Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)
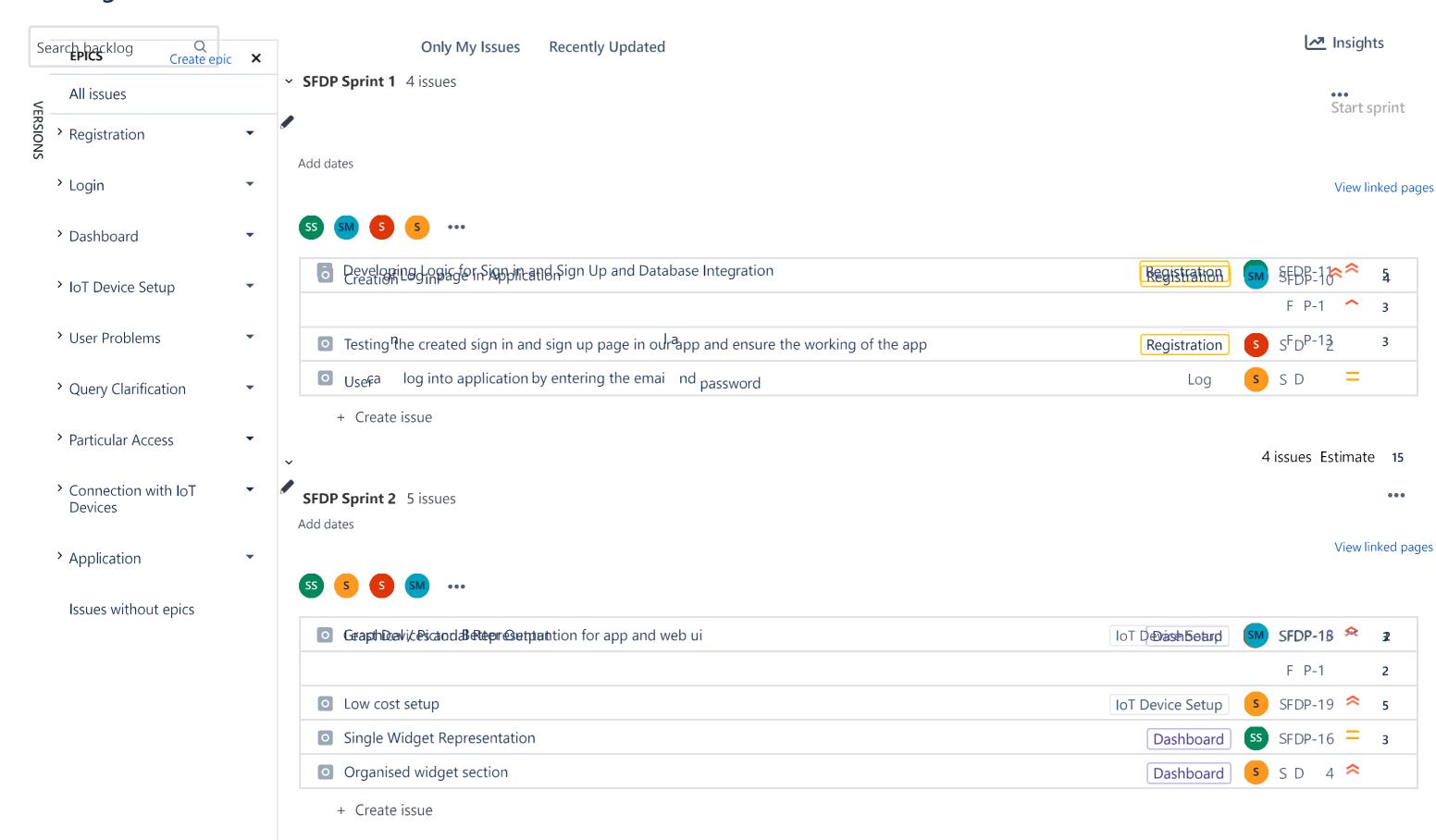
Date	22 October 2022
Team ID	PNT2022TMID18947
Project Name	Smart Farmer – IoT Enabled Smart FarmingApplication
Maximum Marks	8 Marks

