

## Project Planning Phase

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

|               |  |
|---------------|--|
| Date          | 10 October 2022  |
| Team ID       | PNT2022TMID27512   |
| Project Name  | Efficient Water Quality Analysis and Prediction using Machine Learning |
| Team Lead     | Jaffrin Deno M   |
| Team Members  | Sharan Gonsalous Johni<br>Manoj A<br>Juan Simon Boris V                |
| 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     | Jaffrin Deno M         |
| Sprint-2 | User Confirmation             | USN-2             | As a user, I will receive confirmation email once I have registered for getting the data set.             | 1            | High     | Sharan Gonsalous Johni |
| Sprint-3 | Login                         | USN-3             | As a user, I can login to the application by entering my email and password.                              | 1            | High     | Manoj A                |
| Sprint-4 | Home Page                     | USN-4             | As a user, I can find the data set to analyse waterquality.   | 2            | High     | Juan Simon Boris V     |

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

| <b>Sprint</b> | <b>Total Story Points</b> | <b>Duration</b> | <b>Sprint Start Date</b> | <b>Sprint End Date (Planned)</b> | <b>Story Points Completed (as on Planned End Date)</b> | <b>Sprint Release Date (Actual)</b> |
|---------------|---------------------------|-----------------|--------------------------|----------------------------------|--|-------------------------------------|
| 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                         |