Project Planning Phase
Sprint Delivery Plan

Team ID	PNT2022TMID07443
Project Name	Smart Farmer-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 (Farmer Mobile User)	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	B.Dhivyabharathi (Leader)
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	S.Madhureebha (Member 1)
Sprint-2	User Interface	USN-3	As a user, I can register for the application through Facebook	3	Low	S.Aishwarya (Member 2)
Sprint-1	Data Visualization	USN-4	As a user, I can register for the application through Gmail	2	Medium	M.Kamini (Member 3)
Sprint-3	Registration (Farmer -Web User)	USN-1	As a user, I can log into the application by entering email & password	3	High	B.Dhivyabharathi (Leader)
Sprint-2	Login	USN-2	As a registered user, I need to easily login log into my registered account via the web page in minimum time	3	High	S.Madhureebha (Member 1)
Sprint-4	Web UI	USN-3	As a user, I need to have a friendly user interface to easily view and access the resources	3	Medium	S.Aishwarya (Member 2)
Sprint-1	Registration (Chemical Manufacturer - Web user)	USN-1	As a new user, I want to first register using my organization email and create a password for the account.	2	High	M.Kamini (Member 3)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 4	Login	USN-2	As a registered user, I need to easily log in using the registered account via the web page.	3	High	B.Dhivyabharathi (Leader)
Sprint – 3	Web UI	USN-3	As a user, I need to have a user friendly interface to easily view and access the resources.	3	Medium	S.Madhureebha (Member 1)
Sprint – 1	Registration (Chemical Manufacturer - Mobile User)	USN-1	As a user, I want to first register using my email and create a password for the account.	1	High	S.Aishwarya (Member 2)
Sprint – 1	Login	USN-2	As a registered user, I need to easily log in to the application	2	Low	M.Kamini (Member 3)

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	30 OCT 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	6 NOV 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	7 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$
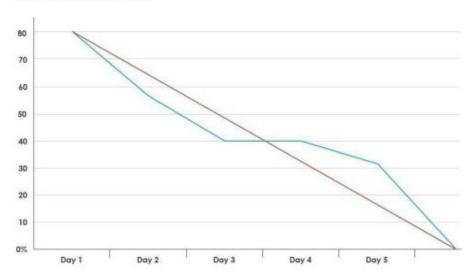
AV for sprint 1= Sprint Duration /velocity =12/6=2

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:

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