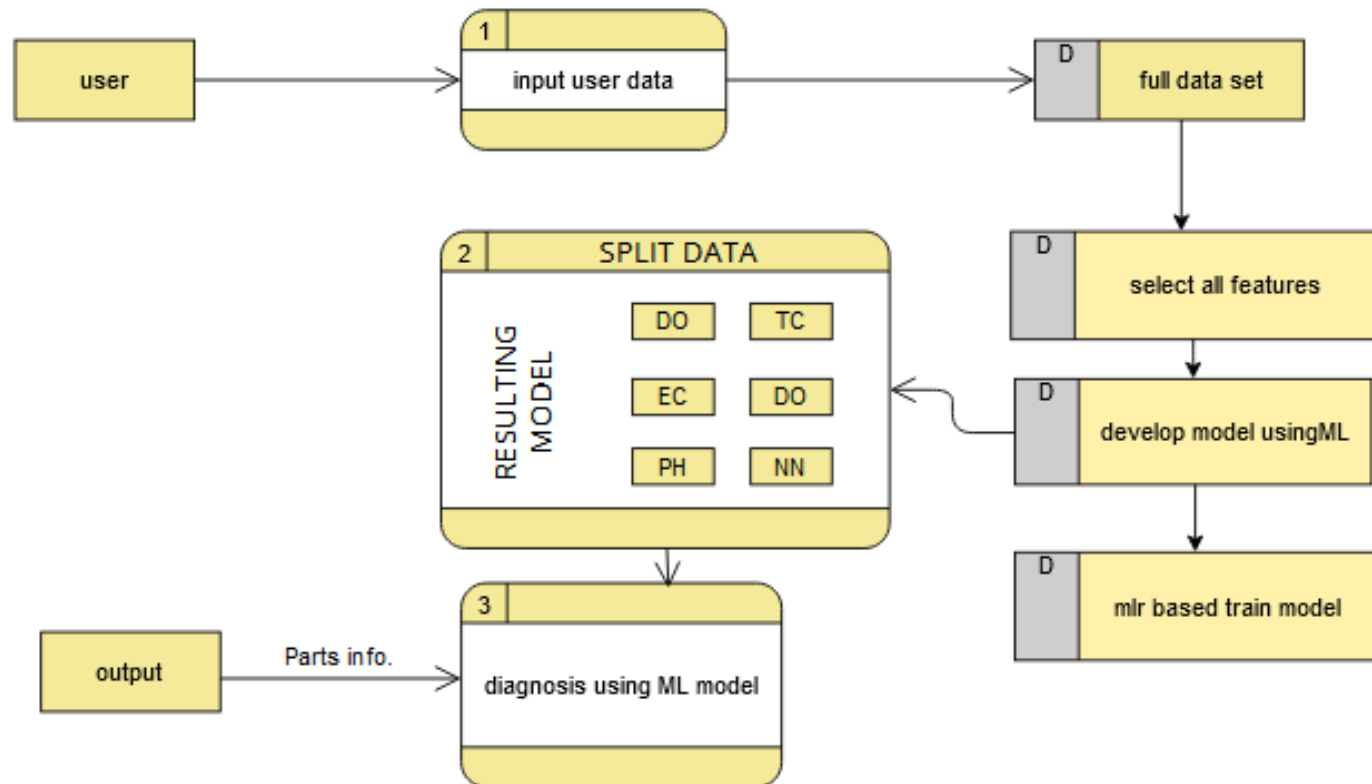


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

|               |  |
|---------------|--|
| Date          | 18 October 2022  |
| Team ID       | PNT2022TMID27171   |
| Project Name  | Efficient Water Quality Analysis and Prediction Using Machine Learning |
| Maximum Marks | 4 Marks  |

**DATAFLOW 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 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 through website   | I can register and access the account with website | High     | Sprint-1 |
|                                      |                               | 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 into application          | High     | Sprint-1 |
|                                      | Dashboard                     | USN-6             | As a user, I can access the dashboard   | I can referred dashboard for certainty             | Medium   | Sprint-1 |
| Customer (Ordinary people, Industry) | Analysis the water quality    | USN-7             | As a user, I can access the water quality analysis in all over india                                      | I can predict the 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 immediate solution                       | High     | Sprint-1 |
| Administrator                        | Getting value                 | USN-9             | when there is a issues in getting analysed value  | through administrator getting predicted value      | Low      | Sprint-2 |

