

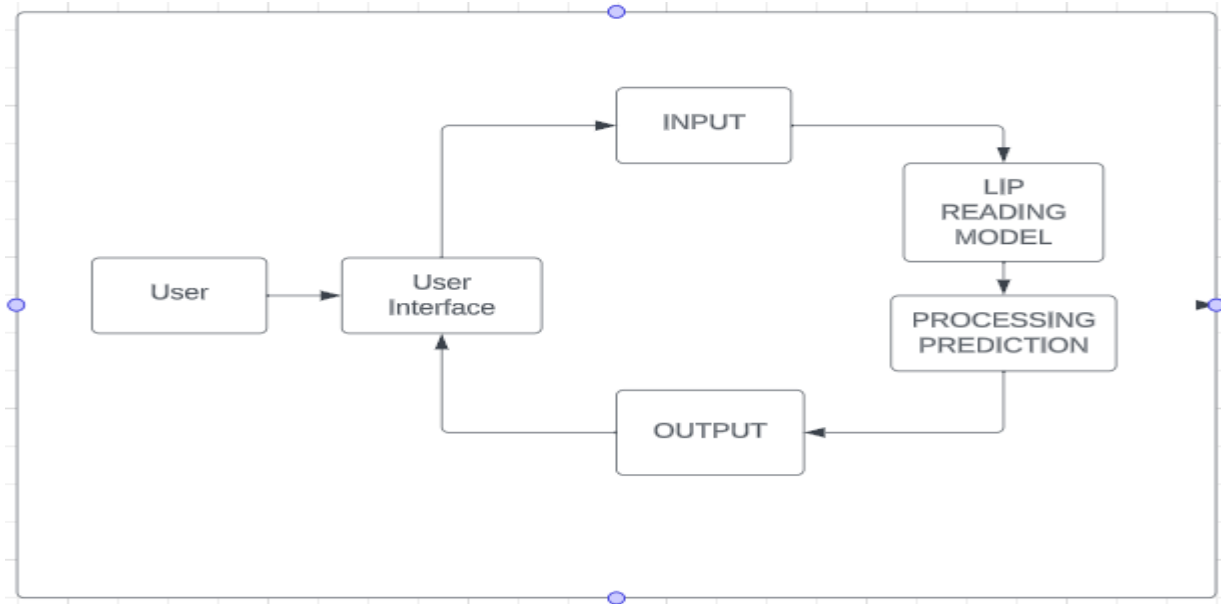
## Project Design Phase-III

### Data Flow Diagram & User Stories

Date	21 November 2023
Team ID	Team-591890
Project Name	Lip Reading Using Deep Learning
Task	Data Flow Diagram & User Stories

#### Data Flow Diagram (DFD):

Data Flow Diagram (DFD) for a Lip reading using deep learning involves illustrating the flow of data between different components or processes. In this case, we consider the point of view of a user interacting with the system.



- 1.User goes to user interface in the website.
- 2.User will give the input required.
3. Lip reading using deep learning, a deep learning model will take the user input.
- 4.Processing takes place in Lip reading model.
- 5.User will receive the output from the Lip reading model.

### User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story/Task	Acceptance criteria	Priority	Release
user	input	USN-1	As a user, I can upload video files containing speech for lip reading.	I can upload video files of supported formats.	High	Sprint-1
user	processing	USN-2	As a user, I want the system to preprocess video frames for lip region extraction.	The system detects and extracts lip regions accurately.	High	Sprint-1
user	recognition	USN-3	As a user, I want the system to recognize lip movements and predict speech.	The system accurately predicts phonemes or words from lip movements.	High	Sprint-2
administrator	training	USN-4	As an admin, I can train the deep learning model with new datasets.	The system allows uploading and training on new datasets.	High	Sprint-3