Projects / Smart Farmer Development Phase / SFDP board

Backlog

≪ Share   ···

Search backlog   🔍

EPICS   Create epic   ✕

Only My Issues   Recently Updated   ⬑ Insights

All issues

VERSIONS

> Registration   ∨

> Login   ∨

> Dashboard   ∨

> IoT Device Setup   ∨

> User Problems   ∨

> Query Clarification   ∨

> Particular Access   ∨

> Connection with IoT Devices   ∨

> Application   ∨

Issues without epics

∨ **SFDP Sprint 1** 4 issues

···
Start sprint

Add dates

View linked pages

SS SM S S ···

	Developing Logic for Sign in and Sign Up and Database Integration	Registration	SM	SFDP-11	≪	5
	Creation Login Page in Application	Registration		SFDP-10	≫	4
			F P-1		∧	3
	Testing the created sign in and sign up page in our app and ensure the working of the app	Registration	S	SFDP-13		3
	User can log into application by entering the email and password	Log	S	S D	=	

\+ Create issue

4 issues Estimate 15

∨ **SFDP Sprint 2** 5 issues   ···

Add dates

View linked pages

SS S S SM ···

	Graph Device/Pi and Better Representation for app and web ui	IoT Device Dashboard	SM	SFDP-18	≫	2
			F P-1			2
	Low cost setup	IoT Device Setup	S	SFDP-19	≫	5
	Single Widget Representation	Dashboard	SS	SFDP-16	=	3
	Organised widget section	Dashboard	S	S D	4	≫

\+ Create issue

5 issues Estimate 15

∨ **SFDP Sprint 3** 5 issues   •••

✎ Add dates

View linked pages

SS S SM S •••

⊙	Multiple sensors in setup		IoT Device Setup	SS	SFDP-20	⌃⌃	2
⊙	Manual guide creation for application		User Problems	S	SFDP-21	═	3
⊙	Solution to the Queries		Query Clarification	SM	SFDP-24	⌃	4
⊙	Query form in the application		User Problems	SS	SFDP-23	⌃	2
⊙	Provide commands through application		Application	S	SFDP-29	⌃⌃	4

＋ Create issue

5 issues Estimate 15

∨ **SFDP Sprint 4** 4 issues   •••

✎ Add dates

View linked pages

SS S SM S •••

⊙	Only Authorised person access		Particular Access	SM	SFDP-27	⌃	4
⊙	Testing the application in multiple android platform and ensures the working		User Problems	S	SFDP-22	⌃	3
⊙	Testing the hardware setup and ensure the working		Connection with IoT De...	S	SFDP-28	═	4
⊙	Agricultura Notes		Application	SS	SFDP-30	═	4

＋ Create issue

4 issues Estimate 15

Backlog 0 issues   Create sprint •••

Your backlog is empty.

＋ Create issue

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	Creating of Login page in application	4	Highest	Kokila
Sprint-1	Registration	USN-2	Developing logic for sign in and sign up and Database Integration	5	Highest	Madhavan
Sprint-1	Registration	USN-3	Testing the created sign in and sign up page in our app and Database Integration	3	High	Krishna Kumar
Sprint-1	Login	USN-4	User can login into application by entering email and password	3	Medium	Kokila
Sprint-2	IoT Device Setup	USN-5	Least Device and Better Output	2	Highest	Madhavarajan
Sprint-2	Dashboard	USN-6	Graphical / Pictorial Representation for app and web ui	3	Low	Madhavan
Sprint-2	IoT Device Setup	USN-7	Low cost setup	2	Highest	Krishna kumar
Sprint-2	Dashboard	USN-8	Single widget Representation	5	Medium	Kokila
Sprint-2	Dashboard	USN-9	Organised widget section	3	Highest	Madhavan
Sprint-3	IoT Device Setup	USN-10	Multiple sensors in setup	2	Highest	Madhavarajan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	User Problems	USN-11	Manual Guide creation for application	3	Medium	Kokila
Sprint-3	Query Clarification	USN-12	Solution to the queries	4	High	Krishna kumar
Sprint-3	User Problems	USN-13	Query form in the application	2	High	Madhavan
Sprint-3	Application	USN-14	Provide Commands through application	4	Highest	Kokila
Sprint-4	Particular Access	USN-15	Only authorised person access	4	High	Krishna Kumar
S	User Problems	USN-16	Testing the application in multiple platform and ensure the working	3	High	Madhavarajan
Sprint-4	Connection with IoT devices	USN-17	Testing the hardware setup and ensure the working	4	Medium	Kokila
Sprint-4	Application	USN-18	Agricultural Notes	4	Medium	Madhavan

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	15	5 Days	26 Oct 2022	30 Oct 2022		30 Oct 2022
Sprint-2	15	7 Days	31 Oct 2022	06 Nov 2022		07 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022		13 Nov 2022
Sprint-4	15	6 Days	13 Nov 2022	18 Nov 2022		18 Nov 2022 – 19 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)

Total Story Points = 60

Total Sprint = 4

Average velocity = 60/4 = 15

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.