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

Date	18 October 2022
Team ID	PNT2022TMID40641
Project Name	Project -IoT Enabled Smart farming Applications
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 Gmail, email then you can received the OTP or Verification Code.	2	High	P.Poovarasan, V.Poovarasan, M.Vignesh, M.PraveenKumar
Sprint-1		USN-2	As a user, I will receive confirmation Gmail or email once I have registered for the application.	1	High	P.Poovarasan, V.Poovarasan, M.Vignesh, M.Praveen Kumar
Sprint-2		USN-3	As a user, I can register for the application through Gmail and phone number.	2	Low	P.Poovarasan, V.Poovarasan, M.Vignesh, M.PraveenKumar
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	P.Poovarasan, V.Poovarasan, M.Vignesh, M.PraveenKumar
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	P.Poovarasan, V.Poovarasan, M.Vignesh, M.Praveen Kumar

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Dashboard	USN-6	Once confirmation message received afterlogin the system and Check Credentials Once check the credentials after go to the Manage modules.	2	High	P.Poovarasan, V.Poovarasan, M.Vignesh, M.PraveenKumar
		USN-7	In this manage modules described the below functions like Manage System Admins Manage Roles of User Manage User permission and etc..	2	Medium	P.Poovarasan, V.Poovarasan, M.Vignesh, M.Praveen Kumar
	Logout	USN-8	Then check Temperature, humidity and moisture after then logout or exist the application.	1	Medium	P.Poovarasan, V.Poovarasan, M.Vignesh, M.PraveenKumar

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	35	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	45	05 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	50	07 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)

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

Burndown Chart: