Swetha P Thanya V
Sprint -2	Monitoring of Application	USN-10	As a user, I check well-functioning of the application	2	High	Parveen Rehana Nandhini V Swetha P Thanya V

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	10	31Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	11Nov2022

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-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	18Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	30 Nov2022

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)

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

BURN DOWN CHART: