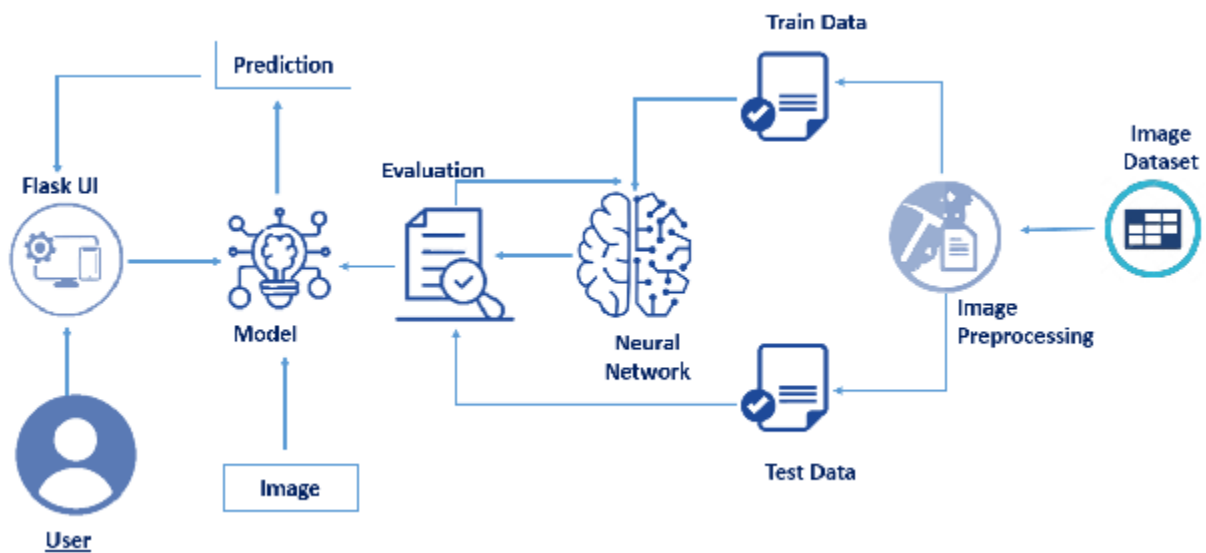


Project design phase II

Technology stack (Architecture & stack)

Date	17 Oct 2022
Team ID	PNT2022TMID51928
Project Name	Real-Time Communication System powered by AI for Specially abled
Maximum Marks	4 marks

Architecture :



Technology stack :

S.No	Component	Description	Technology
1.	Application Logic-1	It deals with variety of frameworks, libraries and supports required to develop the project	Java / Python
2.	Application Logic-2	Helps in converting human voice into written words, in simple it is used to convert speech to text.	IBM Watson STT service
3.	Application logic-3	Provides fast, consistent and accurate answers during the execution phase of the project	IBM Watson Assistant
4.	Database	It can be numerical, categorical or time-series data	MySQL, NoSQL, etc.
5.	Cloud Database	Enables the user to use host database without buying the additional hardware	IBM DB2, IBM Cloudant etc.
6.	File storage	File storage should be highly flexible, scalable and effective	IBM Block Storage or Other Storage Service or Local Filesystem
7.	External API-1	Used to access the information in the cloud	IBM Weather API, etc.
8.	External API-2	Used to access the information for data driven decision making	Aadhar API, etc.
9.	Machine Learning Model	Machine Learning Model deals with various algorithms that are needed for the implementation	Real time communication using AI for specially abled
10.	User Interface	How the user interacts with the application e.g., Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / React Js etc