

## Project Design Phase-I Solution Architecture

<b>Date</b>	08 November 2022
<b>Team ID</b>	PNT2022TMID27708
<b>Project Name</b>	Real-Time Communication System Powered by AI for Specially Abled
<b>Maximum Marks</b>	4 Marks

### Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.



***SPECIALLY ABLED PERSON***

**COMMUNICATES THROUGH  
SIGN LANGUAGE**



**CAPTURES HAND GUESTURE  
THROUGH CAMERA/WEBCAM**



**DIVIDES THE VIDEO INTO EACH  
FRAME OF HAND GEUSTURES**



**DATASET**



**BUILD AND TRAIN THE MODEL**



**PROCESSING THE IMAGES  
OF EACH FRAME**



**RESULT WILL BE  
DISPLAYED AS**



***NORMAL PERSON***

