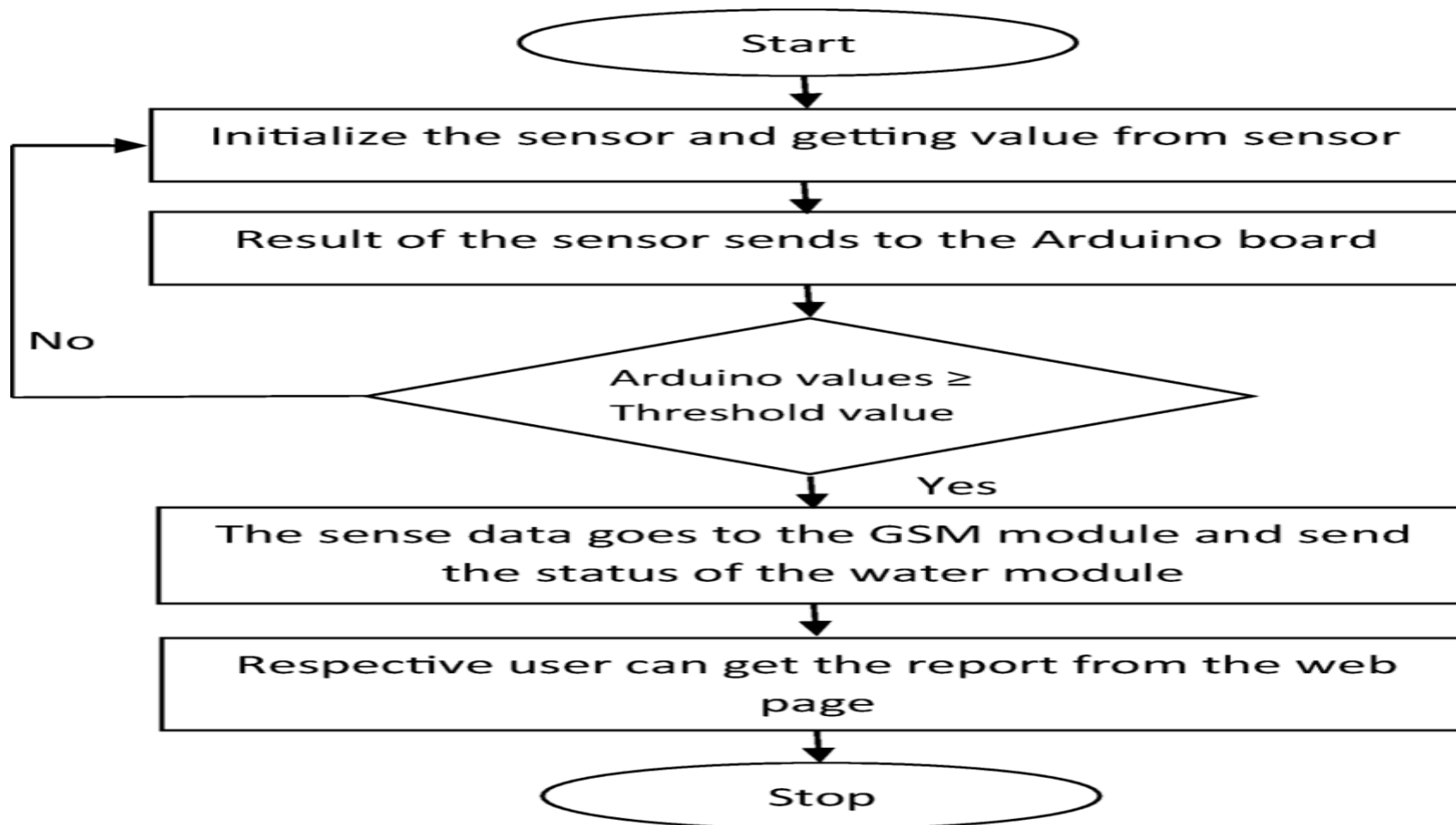


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

|               |   |
|---------------|---|
| Date          | 13 October 2022   |
| Team ID       | PNT2022TMID07826  |
| Project Name  | Project - Real time River water quality monitoring and control system |
| Maximum Marks | 4 Marks   |

**Data Flow Diagram:**



## User Stories

| 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 email , password, and confirming my password. | I can access my account/dashboard                  | High     | Sprint-1 |
|                        |                               | USN-2             | As a user, I will receive a confirmation email once I have registered for the application               | I can receive a confirmation email & click confirm | High     | Sprint-2 |
|                        |                               | USN-3             | As a user, I can register for the application through google  | I can register & access the dashboard with google  | High     | Sprint-1 |
|                        |                               | USN-4             | As a user, I can register for the application through Gmail   | I can register through the email.                  | Medium   | Sprint-2 |
|                        | Login                         | USN-5             | As a user, I can log into the application by entering email, password & captcha                         | I can receive login credentials.                   | High     | Sprint-1 |
|                        | Interface                     | USN-6             | As a user, the interface should be user-friendly manner   | I can be able to access easily.                    | Medium   | Sprint-1 |
| Customer (Web user)    | dashboard                     | USN-7             | As a user, I can access the specific info(ph value, temp, humidity, quality).                           | I can be able to know the quality of the water.    | High     | Sprint-1 |
| Customer (input)       | View manner                   | USN-8             | As a user, I can view data in visual representation manner(graph)                                       | I can easily understand by visuals.                | High     | Sprint-1 |
|                        | Taste                         | USN-9             | As a user , I can be able to view the quality(salty) of the water                                       | I can easily know whether it is salty or not       | High     | Sprint-1 |
|                        | Colour visibility             | USN-10            | As a user , I can be able to predict the water colour   | I can easily know the condition by colour          | High     | Sprint-1 |
| Administrator          | Risk tolerant                 | USN-11            | An administrator who is handling the system should update and take care of the application.             | Admin should monitor the records properly.         | Medium   | Sprint-2 |