

Project Planning Phase
Sprint Delivery Plan

Date	24 October 2022
Project Name	Smart Farmer - IoT Enabled Smart Farming Application
Maximum marks	8 Marks
TEAM ID	PNT2022TMID51073

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story /Task	Story Points	Priority	Team Member
Sprint-1	Registration (Farmer Mobile User)	UNS - 1	As a user, I can register to the application by simply entering my email, password, and confirming my password.	2	High	Harini U (Team Leader)
Sprint-1	Login	UNS - 2	As a user, I will receive confirmation email once I have done the registration process.	1	High	Abinaya S (Team Member 1)

Sprint-2	User Interface	UNS - 3	As a user, I can register for the application through Facebook, if it is necessary	3	Low	Abirami V (Team member 2)
Sprint-1	Data Visualization	UNS - 4	As a user, I can register for the application through GMAIL	2	Medium	Divya shree R (Team Member 3)
Sprint-3	Registration (Farmer -Web User)	USN - 5	As a user, I can log into the application by entering email and password	3	High	Harini U (Team Leader)
Sprint – 2	Login	USN - 6	As a registered user, I need to easily login into my registered account easily which is an easy process	3	High	Abinaya S (Team Member 1)
Sprint – 4	Web UI	USN - 7	As a user, I need to have a friendly user interface to easily view and access the resources	3	Medium	Abirami V (Team member 2)
Sprint – 2	Dashboard	USN - 8	As a user, I must watch my metrics displayed right in the front page of the application	2	High	Divya shree R (Team Member 3)
Sprint - 2		USN - 9	As a customer care executive, I must provide with the text box to get the user information using unique no. for every individual user	1	Medium	Harini U (Team Leader)
Sprint - 3	Hardware	USN - 10	Configuring Sensors Which will help to find the parameters like temperature, moisture etc.,	2	High	Abinaya S (Team Member 1)
Sprint - 3		USN - 11	Connecting the Hardware to the cloud	2	High	Abirami V (Team member 2)
Sprint - 4	MIT APP INVENTOR & Web UI	USN - 12	Producing app and web UI that will help to analyze agricultural parameters.	2	Medium	Divya shree R (Team Member 3)
Sprint - 4	Testing and bugs fixing	USN - 13	Testing which is an important one through which we can resolve the bugs that are present.	1	Low	Harini U (Team Leader)

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	12	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	6	6 Days	31 Oct 2022	05 Nov 2022	20	30 OCT 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	20	6 NOV 2022
Sprint-4	6	6 Days	14 Nov 2022	19 Nov 2022	20	7 NOV 2022

Velocity:

AV for sprint 1 = Sprint Duration / velocity = $12/6=2$
AV for sprint 2 = Sprint Duration / Velocity = $6/6=1$ AV
for Sprint 3 = Sprint Duration / Velocity = $6/6=1$ AV for
Sprint 4 = Sprint Duration / Velocity = $6/6=1$

Burndown Chart:

