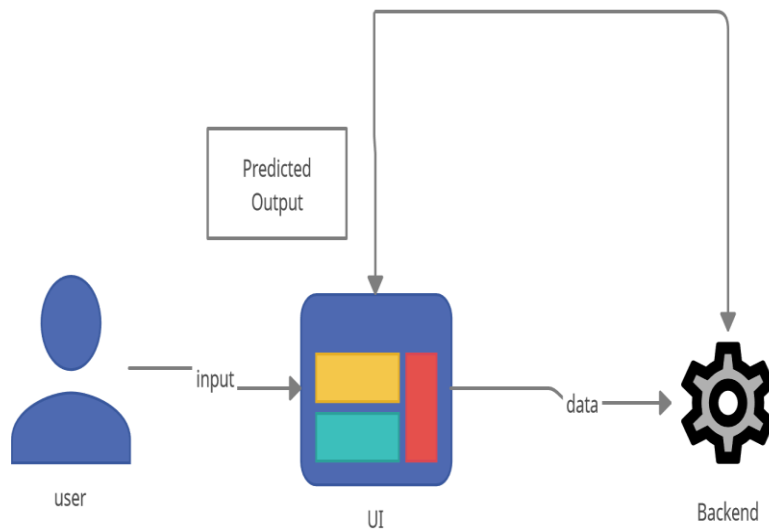


## Project Design Phase-II Technology Stack (Architecture & Stack)

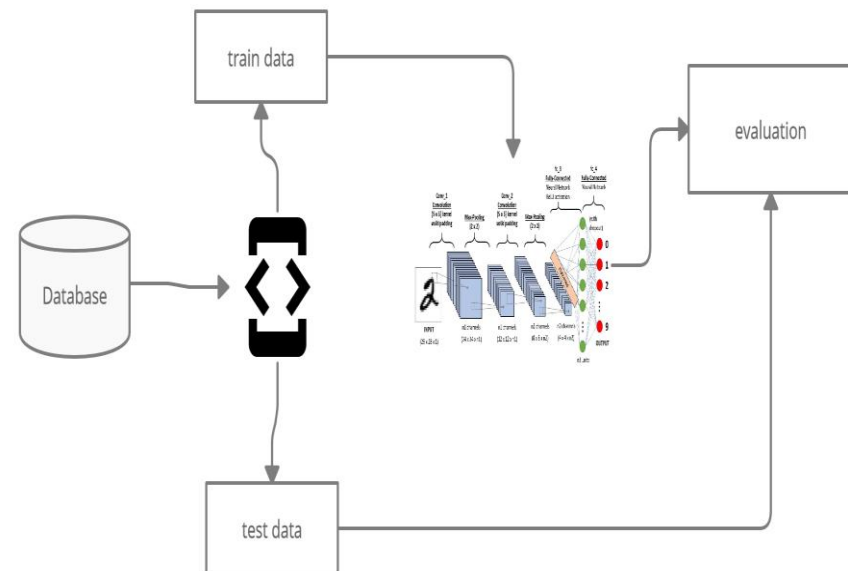
Date	03 October 2022
Team ID	PNT2022TMID24857
Project Name	Project - Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	4 Marks

### Technical Architecture:

The Deliverable as below and the information as per the table1.



**DEPLOYMENT**



**TRAINING AND EVALUATION**

**Table 1:**

**Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc	Flask API
2.	Application Logic-1	Load the dataset	Python flask
3.	Application Logic-2	Deep Learning	Convolutional Neural Network, OpenCV
4.	Application Logic-3	Evaluation	Python
5.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
6.	File Storage	File storage requirements	Local Filesystem
7.	Machine Learning Model	Purpose of Machine Learning Model	Image recognition, Video Processing
8.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration:	Local