**Project Planning Phase**

**Problem Solution Fit**

**IOT SMART CROP PRODECTION AGRICULTURE SYSTEM**

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| --- | --- |
| Date | 04 November 2022 |
| Team ID | PNT2022TMID30091 |
| Project Name | Project – IOT BASED CROP PRODECTION AND AGRICULTURE SYSTEM |
| 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 Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | Pavan kumar,  Abishek,  Dhanushkodi,  jackson |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Pavan kumar,  Abishek,  Dhanushkodi,  jackson |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Pavan kumar,  Abishek,  Dhanushkodi,  jackson |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Pavan kumar,  Abishek,  Dhanushkodi,  jackson |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Pavan kumar,  Abishek,  Dhanushkodi,  jackson |
| Sprint-1 | Dashboard | USN-6 | As a user ,I can login into the application by entiering email&passwpard | 1 | high | Pavan kumar,  Abishek,  Dhanushkodi,  jackson |
| Sprint-2 | Educational Qualifaction | USN-7 | Acts as link-man between a company | 1 | Medium | Pavan kumar,  Abishek,  Dhanushkodi,  jackson |
| Sprint-1 | Input&ouput | USN-8 | Adminstarter can get user requeriments input&output | 2 | High | Pavan kumar,  Abishek,  Dhanushkodi,  jackson |

**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 |  |  |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 |  |  |
|  |  |  |  |  |  |  |
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**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)



**Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile[software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.