

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

Date	04 November 2022
Team ID	PNT2022TMID14879
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	Gayathri V Mahalakshmi I Kalpitha E Harshitha G
Sprint-1		USN-2	As a user, I will receive confirmation Gmail or email once I have registered for the application.	1	High	Gayathri V Mahalakshmi I Kalpitha E Harshitha G
Sprint-2		USN-3	As a user, I can register for the application through Gmail and phone number.	2	Low	Gayathri V Mahalakshmi I Kalpitha E Harshitha G
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Gayathri V Mahalakshmi I Kalpitha E Harshitha G
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Gayathri V Mahalakshmi I Kalpitha E Harshitha G

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Dashboard	USN-6	Once confirmation message received after login the system and Check Credentials Once check the credentials after go to the Manage modules.	2	High	Gayathri V Mahalakshmi I Kalpitha E Harshitha G
		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	Gayathri V Mahalakshmi I Kalpitha E Harshitha G
	Logout	USN-8	Then check Temperature, humidity and moisture after then logout or exist the application.	1	Medium	Gayathri V Mahalakshmi I Kalpitha E Harshitha G

**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	4 Days	06 Nov 2022	10 Nov 2022	20	10 Nov 2022
Sprint-2	20	4 Days	11 Nov 2022	15 Nov 2022	35	15 Nov 2022
Sprint-3	20	2 Days	16 Nov 2022	18 Nov 2022	45	18 Nov 2022
Sprint-4	20	4 Days	18 Nov 2022	21 Nov 2022	50	21 Nov 2022

**Velocity:**

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

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)