Project Design Phase-
IITechnologyStack(Architecture&Stack)

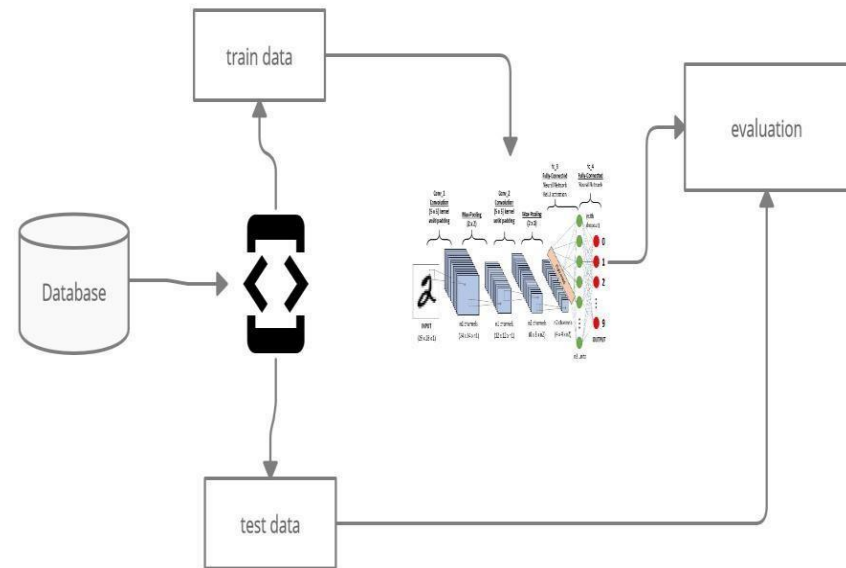| Date	03October2022
TeamID	PNT2022TMID44898
ProjectName	Project-Real-TimeCommunicationSystemPoweredbyAIforSpeciall y Abled
MaximumMarks	4 Marks

TechnicalArchitecture:

TheDeliverableasbelowandtheinformationasperthetable1.
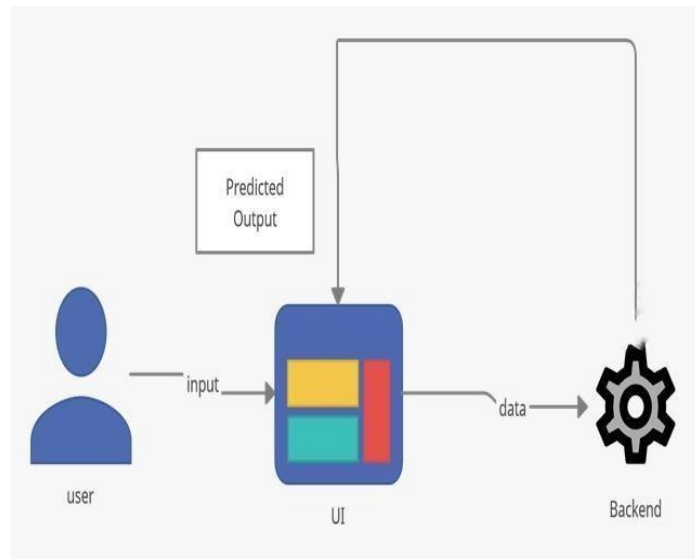
DEPLOYMENT

TRAININGANDEVALUATION

Table1:

Components&Technologies:

S.No	Component	Description	Technology
1.	UserInterface	How user interacts with application e.g.WebUI,MobileApp,Chatbotetc	Flask API
2.	ApplicationLogic-1	Loadthedataset	Pythonflask
3.	ApplicationLogic-2	DeepLearning	ConvolutionalNeuralNetwork, OpenCV
4.	ApplicationLogic-3	Evaluation	Python
5.	CloudDatabase	DatabaseServiceonCloud	IBMDB2,IBMCloudantetc.
6.	FileStorage	Filestoragerequirements	LocalFilesystem
7.	MachineLearning Model	PurposeofMachineLearningModel	Imagerecognition,VideoProcessing
8.	Infrastructure(Server/Cloud)	Application Deployment on Local System / CloudLocalServerConfiguration:	Local