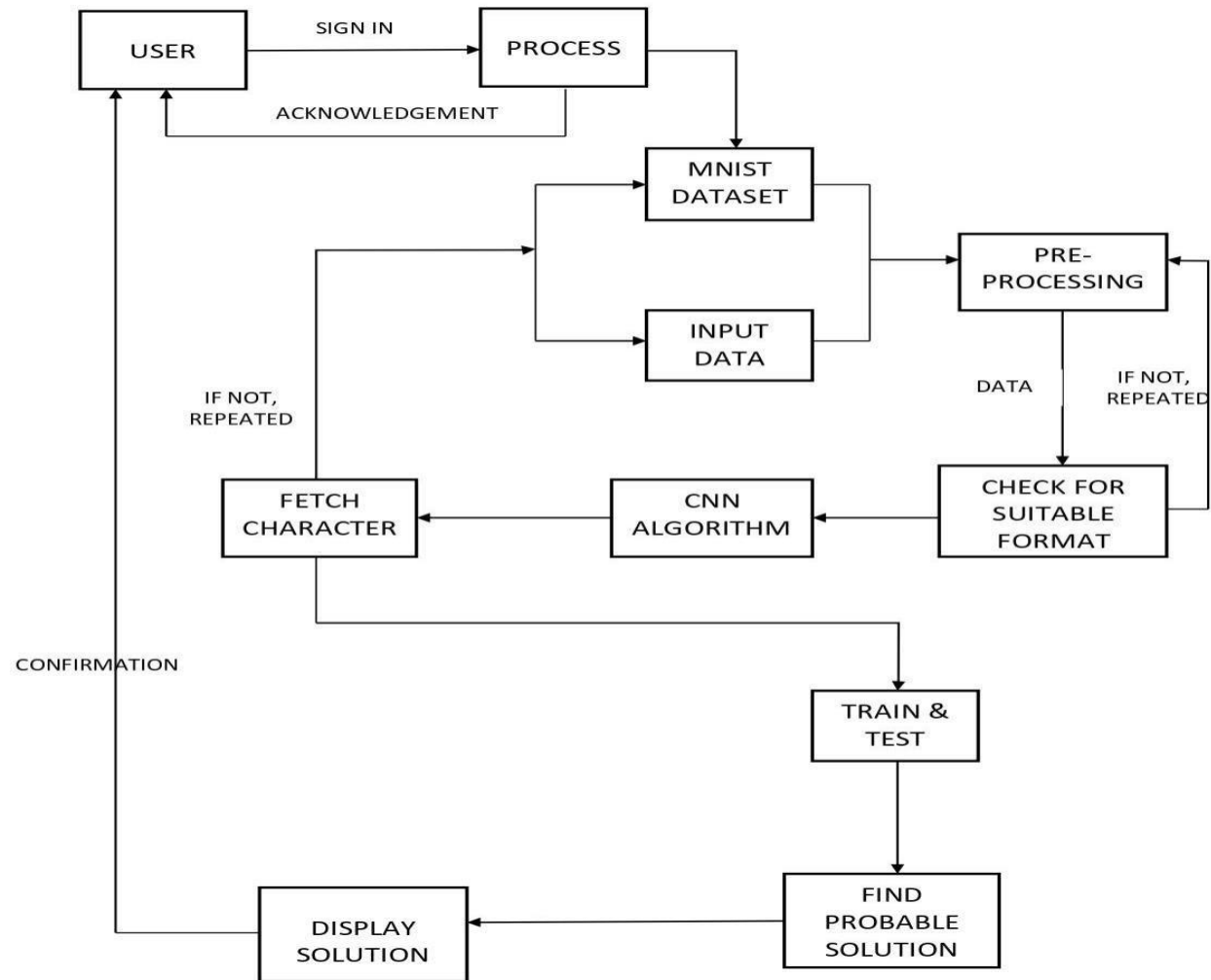


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

|               |   |
|---------------|---|
| Date          | 22-October 2022   |
| Team ID       | PNT2022TMID05327  |
| Project Name  | Project – A Novel Method for Handwritten digit recognition system |
| Maximum Marks | 4 Marks   |

**Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



## 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 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 dashboard with Google Mail  | Medium   | Sprint-1 |
|                         | Login                         | USN-5             | As a user, I can log into the application by entering email & password                                    | I can login to the application to give my input           | High     | Sprint-1 |
|                         | Dashboard                     | USN-6             | As a user. I can move to dashboard section, involves to view various types of visual data                 | I can see many visual data in dashboard                   | Low      | Sprint-2 |
| Customer (Web user)     | Functionality                 | USN-7             | As a web user, I want to give input data to get recognition   | I can get the probable match for my input data            | High     | Sprint-1 |
| Customer Care Executive | Communication                 | USN-8             | As a customer care executive, I can assist the customer to fulfil their expectations                      | By their suggestions, I can fulfil their needs            | High     | Sprint-1 |
| Administrator           | Classification                | USN-9             | As an administrator, I can preprocess the data for further process  | I can used the preprocessed data                          | Medium   | Sprint-2 |
|                         | Formatting                    | USN-10            | As an administrator, I can check for the suitable format  | I will get errors if it is not in proper format           | Low      | Sprint-3 |
|                         | Testing and Training          | USN-11            | As an administrator, I can feed the data to the CNN   | I can train and test the data                             | High     | Sprint-1 |
|                         | Accuracy                      | USN-12            | As an administrator, I can compare the text and give better accuracy                                      | I can get better accurate output                          | Medium   | Sprint-2 |
|                         | User Experience               | USN-13            | As an administrator, I can get the most probable  | I can get the most probable digit/character               | High     | Sprint 1 |