



MAHENDRA ENGINEERING COLLEGE

Department of Electronic Communication Engineering

Smart Farmer-IOT Enabled Smart Farming Application

IBM NALAIYATHIRAN

Project Planning Phase Sprint Delivery Plan

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|-------------------------|---|
| TITLE | Smart Farmer-IOT Enabled Smart Farming Application |
| DOMAIN NAME | INTERNET OF THINGS |
| TEAM ID | PNT2022TMID16939 |
| LEADER NAME | DIVYADHARSHINI B |
| TEAM MEMBER NAME | JAYASHREE J KANIMOZHI C KOWSIKA R |
| MENTOR NAME | SWEETLINE SONIA M |

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 | DIVYADHARSHINI B (Leader) |
| Sprint-1 | Login | UNS-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | JAYASHREE J (Member 1) |

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|-------------------|--|---------|--|---|--------|------------------------------|
| Sprint-2 | User Interface | UNS-3 | As a user, I can register for the application through Facebook | 3 | Low | KANIMOZHI C (Member 2) |
| Sprint-1 | Data Visualization | UNS-4 | As a user, I can register for the application through GMAIL | 2 | Medium | KOWSIKA R (Member 3) |
| Sprint-3 | Registration (Farmer -Web User) | USN - 1 | As a user, I can log into the application by entering email and password | 3 | High | DIVYADHARSHINI B (Leader) |
| Sprint - 2 | Login | USN - 2 | As a registered user, I need to easily login log into my registered account via the web page in minimum time | 3 | High | JAYASHREE J (Member 1) |
| Sprint - 4 | Web UI | USN - 3 | As a user, I need to have a friendly user interface to easily view and access the resources | 3 | Medium | KANIMOZHI C (Member 2) |
| 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 | KOWSIKA R (Member 3) |

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|-------------------|---|---------|--|---|--------|------------------------------|
| Sprint - 4 | Login | USN - 2 | As a registered user, I need to easily log in using the registered account via the web page. | 3 | High | DIVYADHARSHINI B (Leader) |
| Sprint - 3 | Web UI | USN - 3 | As a user, I need to have a user friendly interface to easily view and access the resources. | 3 | Medium | JAYASHREE J (Member 1) |
| 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. | 1 | High | KANIMOZHI C (Member 2) |
| Sprint - 1 | Login | USN - 2 | As a registered user, I need to easily log in to the application. | 2 | Low | KOWSIKA R (Member 3) |

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:

