# Project Design Phase-II
## Data Flow Diagram & User Stories

| Date | 25 October 2022 |
|---|---|
| Team ID | PNT2022TMID51187 |
| Project Name | Project – Efficient Water Quality Analysis & Prediction Using Machine Learning. |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams & User Stories:**



**Basic Machine Learning Concept**
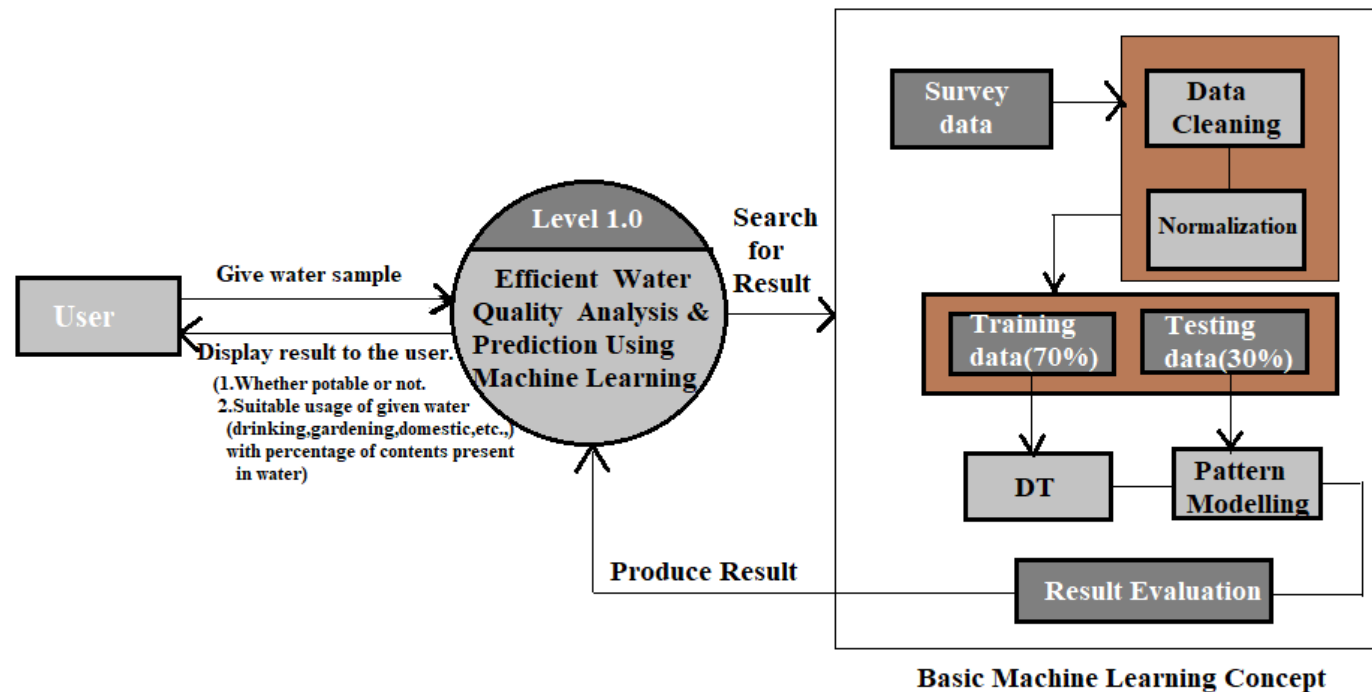
| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Customer (Mobile user) | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard. | High | Sprint-1 |
| | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm. | High | Sprint-1 |
| | | USN-3 | As a user, I can register for the application through Facebook | I can register & access the dashboard with Facebook Login. | Low | Sprint-2 |
| | | USN-4 | As a user, I can register for the application through Gmail | I can register and access the gmail. | Medium | Sprint-1 |
| | Login | USN-5 | As a user, I can log into the application by entering email & password | I can successfully login through application. | High | Sprint-1 |
| | Dashboard | USN-6 | As a user,I can access the dashboard. | I can refer dashboard for certainty. | Medium | Sprint-1 |
| Customer (Web user) | Analysis of water quality | USN-7 | As a user,I can access the water quality analysis all over India. | I can predict water quality earlier. | High | Sprint-1 |
| Customer Care Executive | Customer queries | USN-8 | As a user, I can register the complaint in website. | I can get an immediate solution. | High | Sprint-1 |
| Administrator | Maintaining application | USN-9 | As an administrator, I can maintain website and enhance the online presence. | I can improve the website's appearance & usability. | High | Sprint-2 |
| | | USN-10 | As an administrator, I can maintain issues in analysing values. | I can improve the accuracy of predicting values. | High | Sprint-2 |
| | | USN-11 | As an administrator, I can update the website for user benefits. | I can ensure the content is in harmony with the customer's overall objectives | Medium | Sprint-2 |
| | | USN-12 | As an administrator, I can improve the website for user needs. | I can enhance user experience | High | Sprint-2 |