

Project Planning Phase

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

Team ID	PNT2022TMID14662
Project Name	SmartFarmer – IoT Enabled Smart Farming Application
Maximum Marks	8 Marks
S MEGHANA	111619106081
M V JEEVANA	111619106052
M CHANDINI	111619106080
R JAYASREE	111619106108

Projects / Smart Farmer Development Phase / SFDP board

Backlog

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VERSIONS

EPICS

Create epic



All issues

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

Add dates



Creation of Login page in Application

Registration



SFDP-10



4

Developing Logic for Sign in and Sign Up and Database Integration

Registration



SFDP-11



5

Testing the created sign in and sign up page in our app and ensure the working of the app

Registration



SFDP-12



3

User can log into application by entering the email and password

Login



SFDP-13



3

+ Create issue

4 issues Estimate 15

SFDP Sprint 2 5 issues

Add dates



Least Devices and Better Output

IoT Device Setup



SFDP-18



2

Graphical / Pictorial Representation for app and web ui

Dashboard



SFDP-15



3

Low cost setup

IoT Device Setup



SFDP-19



2

Single Widget Representation

Dashboard



SFDP-16



5

Organised widget section

Dashboard



SFDP-14



3


+ Create issue

5 issues Estimate 15

View linked pages

View linked pages

...

 Add dates



- + Create issue

5 issues Estimate 15

 Add dates

• •



- + Create issue

4 issues Estimate 15

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	S Meghana
Sprint-1	Registration	USN-2	Developing logic for sign in and sign up and Database Integration	5	Highest	M V Jeevana
Sprint-1	Registration	USN-3	Testing the created sign in and sign up page in our app and Database Integration	3	High	M Chandhini
Sprint-1	Login	USN-4	User can login into application by entering email and password	3	Medium	R Jayasree
Sprint-2	IoT Device Setup	USN-5	Least Device and Better Output	2	Highest	M V Jeevana
Sprint-2	Dashboard	USN-6	Graphical / Pictorial Representation for app and web ui	3	Low	R Jayasree
Sprint-2	IoT Device Setup	USN-7	Low cost setup	2	Highest	S Meghana
Sprint-2	Dashboard	USN-8	Single widget Representation	5	Medium	M Chandhini
Sprint-2	Dashboard	USN-9	Organised widget section	3	Highest	M V Jeevana

Sprint-3	IoT Device Setup	USN-10	Multiple sensors in setup	2	Highest	R Jayasree
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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	M V Jeevana
Sprint-3	Query Clarification	USN-12	Solution to the queries	4	High	S Meghana
Sprint-3	User Problems	USN-13	Query form in the application	2	High	R Jayasree
Sprint-3	Application	USN-14	Provide Commands through application	4	Highest	M Chandhini
Sprint-4	Particular Access	USN-15	Only authorised person access	4	High	S Meghana
S	User Problems	USN-16	Testing the application in multiple platform and ensure the working	3	High	M Chandhini
Sprint-4	Connection with IoT devices	USN-17	Testing the hardware setup and ensure the working	4	Medium	M V Jeevana
Sprint-4	Application	USN-18	Agricultural Notes	4	Medium	R Jayasree

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	11 Oct 2022	01 Nov 2022		30 Oct 2022
Sprint-2	15	8 Days	20 Oct 2022	08 Nov 2022		08 Nov 2022
Sprint-3	15	6 Days	27 Oct 2022	11 Nov 2022		09 Nov 2022
Sprint-4	15	6 Days	03 Nov 2022	17 Nov 2022		17 Nov 2022 – 18 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 Sprint 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.

