**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** | **PNT2022TMID03145** |

**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 | PRATEEK RAM RA  (Leader) |
| **Sprint-1** | Login | UNS-2 | As a user, I will receive confirmation email once I have registered  for the application | 1 | High | PRASANNA N  (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 | PREMKUMAR  (Member 2) |
| **Sprint-1** | Data Visualization | UNS-4 | As a user, I can register  for the application through GMAIL | 2 | Medium | PRAVIN KUMAR P  (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 | PRATEEK RAM RA  (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 | PRASANNA N  (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 | PREM KUMAR B  (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 | PRAVIN KUMAR P  (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 | PRATEEK RAM RA  (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 | PRASANNA N  (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 | PREM KUMAR B  (Member 2) |
| **Sprint - 1** | Login | USN - 2 | As a registered user, I  need to easily log in to the application. | 2 | Low | PRAVIN KUMAR P  (Member 3) |

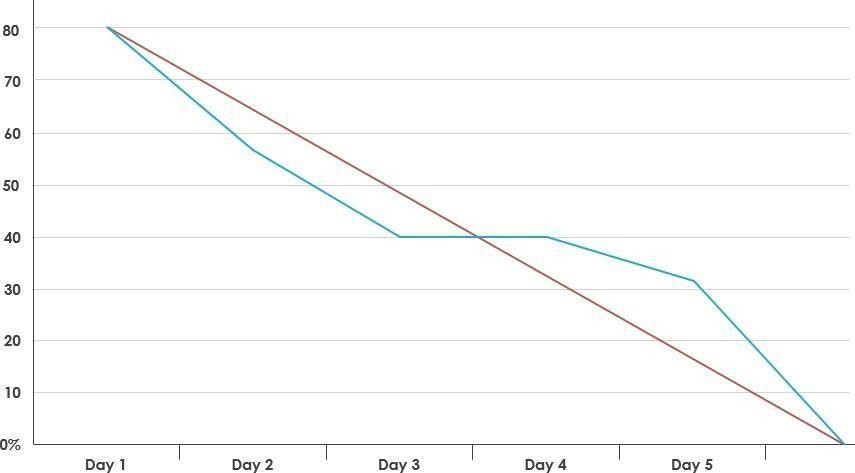
**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story**  **Points** | **Durati on** | **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:**



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