**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID28778 |
| Project Name | Project – Real time river water quality monitoring and control system |

Hardware sensor

User mobile registration

Login to web appiication through OTP

Analysied information from sensor

User interface

Alert message to user mobile through web application

Checking for information in mobile appp

Alert message to user mobile and to mobile app

User and hardware data interface

**User Stories**

Use the below template to list all the user stories for the product.

| **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 registered mobile number | I can access my account / dashboard | High | Sprint-1 |
|  |  | USN-2 | As a user, I will receive OTP once I have registered for the application | I can receive confirmation OTP & click confirm link | 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 |  | Medium | Sprint-1 |
|  | Login | USN-5 | As a user, I can log into the application by entering mobile number and OTP received | I can access easily | High | Sprint-1 |
|  |  | USN-6 | As a user my mobile application should work without errors about 90% of time | I can get reliable information | Medium | Sprint -1 |
| Customer (Web user) | Dashboard | USN-7 | As a user I need information simplified and easily understandable | I can understand info better | High | Sprint -1 |
|  |  | USN-8 | As a user l like to edibility quality of water | I can use know about water quality | Medium | Sprint -1 |
| Customer Care Executive |  | USN-9 | As a user I prefer to have executives who can help out in problem shooting | I can solutions easily | High | Sprint -2 |
| Administrator | Risk tollerance | USN-5 | As an administrator who can handle system maintainance | Should monitor the records properly | High | Sprint -1 |