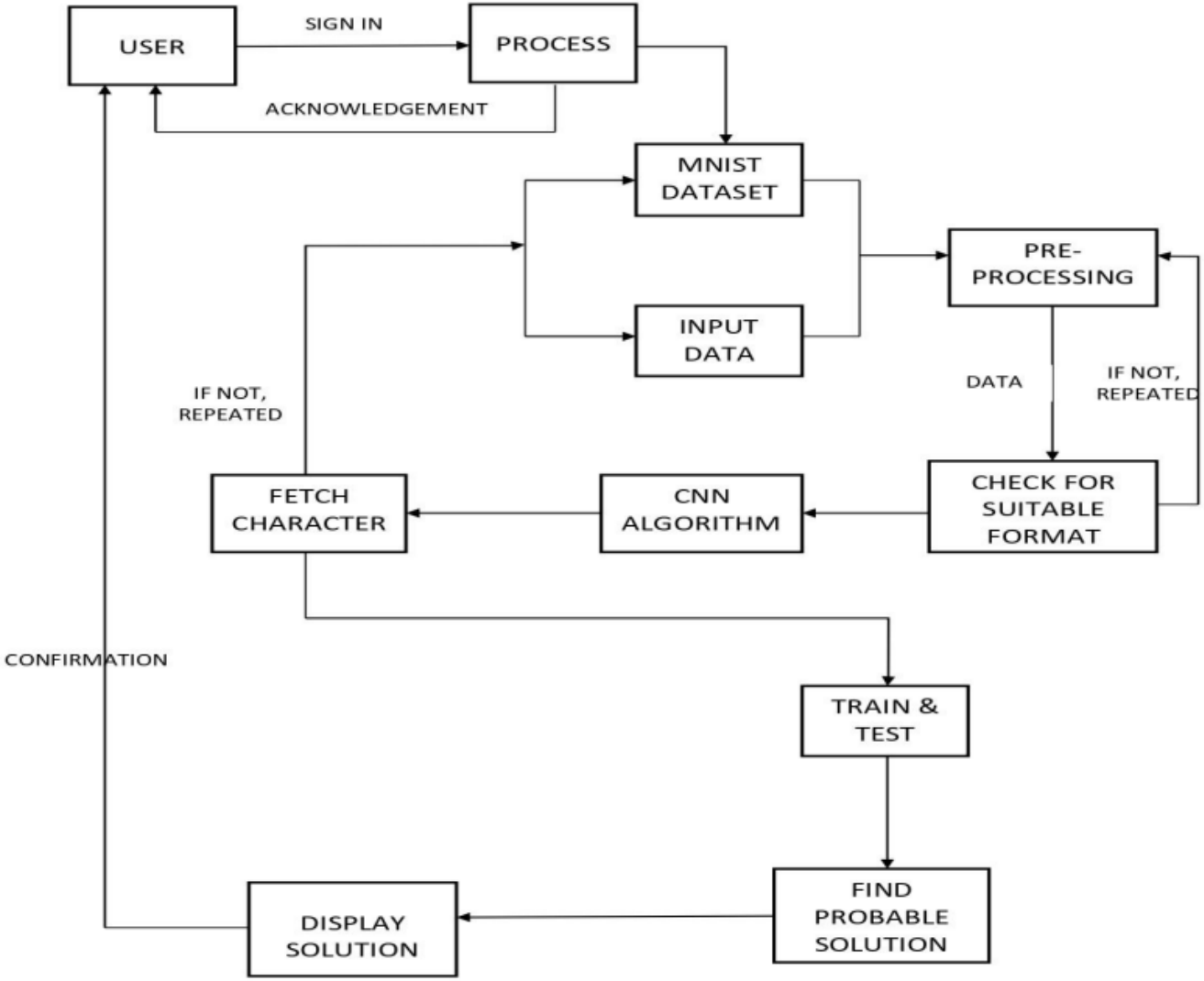
Project Design Phase II

Data Flow Diagram & User Stories

Date	21 October 2022
Team ID	PNT2022TMID37128
Project Name	A Novel Method For Handwritten Recognition System
Maximum Marks	4 Marks

Data Flow Diagram:

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
SIGN IN
PROCESS
ACKNOWLEDGEMENT
MNIST DATASET
INPUT DATA
PRE-PROCESSING
DATA
IF NOT, REPEATED
IF NOT, REPEATED
CHECK FOR SUITABLE FORMAT
CNN ALGORITHM
FETCH CHARACTER
CONFIRMATION
TRAIN & TEST
FIND PROBABLE SOLUTION
DISPLAY SOLUTION

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 pre-process the data for further process	I can used the pre-processed 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