**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)**

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| --- | --- |
| **Date** | **19 November 2022** |
| **Team ID** | **PNT2022TMID26844** |
| **Project Name** | Project- Smart crop protection- IOT Based Smart Crop Protection System for Agriculture |
| **Maximum Marks** | **8 Marks** |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint - 1 | Creating Hardware Simulation | USN - 1 | Connect Sensors and Wi - Fi modules by using Python code | 2 | High | PAVANKUMAR,  PINTUKUMAR,  FAWAZ,  NITHESHKUMAR SHARMA. |
| Sprint - 2 | Using Software | USN - 2 | Creating device in the IBM Watson IOT platform, to making workflow of IOT scenarios using Node - RED service | 2 | High | PAVANKUMAR,  PINTUKUMAR,  FAWAZ,  NITHESHKUMAR SHARMA. |
| Sprint - 3 | Cloud storage | USN - 3 | Develop a Cloudant DB and Object storage | 2 | High | PAVANKUMAR,  PINTUKUMAR,  FAWAZ,  NITHESHKUMAR SHARMA. |
| Sprint - 4 | Web UI | USN - 4 | To make the user to interact with software | 2 | High | PAVANKUMAR,  PINTUKUMAR,  FAWAZ,  NITHESHKUMAR SHARMA. |

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

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 20 | 6 Days | 23 Oct 2022 | 28 Oct 2022 | 20 | 28 Oct 2022 |
| Sprint - 2 | 20 | 6 Days | 30 Oct 2022 | 04 Nov 2022 | 20 | 04 Nov 2022 |
| Sprint - 3 | 20 | 6 Days | 07 Nov 2022 | 11 Nov 2022 | 20 | 11 Nov 2022 |
| Sprint - 4 | 20 | 6 Days | 14 Nov 2022 | 18 Nov 2022 | 20 | 18 Nov 2022 |