

Project Planning Phase
Sprint Delivery Plan

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| Date | 24 October 2022 |
| Project Name | Smart Farmer - IoT Enabled Smart Farming Application |
| Maximum marks | 8 Marks |
| TEAM ID | PNT2022TMID06930 |

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) |

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|------------|---------------------------------|----------|---|---|--------|----------------------------------|
| 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 (ason 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:

