**Project Planning Phase**

**Sprint Delivery Plan**

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| Date | 04 November 2022 |
| Team ID | PNT2022TMID27179 |
| Project Name | Smart farmer- IoT based smart farming application |
| Maximum Marks | 8 Marks |
| Submitted By | Rajarajan L, Pooja k |

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

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| 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 | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |
| Sprint-1 | Login | UNS-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |
| Sprint-1 | Data Visualization | UNS-4 | As a user, I can register for the application through GMAIL | 2 | Medium | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |
| Sprint-1 | Registration (Chemical Manufacturer - Web user) | UNS-1 | As a new user, I want to first register using my organization email and create a password for the account. | 2 | High | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |
| Sprint-1 | Registration (Chemical Manufacturer - Mobile User) | UNS-1 | As a user, I want to first register using my email and create a password for the account. | 3 | High | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |
| Sprint-1 | Login | UNS-2 | As a registered user, I need to easily log in to the application. | 2 | Low | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |

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| Sprint-2 | User Interface | USN – 3 | As a user, I can register for the application through Facebook | 3 | Low | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |
| 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 | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |

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| Sprint-3 | Registration (Farmer -Web User) | USN – 1 | As a user, I can log into the application by entering email and password | 3 | High | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |
| 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 | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |

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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. |  | High | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |
| 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 | Rajarajan L(Leader)  Pooja K  Hemalatha N  Austin Thatathil Alex |

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| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint end Date | Story Points  Completed (as on Planned End Date) | Sprint Release Date (Actual) |
| Sprint-1 | 12 | 6 Days | 21 Oct 2022 | 26 Oct 2022 | 20 | 26 Oct 2022 |
| Sprint-2 | 6 | 6 Days | 28 Oct 2022 | 2 Nov 2022 | 20 | 27 Oct 2022 |
| Sprint-3 | 6 | 6 Days | 4 Nov 2022 | 9 Nov 2022 | 20 | 3 Nov 2022 |
| Sprint-4 | 6 | 6 Days | 11 Nov 2022 | 16 Nov 2022 | 20 | 10 Nov 2022 |

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

*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

