**Project Planning Phase**

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

|  |  |
| --- | --- |
| Team ID | PNT2022TMID18532 |
| Project Name | Estimation of crop yield using data analytics |

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

Use the below template to create a 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 | user can register for the application by entering my email and password | 1 | High | Ruffina Perlintina IRK |
| Sprint-1 | Registration | USN-2 | User will receive email if the registration is  successful. That the registration has conformed | 1 | High | Ruffina Perlintina IRK |
| Sprint-2 | Registration | USN-3 | As a user, I can register by any browser. | 2 | Low | Venkatakrishna R |
| Sprint-1 | Data extract | USN-4 | As a user, I can extract data | 1 | Medium | Shwetha S |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 2 | High | Sumesh CS |
| Sprint-2 | Dashboard | USN-6 | I can access the dashboard of mine. | 1 | Medium | Shwetha S |
| Sprint-1 | Activity | USN-7 | I can register for the application through any web browser. | 1 | low | Sumesh CS |
| Sprint-1 | Access resources | USN-8 | I can use my credentials For accessing my resources. | 1 | high | Ruffina Perlintina IRK |
| Sprint-2 | Set events | USN-9 | As, a user I can schedule events and set events. | 1 | high | Venkatakrishna R |
| Sprint-3 | Tools | USN-10 | I can perform analysis by tools(cognos and with ML) | 1 | high | Shwetha S |

**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:**

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 m](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)ethodologies 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.

