Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID28579
Project Name	SmartFarmer – IoT Enabled Smart Farming Application
Maximum Marks	8 Marks

Backlog

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Only My Issues Recently Updated

Insights

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

Start sprint

Add dates

View linked pages

Creation of Login page in Application	Registration	SM	SFDP-10	4
Developing Logic for Sign in and Sign Up and Database Integration	Registration	SS	SFDP-11	5
Testing the created sign in and sign up page in our app and ensure the working of the app	Registration	S	SFDP-12	3
User can log into application by entering the email and password	Login	S	SFDP-13	3

+ Create issue

4 issues Estimate 15

SFDP Sprint 2 5 issues

Add dates

View linked pages

Least Devices and Better Output	IoT Device Setup	SM	SFDP-18	2
Graphical / Pictorial Representantion for app and web ui	Dashboard	S	SFDP-15	3
Low cost setup	IoT Device Setup	S	SFDP-19	2
Single Widget Representation	Dashboard	SS	SFDP-16	5
Organised widget section	Dashboard	S	SFDP-14	3

+ Create issue

5 issues Estimate 15

SFDP Sprint 3 5 issues

Add dates

View linked pages

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

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

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	Shreedharen
Sprint-3	Query Clarification	USN-12	Solution to the queries	4	High	Sreedhar
Sprint-3	User Problems	USN-13	Query form in the application	2	High	Selvaraj
Sprint-3	Application	USN-14	Provide Commands through application	4	Highest	Shanmugam
Sprint-4	Particular Access	USN-15	Only authorised person access	4	High	Sreedhar
S	User Problems	USN-16	Testing the application in multiple platform and ensure the working	3	High	Shanmugam
Sprint-4	Connection with IoT devices	USN-17	Testing the hardware setup and ensure the working	4	Medium	Shreedharen
Sprint-4	Application	USN-18	Agricultural Notes	4	Medium	Selvaraj

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	8 Days	31 Oct 2022	07 Nov 2022		08 Nov 2022
Sprint-3	15	6 Days	09 Nov 2022	13 Nov 2022		14 Nov 2022
Sprint-4	15	6 Days	15 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.