

# Smart Farmer-IOT Enabled Smart Farming Application

IBM NALAIYATHIRAN

## Project Planning Phase Sprint Delivery Plan

<b>TITLE</b>	Smart Farmer-IOT Enabled Smart Farming Application
<b>DOMAIN NAME</b>	INTERNET OF THINGS
<b>TEAM ID</b>	PNT2022TMID44735
<b>LEADER NAME</b>	SRIMATHI K
<b>TEAM MEMBER NAME</b>	SOUNDARYA M MADHAN D NIVETHA P
<b>MENTOR NAME</b>	AYISHA S

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

<b>Sprint</b>	<b>Functional Requirement(Epic)</b>	<b>User Story Number</b>	<b>User Story /Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Member</b>
<b>Sprint-1</b>	Registration (Farmer Mobile User)	UNS-1	As a user, I can registerfor the application by entering my email, password, and confirming my password.	2	High	SRIMATHI K (Leader)
<b>Sprint-1</b>	Login	UNS-2	As a user, I will receiveconfirmation email once I have registered for the application	1	High	SOUNDARYA M (Member 1)

<b>Sprint-2</b>	User Interface	UNS-3	As a user, I can registerfor the application through Facebook	3	Low	MADHAN D (Member 2)
<b>Sprint-1</b>	Data Visualizatio n	UNS-4	As a user, I can register for the application through GMAIL	2	Medium	NIVETHA P (Member 3)
<b>Sprint-3</b>	Registration (Farmer -WebUser)	USN - 1	As a user, I can log intothe application by entering email and password	3	High	SRIMATHI K (Leader)
<b>Sprint - 2</b>	Login	USN - 2	As a registered user, I need to easily login loginto my registered account via the web page in minimum time	3	High	SOUNDARYA M (Member 1)
<b>Sprint - 4</b>	Web UI	USN - 3	As a user, I need to have a friendly user interface to easily view and access the resources	3	Medium	MADHAN D (Member 2)

<b>Sprint - 1</b>	Registration (Chemical Manufacturer -Web user)	USN - 1	As a new user, I want to first register using my organization email and create a password for the account.	2	High	NIVETHA P (Member 3)
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<b>Sprint - 4</b>	Login	USN - 2	As a registered user, I need to easily log in using the registered account via the web page.	3	High	KARTHICKRAJA M (Leader)
<b>Sprint - 3</b>	Web UI	USN - 3	As a user, I need to have a user friendly interface to easily view and access the resources.	3	Medium	KAVIN M (Member 1)
<b>Sprint - 1</b>	Registration (Chemical Manufacturer - Mobile User)	USN - 1	As a user, I want to first register using my email and create a password for the account.	1	High	KAVIYARASAN R (Member 2)
<b>Sprint - 1</b>	Login	USN - 2	As a registered user, I need to easily log in to the application.	2	Low	LOGANATHAN K (Member 3)

### Project Tracker, Velocity & Burndown Chart: (4 Marks)

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
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
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## 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:

