

## Project Planning Phase

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

|               |  |
|---------------|--|
| Date          | 27October 2022   |
| Team ID       | PNT2022TMID05866   |
| 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 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     | D.S Tamilarasan |
| Sprint-1 | User Confirmation             | USN-2             | As a user, I will receive confirmation email once I have registered for the application   | 1            | Medium   | D.S Tamilarasan |
| Sprint-1 | Login                         | USN-3             | As a user, I can log into the application by entering email & password  | 2            | High     | D.S Tamilarasan |
| Sprint-2 | Interface Sensor              | USN-1             | A sensor interface is a bridge between a device and any attached sensor. The interface takes data collected by the sensor and outputs it to the | 2            | High     | R.Nikesh        |

|          |                                |       |  |   |        |               |
|----------|--------------------------------|-------|--|---|--------|---------------|
|          |                                |       | attached device.   |   |        |               |
| Sprint-3 | Coding<br>(Accessing datasets) | USN-1 | Coding is a set of instructions used to manipulate information so that a certain input results in a particular output. | 2 | High   | R.Samitha     |
| Sprint-4 | Web Application                | USN-1 | As as user, I will show the current Information of the water quality.  | 1 | Medium | G.Vishnupriya |

| <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                         |