

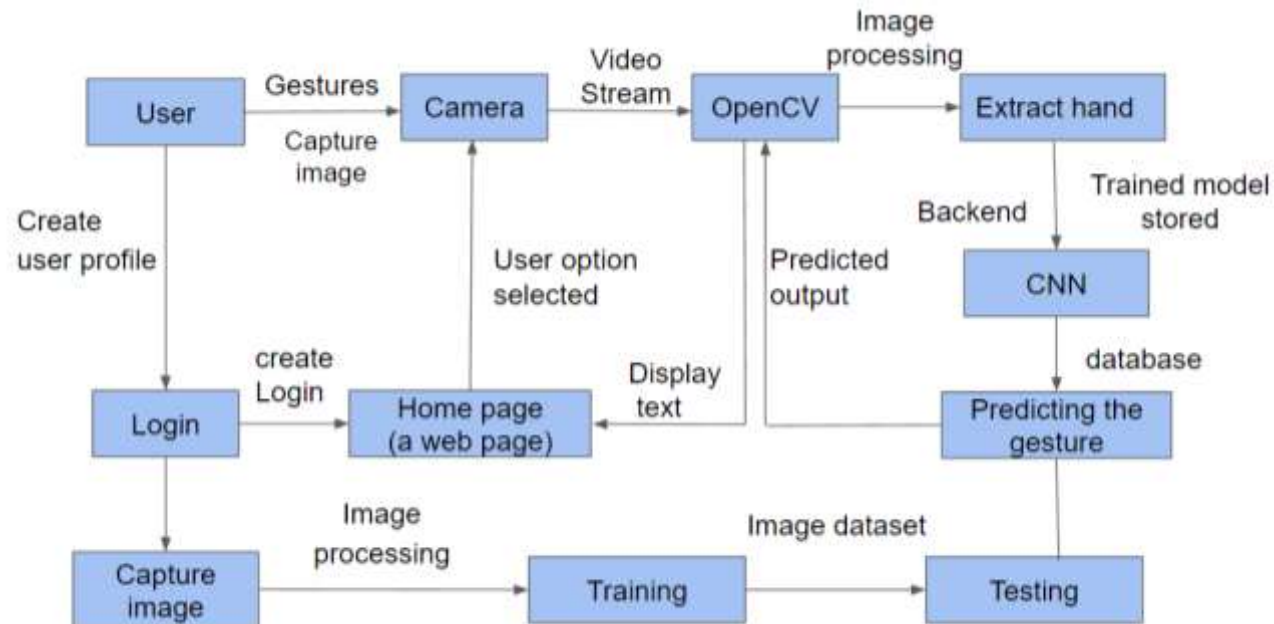
Project Design Phase-II

Data Flow Diagram & User Stories

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|---------------|---|
| Date | 15 October 2022 |
| Team ID | PNT2022TMID12764 |
| 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.



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 (deaf) | UI, AI Model | USN-1 | As a user, who has trouble hearing, I want a transcript of the language spoken or sign language so that I can understand the speech/conversation better and for conversing back I want to use either speech or sign language | I can use the button in the UI for converting speech to text or sign-language and also vice versa | Very High | Sprint -1 |
| Customer (mute) | UI, AI Model | USN-2 | As a user, who has trouble speaking, I want the audio of the language spoken so that I can understand the speech/conversation and to converse back I want to use sign language/ text. | I can use button in the UI for converting my speech to text or sign-language and also vice versa | Very High | Sprint-1 |
| Customer (deaf and mute) | UI, AI Model | USN-3 | As a user, who has trouble hearing and speaking, I want a transcript of the language spoken or sign language so that I can understand the speech/conversation better and to converse back I want to use sign language | I can use button in the UI for converting speech to text and also vice versa | Very High | Sprint-1 |
| Customer (all application users) | Registration | USN-4 | As a user, I can register for the application by entering my email and password | I can access my account | High | Sprint-2 |
| | | USN-5 | As a user, I can register for the application through third party apps like Google, Microsoft, etc. | I can access my account | High | Sprint-2 |

| | | | | | | |
|--|-------------------------|--------|--|---|--------|----------|
| | | USN-6 | As a user, I will receive confirmation email once I have registered for the application through email and password | I can receive confirmation email & click confirm | High | Sprint-2 |
| | Login | USN-7 | As a user, I can log into the application by entering email & password | I can access my account | Medium | Sprint-3 |
| | | USN-8 | As a user, I can log into the application through third party apps like Google, Microsoft, etc. | I can access my account | Medium | Sprint-3 |
| | History of Conversation | USN-9 | View all my history of conversation | I can view my history of conversation in the app | Low | Sprint-4 |
| | | USN-10 | I can use a specific text or speech or sign-language from my history for present conversation | I can choose repeated text/speech/sign-language from my history of conversation and give quick reply to others rather than making new recording/typing every time | Low | Sprint-4 |
| | | USN-11 | Can give quick reply for common sentences through chat-bot | I can give instant reply to others for commonly used word/sentences rather than making new recording/typing every time | Low | Sprint-4 |

