Project Planning Phase

Sprint Delivery Plan

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| --- | --- |
| Date | 25 October 2022 |
| Team ID | PNT2022TMID26330 |
| Project Name | Smart Farmer – IoT Enabled Smart FarmingApplication |
| 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 | Simulation Creation | USN-1 | Connect Sensors and Arduino with python code | 2 | High | Aparna, Akshaya, Harshini, Adthi |
| Sprint-2 | Software | USN-2 | Creating device in the IBM Watson IoT platform, workflow for IoT scenarios using Node-Red | 2 | High | Aparna, Akshaya, Adthi |
| Sprint-3 | MIT App Inventor | USN-3 | Develop an application for the Smart farmer project using MIT App Inventor | 2 | High | Akshaya, Harshini, Adthi |
| Sprint-3 | Dashboard | USN-3 | Design the Modules and test the app | 2 | High | Aparna, Akshaya, Adthi |
| Sprint-4 | Web UI | USN-4 | To make the user to interact with software | 2 | High | Aparna, Akshaya, Harshini |

**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 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 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:

