Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

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| --- | --- |
| Date | 05 November 2022 |
| Team ID | PNT2022TMID07540 |
| Project Name | Project – Smart Farmer- IoT based Smart Farming Application |
| Maximum Marks | 8 Marks |

# 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 Members** |
| Sprint-1 | Simulation  creation | USN-1 | Connect Sensors and Arduino with python code | 2 | High | Nivetha.S  Fathima.J |
| Sprint-2 | Software | USN-2 | Creating device in the IBM Watson IoT  platform, workflow for IoT scenarios using Node-Red | 2 | High | Bhavatharani.D  Keerthana.S |
| Sprint-3 | MIT App Inventor | USN-3 | Develop an application for the Smart farmer project using MIT App Inventor | 2 | High | Nivetha.S  Fathima.J |

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| --- | --- | --- | --- | --- | --- | --- |
| Sprint-3 | Dashboard | USN-3 | Design the Modules and test the app | 2 | High | Nivetha.S  BhavatharaniD |
| Sprint-4 | Web UI | USN-4 | To make the user to interact with software. | 2 | High | Nivetha.S  Fathima.J  Bhavatharani.D  Keerthana.S |

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

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duratio n** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date(Actual)** |
| Sprint-1 | 20 | 7 Days | 30 Oct 2022 | 06 Nov 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 9 Days | 31 Oct 2022 | 09 Nov 2022 |  | 05 Oct 2022 |
| Sprint-3 | 20 | 13 Days | 01 Nov 2022 | 13 Nov 2022 |  | 12 Oct 2022 |
| Sprint-4 | 20 | 12 Days | 03 Nov 2022 | 15 Nov 2022 |  | 15 Oct 2022 |

**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

