Project Design Phase-II
Technology Architecture

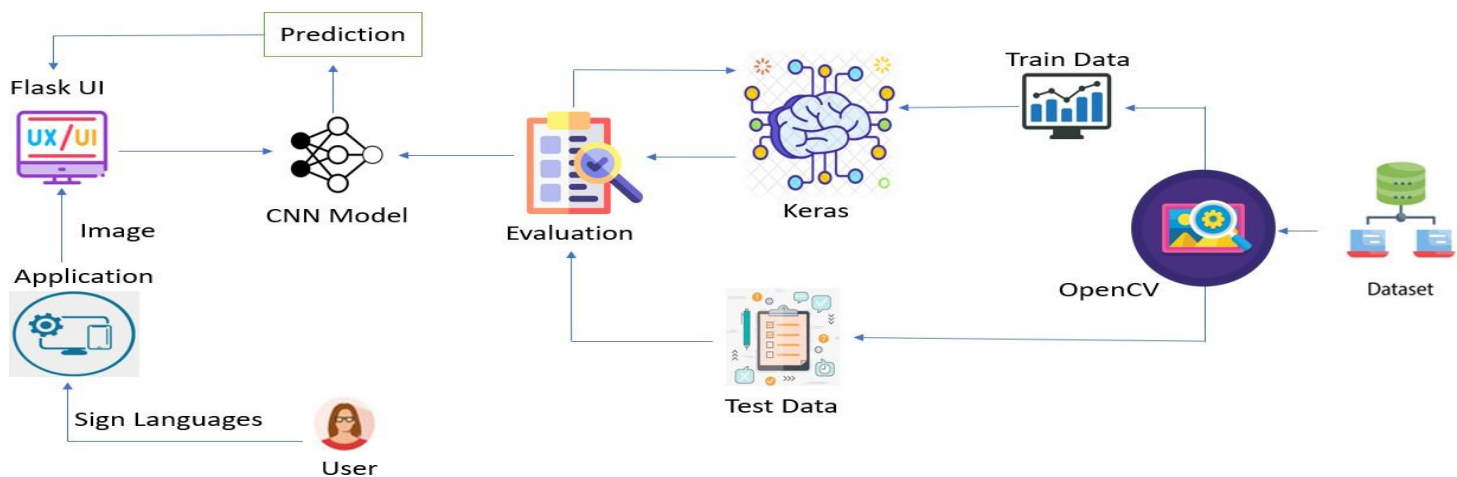| Date	15 October 2022
Team ID	PNT2022TMID10881
Project Name	Real Time Communication Using AI for Specially abled.
Maximum Marks	4 marks

Technology Architecture

TABLE- 1

S.NO	Component	Description	Technology
1.	User Interface	User interacts the application using aweb app	HTML, CSS, JavaScript / Angular Js /React Js etc.
2.	Application Logic	Login to access the application	Java / Python/CNN
3.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
4.	File Storage	Storage of user files of handwritten image	IBM Watson studio, IBM Cloudant DB, IBM Cloud
5.	Deep Learning Model	Deep learning model is used to understand the hand signals and convert it into desired text.	Gesture Recognition Model, etc.
6.	Infrastructure (Server / Cloud)	Application Deployment on Local System / CloudLocal Server Configuration: - Cloud Server Configuration :-	Local, Cloud Foundry, Kubernetes, etc.

TABLE 2

S.No	characteristics	Description	Technology
1.	Open-Source Frameworks	Used to freely access the public code	Angular JS / React JS
2.	Security Implementations	Firewall is implemented	e.g. SHA-256, Encryptions, IAM Controls, OWASP etc.
3.	Availability	The application will be available in all regions	Distributed servers
4.	Performance	Higher efficiency of performance. The application can give response to requestswithin seconds.	Testing.