# Project Planning Phase

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

| Date | 18 October 2022 |
|---|---|
| Team ID | PNT2022TMID01816 |
| Project Name | Smart Farmer - IoT Enabled Smart Farming Application |
| Maximum Marks | 8 Marks |

### 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 for the application by entering my email, password, and confirming my password. | 2 | High | Raahul Prasath P(Member 2) |
| **Sprint-1** | Login | UNS-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Raahul Prasath P(Member 2) |

| Sprint-2 | User Interface | UNS-3 | As a user, I can register for the application through Facebook | 2 | Low | Raahul Prasath P(Member 2) |
|---|---|---|---|---|---|---|
| Sprint-1 | Data Visualization | UNS-4 | As a user, I can register for the application through GMAIL | 2 | Medium | Raahul Prasath P(Member 2) |
| Sprint-3 | Registration (Farmer -Web User) | USN - 1 | As a user, I can log into the application by entering email and password | 1 | High | Mounaguru P (Member 1) |
| Sprint - 1 | 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 | Santhosh T (Member 3) |
| Sprint - 4 | Web UI | USN - 3 | As a user, I need to have a friendly user interface to easily view and access the resources | 1 | Medium | Santhosh T (Member 3) |
| Sprint - 1 | 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 | Santhosh T (Member 3) |

| Sprint - 1 | Login | USN - 2 | As a registered user, I need to easily log in using the registered account via the web page. | 1 | High | Santhosh T (Member 3) |
|---|---|---|---|---|---|---|
| Sprint - 3 | Web UI | USN - 3 | As a user, I need to have a userfriendly interface to easily view and access the resources. | 2 | Medium | Tharun K T (Leader) |
| Sprint - 1 | 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 | Tharun K T (Leader) |
| Sprint - 1 | Login | USN - 2 | As a registered user, I need to easily log in to the application. | 2 | Low | Tharun K T (Leader) |
| Sprint - 2 | 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 | Tharun K T (Leader) |

| Sprint | | | | | | |
|---|---|---|---|---|---|---|
| **Sprint - 3** | User Interface | USN - 4 | As a user, I want an attractive user interface to view the parameters remotely through mobile | 1 | Medium | Mounaguru P (Member 1) |
| **Sprint - 1** | 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 | Mounaguru P (Member 1) |
| **Sprint - 4** | Upgrade | USN - 2 | As an admin, I need to update new upgrades and services up to the date. | 2 | High | Mounaguru P (Member 1) |
| **Sprint - 4** | Support | USN - 3 | As an admin, I need to address customer queries and take necessary measures. | 1 | High | Mounaguru P (Member 1) |

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

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Point Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|--------|-------------------|----------|-------------------|---------------------------|------------------------------------------------|------------------------------|
| **Sprint-1** | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| **Sprint-2** | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| **Sprint-3** | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 07 Nov 2022 |
| **Sprint-4** | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 14 Nov 2022 |