Project Design Phase - I
Solution Architecture

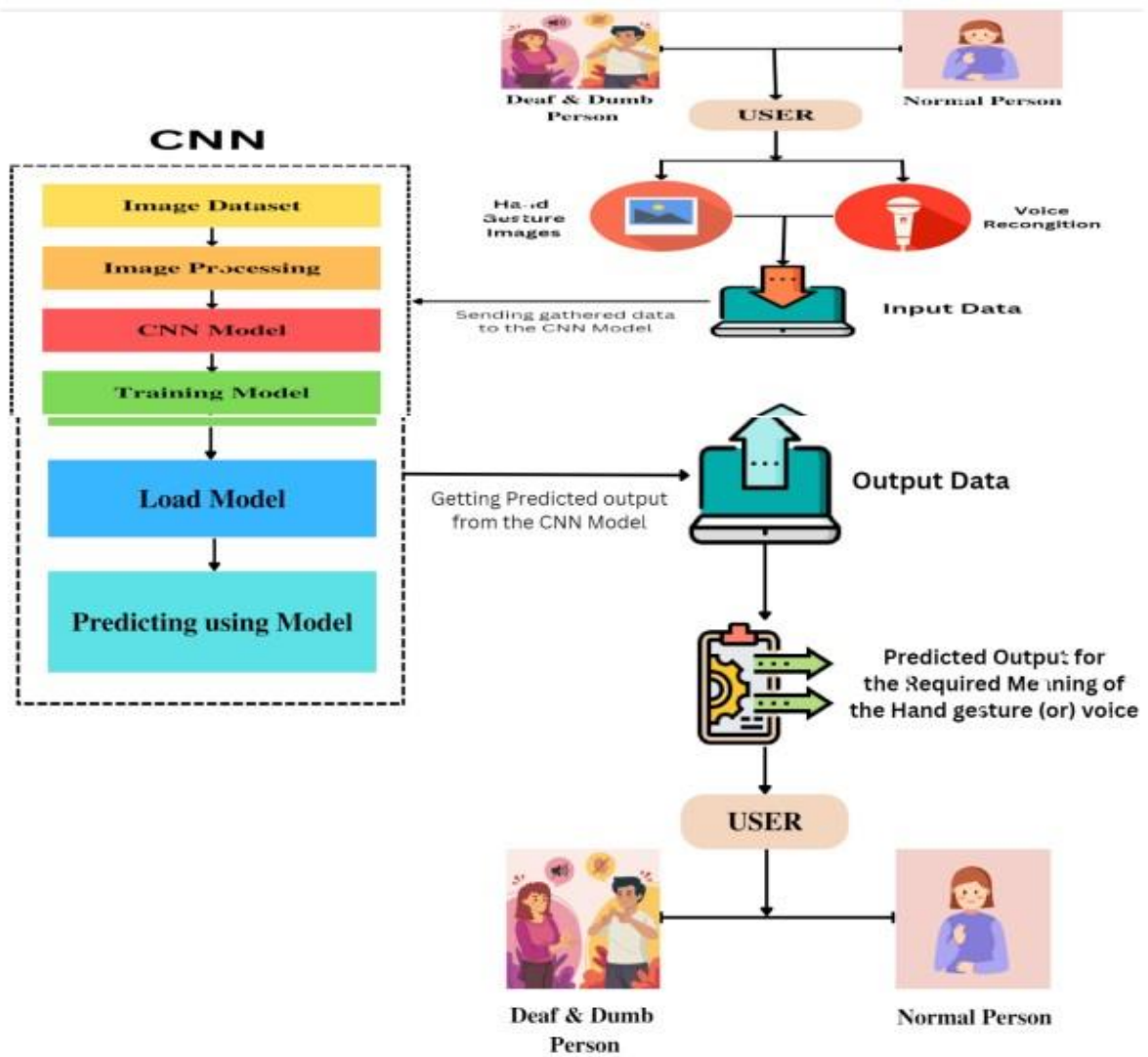| Date	13 NOVENBER 2022
Team ID	PNT2022TMID37625
Project Name	Real Time Communication System Powered By AI For Specially Abled

Solution Architecture:

Solution architecture is a bridge the gap between business problems and technology solutions. Its goals are to:

- The best tech solution to solve existing business problems.
- Describing the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Defined about features, development phases, and solution requirements.
- Provided specifications according to which the solution is defined, managed, and delivered.

Example - Solution Architecture Diagram:

Real Time Communication System Powered By AI For Specially Abled

CNN

Image Dataset → Image Processing → CNN Model → Training Model

Load Model → Predicting using Model

Deaf & Dumb Person

Normal Person

USER

Hand Gesture Images

Voice Recongition

Input Data

Sending gathered data to the CNN Model

Getting Predicted output from the CNN Model

Output Data

Predicted Output for the Required Meaning of the Hand gesture (or) voice

USER

Deaf & Dumb Person

Normal Person

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