

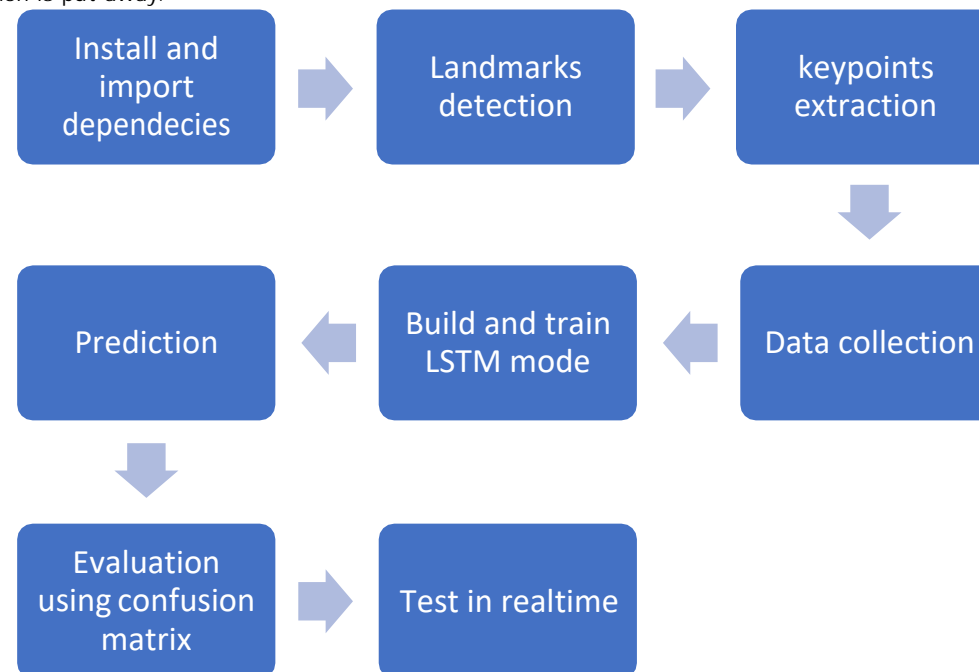
Project Design Phase-II

Data Flow Diagram & User Stories

Date	15 October 2022
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	4 Marks

Data Flow Diagram:

A data flow diagram (DFD) is a conventional visual portrayal of the data streams inside a framework. A slick and clear DFD can portray the perfect proportion of the framework necessity graphically. It shows how information enters and leaves the framework, what changes the data, and where information is put away.



Flow:

1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

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
Developer	Model Build	USN-1	Gather dataset		High	Sprint-1
		USN-2	Collecting Key points using Media Pipe Holistic		High	Sprint-1
		USN-3	Training a Model Using LSTM from key Points		High	Sprint-2
		USN-4	Change text to voice using API		Medium	Sprint-2
		USN-5	An integrated model in flask		High	Sprint-3
Customer (Web user)	Communication	USN-1	Communicating in Front of camera		High	Sprint-1
		USN-2	Voice and text are conveyed through web interface		High	Sprint -1