Project Planning Phase

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

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| --- | --- |
| Date | 27October 2022 |
| Team ID | PNT2022TMID00549 |
| Project Name | Efficient Water Quality analysis and Prediction using Machine Learning |
| 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 Numbe**  **r** | **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 | Shivani I  Vishnavi V |
| Sprint-1 | User Confirmation | USN-2 | As a user, I will receive  confirmation email once I have registered for the application | 1 | Medium | Shirley Praylin G |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password | 2 | High | Sindhuja  Shirley Praylin G |
| Sprint-2 | Data Collection and data preprocessing | USN-1 | A Data Collection is a process of gathering and measuring information on variables to ensure accuracy and facilitate data analysis. Data pre  processing is a process of clean | 2 | High | Shivani I  Shirley Praylin G  Vaishnavi V |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | the raw dataset present on it. |  |  |  |
| Sprint-3 | Train and develop the model | USN-1 | We need to check and train our model is performing the test data. | 2 | High | Shivani I  Vaishnavi V  Shirley Praylin G  Sindhuja S |
| Sprint-4 | Web Application | USN-1 | As as user, I will show the current Information of the  water quality. | 1 | Medium | Shivani I  Shirley Praylin G  Vaishnavi V |

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 | 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 |