**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID14744 |
| Project Name | Project - Real Time River Water Monitoring and Control 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 | Saravanan C |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Sharun Krishnan |
| Sprint-1 | Registration | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Sidhesh |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Dhanasekar |
| Sprint-1 | Registration | USN-5 | As a user, I can log into the application by entering email & password | 1 | low | Yarrapothu Charan |
| Sprint-2 | Login | USN-1 | As a user I need to register for that mobile UI access | 3 | High | Saravanan C |
| Sprint-2 | Login | USN-6 | As a user I will have mobile UI to access the product | 2 | Medium | Sharun Krishnan |
| Sprint-2 | Login | USN-2 | As a product user ,I get OTP for verification | 3 | High | Sidhesh |

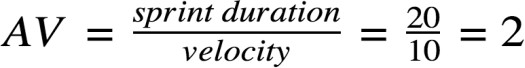
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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-2 | Login | USN-3 | As a user ,I get access for the mobile UI | 2 | Medium | Dhanasekar |
| Sprint-3 | Dashboard | USN-7 | dashboard for cloud API | 5 | High | Saravanan C  Sharun Krishnan  Sidhesh |
| Sprint-4 | Model delivery | USN-8 | user monitor and control model | 5 | High | Yarrapothu Charan  Dhanasekar |

# 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 | 10 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 5 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 5 | 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:**

