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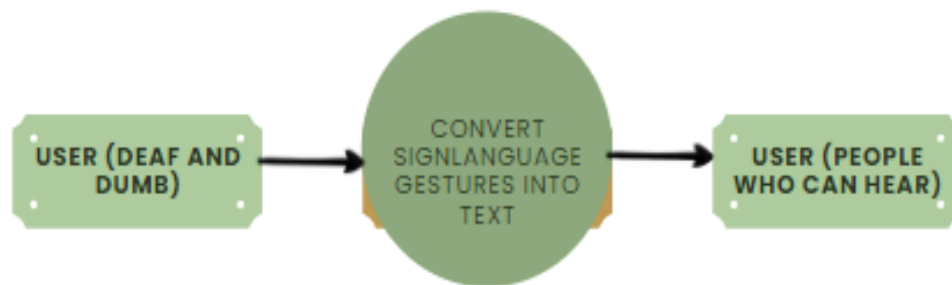**Data Flow Diagram & User Stories**

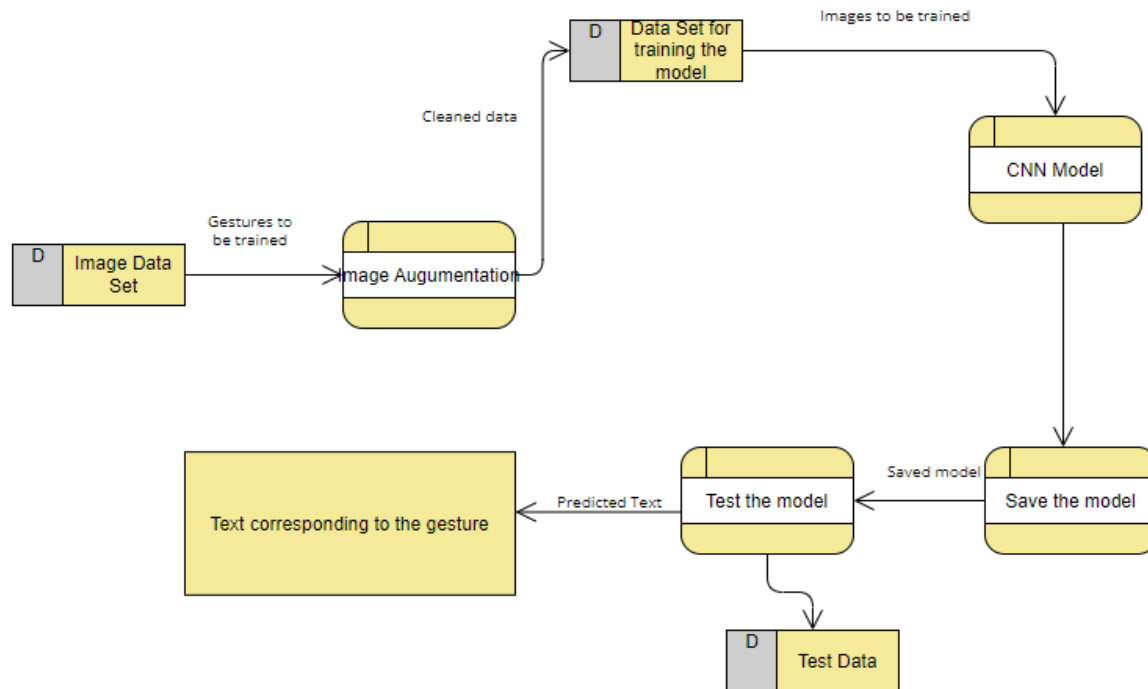| Date	03 October 2022
Team ID	PNT2022TMID20864
Project Name	Project - Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	4 Marks

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.
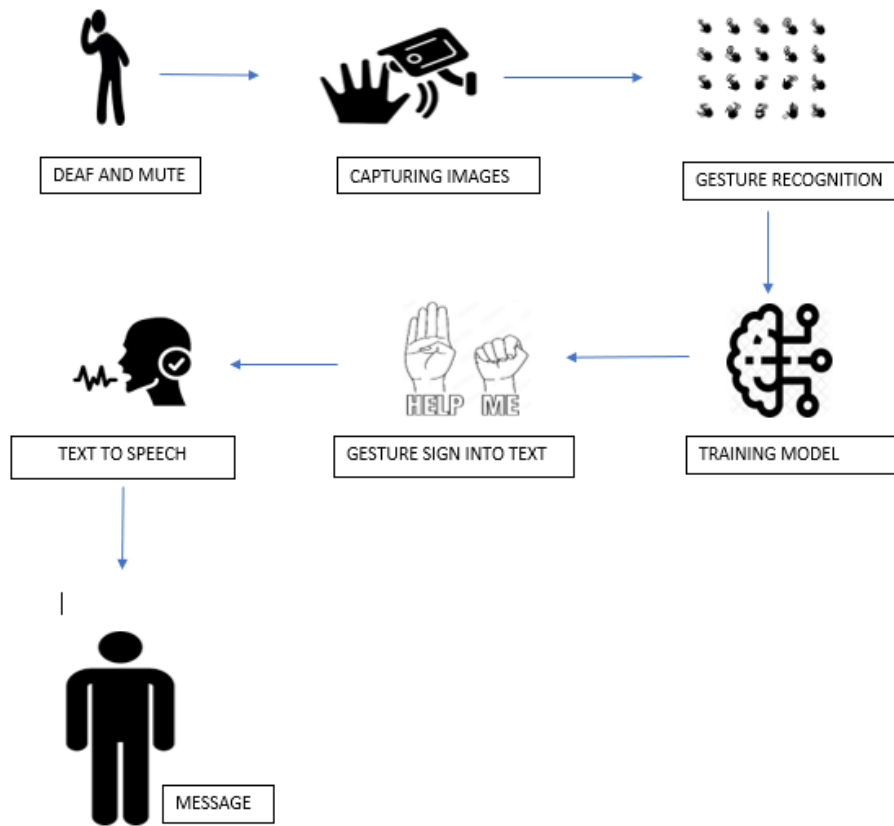
DFD - 0 level diagram

DFD - 1 level diagram

Simplified flow diagram

| DEAF AND MUTE | CAPTURING IMAGES | GESTURE RECOGNITION |

| TEXT TO SPEECH | GESTURE SIGN INTO TEXT | TRAINING MODEL |

HELP ME

| MESSAGE |

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 - People who cannot hear)	Convert sign language into text	USN-1	As a user, I can open camera in the app and record my signs to be converted into text.	I can communicate with normal people effectively.	High	Sprint-1
		USN-2	As a user, I upload my previous sign gestures to communicate faster.	I can have a list of frequently used signs to make for fast reference.	Medium	Sprint-2
	Dashboard	USN-3	Buttons to record the signs , to convert in real-time and either buttons should be available in the right places.	All features must be easily accessible.	High	Sprint-1
		USN-4	EMergency calls must be available so that I can press a button in times of emergency to get the attention of others.	I can feel safe because of the Emergency Button which can get me help.	High	Sprint-1
Customer (Mobile user - People who can hear and talk)	convert sign language into text	USN-5	As a user, I can open back camera in the app and record the specially abled people signs to be converted into text	I can understand the mode of communication of specially - abled people effectively.	High	Sprint-2
	Show the message to convey in the form of text	USN-6	As a user, I can open a Text pad that is available in the app, so that the deaf people can see the message I need to convey	I can convey my message to then effectively	Medium	Sprint-3
Administrator	Integrate application with the trained model	USN-7	As a admin, I should be able to integrate the AI mode into the application and maintain the apllication	I can give best experience to the mobile app users	High	Sprint-1