**Project Planning Phase**

**Sprint Delivery Plan**

PROJECT PLANNING PHASE

SPRINT DELIVERY TIME

|  |  |
| --- | --- |
| Date | 03 November 2022 |
| Team ID | PNT2022TMID22872 |
| Project Name | Real-Time River Water Quality Monitoring and Control System |
| Maximum Marks | 8 Marks |

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

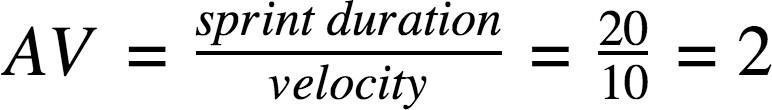
Product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 analyze the prerequisites and install the needed python IDLE and creation of cloud services | 2 | High | Sathanika.M |
| Sprint-1 |  | USN-2 | As a user, I will create the IBM Watson and device | 1 | High | Sarulatha.J |
| Sprint-2 |  | USN-3 | As a user, I can develop a python code and the data is published through IBM cloud | 2 | High | Vignesh.M |
| Sprint-2 | Login | USN-4 | As a user, I can develop web application using Node-RED | 2 | High | Yougan Bhalaji.S.R |
| Sprint- 3 | Login | USN-5 | As a user, I can create HTTP request to communicate with mobile app | 1 | High | Sarulatha.J |
| Sprint- 3 |  | USN-5 | As a user, I will build mobile application | 1 | High | Sathanika.M |
| Sprint- 3 |  | USN-6 | As a user, I will create ideation phase | 1 | Medium | Sarulatha.J |
| Sprint- 4 |  | USN-7 | As a user, I will create project design phase 1, 2 and project planning phase | 1 | Medium | Sathanika.M |
| Sprint- 4 |  | USN-8 | As a user, I will do project development phase | 2 | High | Sarulatha.J |

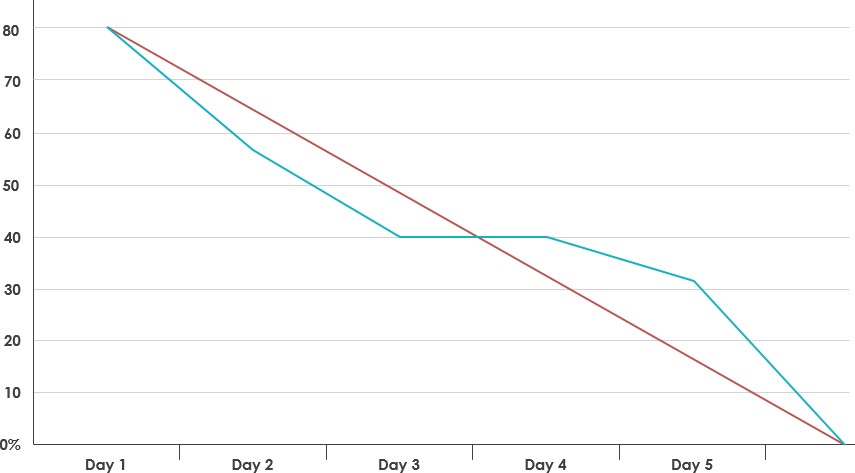
**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | 30 | 30 Oct 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 49 | 06 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 50 | 07 Nov 2022 |

**Velocity:**



**Burndown Chart:**



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