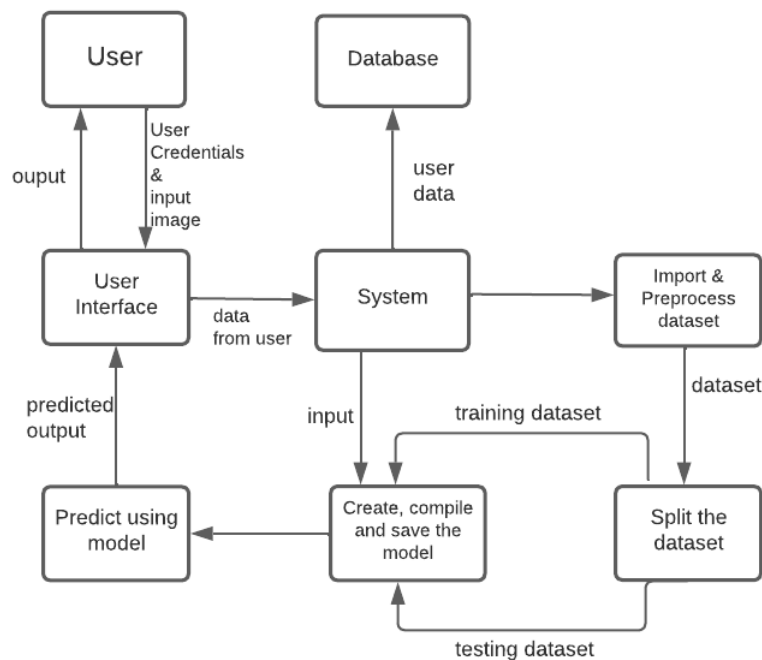


## DATA FLOW DIAGRAMS AND USER STORIES

Date	27 <sup>th</sup> October, 2022
Team ID	PNT2022TMID28868
Project Name	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.



1. User registers with their credentials
2. Input from the user
3. System loads the dataset
4. Splitting into training and testing
5. CNN modelling
6. Output prediction
7. Display the output

USER TYPE	FUNCTIONAL REQUIREMENT (EPIC)	USER STORY NUMBER	USER STORY/TASK	ACCEPTANCE CRITERIA	PRIORITY	RELEASE
Customer	Registration	USN1	I should register with my credentials like username, email and passwords as a customer	I can access my account via email	High	Sprint-1
	Verification	USN2	As a customer I will verify my registration with email received	I can verify my registration through my email	High	Sprint-1
	Login	USN3	I, as a customer, should login with my credentials	I can login the page	Low	Sprint-2
	Upload Input	USN4	I will upload my input as an image or via on-screen mode	I can write the digit or upload the image	High	Sprint-2
	Train	USN5	As a customer I will train the system thoroughly with proper and frequent inputs	I can upload proper images frequently to train the system	Medium	Sprint-3
	Test	USN6	As a customer I will test the system periodically with new data to check the system accuracy	I can check the system accuracy with my fresh data	High	Sprint-3
Administrator	Maintenance	USN7	As an admin I will maintain the user data properly	I can handle the customer data	High	Sprint-4
	Update	USN8	As an administrator I will check if I can make any effective updates on the system	I will update the system when it is required	Medium	Sprint-4