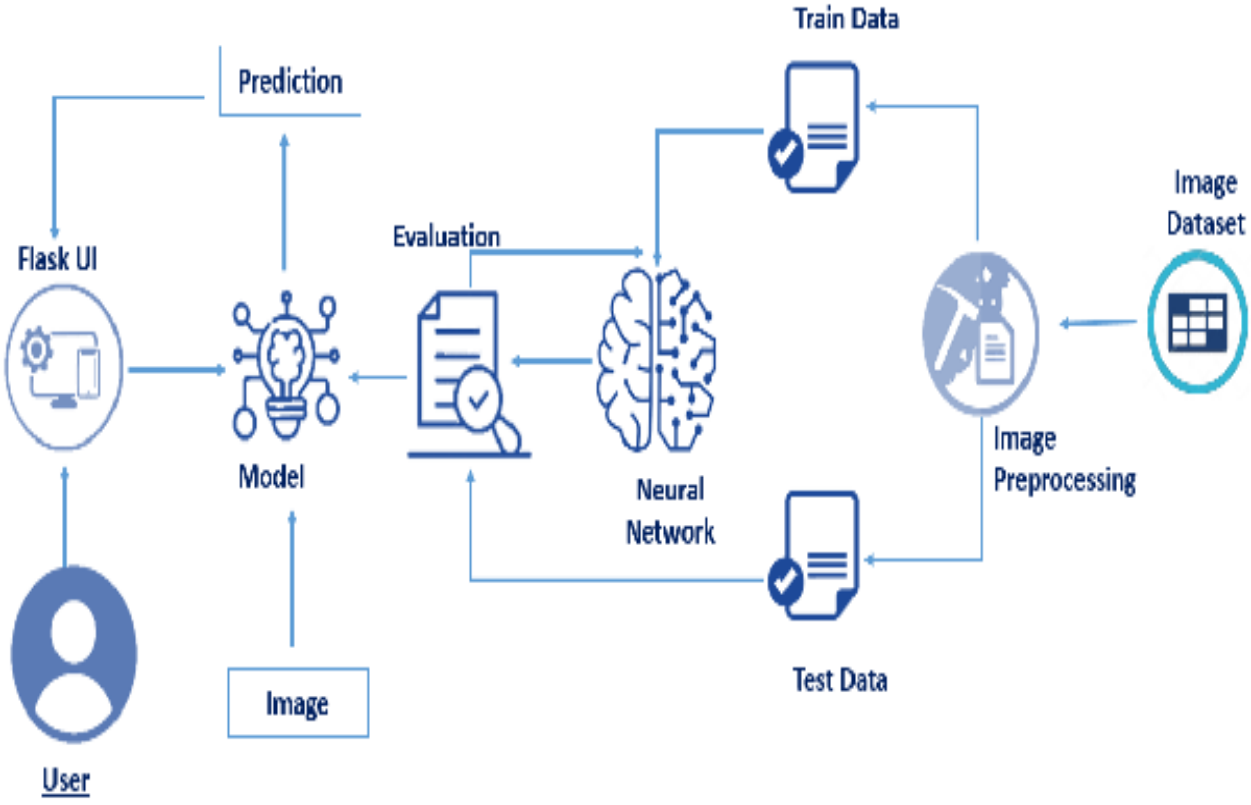
PROJECT DESIGN PHASE I

SOLUTION ARCHITECTURE

Team ID	PNT2022TMID14463
Date	15 October 2022
Project Name	Real Time Communication System Powered By AI For Specially Abled
Maximum Marks	4 Marks



- The development of real time communication system for specially abled is to provide effective communication between the mute people and the normal people.
- Sign Language is the well-structured code, which uses hand gestures instead of sound to convey meaning,Simultaneously combining hand shapes, orientations and movement of the hands.
- Communicative hand glove is an Electronic device that can translate sign language into speech and text in order to make the communication possible between the deaf and/or mute with the general public. This technology has been used in a variety of application areas.
- The project is divided into two parts:
  1) Data acquisition from the flex sensors
  2) Processing the acquired data and giving corresponding output on the screen and speaker. Data acquisition is done using Flex sensors mounted on the Hand glove.
- Next, the analog signals obtained from the flex sensors are converted into digital.
- The digital signals are processed and compared with the predefined values.