Project Planning Phase

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

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| --- | --- |
| Date | 27October 2022 |
| Team ID | PNT2022TMID49462 |
| Project Name | IOT Based Smart Crop Protection System for Agriculture |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User**  **Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | USN-1 | As a farmer, I can register for the application by entering my email, password, and  confirming my password. | 2 | High | K Abeesh |
| Sprint-1 | User Confirmation | USN-2 | As a farmer, I will receive confirmation email once I  have registered for the application | 1 | Medium | P Suriyaprakash |
| Sprint-1 | Login | USN-3 | As a farmer, I can log into the application by entering email & password | 2 | High | A Karthikeyan |
| Sprint-2 | Interface Sensor | USN-1 | A sensor interface is a bridge between a device and any attached sensor. The interface takes data collected by the  sensor and outputs it to the | 2 | High | A Karthikeyan A Pandiyarajan |

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| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | attached device. |  |  |  |
| Sprint-3 | Coding  (Accessing datasets) | USN-1 | Coding is a set of instructions used to manipulate information so that a certain input results in  a particular output. | 2 | High | K Abeesh  A Karthikeyan A Pandiyarajan  P Suriyaprakash |
| Sprint-4 | Web Application | USN-1 | As a Farmer, I will show the  current Information of the Field. | 1 | Medium | K Abeesh  P Suriyaprakash |

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 | 4 Days | 24 Oct 2022 | 27 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 5 Days | 28 Oct 2022 | 01 Nov 2022 | 20 | 04 Nov 2022 |
| Sprint-3 | 20 | 8 Days | 02 Nov 2022 | 09 Nov 2022 | 20 | 11 Nov 2022 |
| Sprint-4 | 20 | 9 Days | 10 Nov 2022 | 18 Nov 2022 | 20 | 19 Nov 2022 |
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