**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID48419 |
| Project Name | |  | | --- | | SmartFarmer - IoT Enabled Smart Farming  Application | |  | |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Resources Initialization | Create and initialize accounts in various public APIs like OpenWeatherMap API. | 1 | LOW | HARI S  KARUPPASAMY T  CHINNACHAMY T  VARATHARAJAN V |
| Sprint-1 | Local Server/Software Run | Write a Python program that outputs results given the inputs like weather and location. | 1 | MEDIUM | HARI S  KARUPPASAMY T  CHINNACHAMY T  VARATHARAJAN V |
| Sprint-2 | Push the server/software to  cloud | Push the code from Sprint 1 to cloud so it can be  accessed from anywhere | 2 | MEDIUM | HARI S  KARUPPASAMY T  CHINNACHAMY T  VARATHARAJAN V |
| Sprint-3 | Hardware initialization | Integrate the hardware to be able to access the cloud functions and provide inputs to the same. | 2 | HIGH | HARI S  KARUPPASAMY T  CHINNACHAMY T  VARATHARAJAN V |
| Sprint-4 | UI/UX Optimization &  Debugging | Optimize all the shortcomings and provide better  user experience. | 2 | LOW | HARI S  KARUPPASAMY T  CHINNACHAMY T  VARATHARAJAN V |

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 | 31 Oct 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 07 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 14 Nov 2022 |

**Burndown Chart:**

