

## **Project Planning Phase**

### **Project Planning Template (Product Backlog, Sprint Planning, Stories, Story Point)**

<b>Date</b>	<b>18 October 2022</b>
<b>Team ID</b>	<b>PNT2022TMID27433</b>
<b>Project Name</b>	<b>Smart Farmer - IoT Enabled Smart Farming Application</b>
<b>Maximum Marks</b>	<b>8 Marks</b>

### **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 register for the application by entering my email, password, and confirming my password.	2	High	Dinesh Kumar A (Member 2)
<b>Sprint-1</b>	Login	UNS-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Dinesh Kumar A (Member 2)

<b>Sprint-2</b>	User Interface	UNS-3	As a user, I can register for the application through Facebook	2	Low	Dinesh Kumar A (Member 2)
<b>Sprint-1</b>	Data Visualization	UNS-4	As a user, I can register for the application through GMAIL	2	Medium	Dinesh Kumar A (Member 2)
<b>Sprint-3</b>	Registration (Farmer -Web User)	USN - 1	As a user, I can log into the application by entering email and password	1	High	Dinesh Kumar A (Member 2)
<b>Sprint - 1</b>	Login	USN - 2	As a registered user, I need to easily login log into my registered account via the web page in minimum time	1	High	Al Ameen A A (Member 3)
<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	1	Medium	Al Ameen A A (Member 3)
<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	Al Ameen A A (Member 3)

<b>Sprint - 1</b>	Login	USN - 2	As a registered user, I need to easily log in using the registered account via the web page.	1	High	Al Ameen A A (Member 3)
<b>Sprint - 3</b>	Web UI	USN - 3	As a user, I need to have a userfriendly interface to easily view and access the resources.	2	Medium	Surendharan E B (Leader)
<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.	2	High	Surendharan E B (Leader)
<b>Sprint - 1</b>	Login	USN - 2	As a registered user, I need to easily log in to the application.	2	Low	Surendharan E B (Leader)
<b>Sprint - 2</b>	Data Visualization	USN - 3	The data from the sensors transmitted through Arduino needs to be viewed in the mobile application remotely from anywhere	2	Medium	Surendharan E B (Leader)

<b>Sprint - 3</b>	User Interface	USN - 4	As a user, I want an attractive user interface to view the parameters remotely through mobile	1	Medium	Vigneshwar J (Member 1)
<b>Sprint - 1</b>	Login (Administrator)	USN - 1	As an admin, I need to log in to the account and should view the status of all the installed devices.	2	Medium	Vigneshwar J (Member 1)
<b>Sprint - 4</b>	Upgrade	USN - 2	As an admin, I need to update new upgrades and services up to the date.	2	High	Vigneshwar J (Member 1)
<b>Sprint - 4</b>	Support	USN - 3	As an admin, I need to address customer queries and take necessary measures.	1	High	Vigneshwar J (Member 1)

**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 Point Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
<b>Sprint-1</b>	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
<b>Sprint-2</b>	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
<b>Sprint-3</b>	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
<b>Sprint-4</b>	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 Nov 2022