Project Planning Phase
Project Planning (Milestone Activity List)

Date	19 October 2022
Team ID	PNT2022TMID14967
Project Name	Real-Time Communication System Powered By AI for Specially Abled
Maximum Marks	4 Marks

MILESTONE

Pre-Requisites	M-01	To complete this project we should have known the following software concepts and packages such as Keras, Tensorflow, Python, Anaconda, OpenCV, Flask,etc…		Yes
Project Structure	M-02	To builkd a Project Structure which needs to be followed for building Conversation Engine		Yes
Collection of Data	M-03	To collect data for the image Preprocessing,Collection of dataset are divided into Train set and Test set,The two file are compiled separeately and execture for the Traiining and Testing process.		Yes
Image Preprocessing	M-04	Importing the ImageDataGenerator libraries, Applying Image Data Generator Functionality to train set and testset		Yes

Model Building	M-05	Importing the model building libraries, Initializing the model, Adding Convolution layers, Adding the Pooling layers, Adding the Flatten layers, Adding Dense layers, Compiling the model , Fit and Save the model.	Yes
Test the model	M-06	Import the packages and save the model and Load the test image, pre- process it and predict it.	Yes

Application layer	M-07	Build the flask application and the HTML pages.	Yes

Train CNN model	M-08	Register for IBM Cloud and train Image Classification Model	Yes
Ideation Phase	M-09	Preparation of Literature Survey,Information Gathering, empathy map and ideation	Yes
ProjectDesign Phase-I	M-10	Preparation of Proposed solution,Problem-Solution fit and Solution Architecture	Yes
Project Design Phase-II	M-11	Preparation of Customer journey map,Functional requirements,Data flow diagram and Technology stack Architecture	Yes
Project Planning Phase	M-12	Prepare Milestone list , Activity list and Sprint Delivery Plan	Yes
Project Development Phase	M-13	Project Development delivery of Sprint 1, Sprint 2, Sprint 3, Sprint 4	Yes

ACTIVITY LIST

Activity Number	Activity	Sub Activity	Assigned To	Status
1.	**Pre-Requistes**		Thillai Raj, Ejass Mohammed, Aakash, Minish, Harish	Completed
2.	**PROJECT STRUCTURE**	Structure Brainstroming and Preparation	Harish, Ejass Mohammed	Completed
3.	**Collection of Data**	Dataset download structure	Minish, Thillai Raj	Completed

4.	**Image Preprocessi-ng**	Import the ImageDataGene rat or Library and applying ImageDataGene -rator Functionality to train set and testset.	Thillai Raj, Ejass Mohammed, Aakash, Harish	Completed
5.	**Model Building**	Initializing of the model,Adding Convolution layers, Pooling layers,Flatten layers and Dense layers	Thillai Raj, Ejass Mohammed, Aakash, Minish, Harish	Completed

6.	**Test of the Model**	Import the packages and save the model,Load the test image, pre-process it and predict it.	Thillai Raj, Ejass Mohammed, Harish	In progress
7.	**Application Layer**	Build the flask application and the HTML pages.	Thillai Raj, Ejass Mohammed	Completed
8.	**Trainof CNN model in IBM cloud**	Train image classification model and register for IBM cloud.	Ejass Mohammed, Aakash, Harish	In progress
9.	**Ideation Phase**	Literature Review,Emp athy map,Ideation of the project.	Thillai Raj, Ejass Mohammed, Aakash, Minish, Harish	Completed
10.	**Project Design Phase- 1**	Proposed Solution,Pro blem,Solutio -n Fit and Solution Architecture	Thillai Raj, Ejass Mohammed, Minish, Harish	Completed

11.	**Project Design Phase-2**	Customer journey,Functi onal requirement,Data flow Diagrams and Techno –logy stack Architecture.	Thillai Raj, Ejass Mohammed, Aakash, Harish	Completed
12.	**Project Planning Phase**	Milestone preparaton, activity lists and Sprint delivery plan.	Thillai Raj, Ejass Mohammed, Aakash, Minish, Harish	Completed
13.	**Project Development Phase**	Project development-Delivery of Sprint-1. Project development-Delivery of Sprint-2. Project development-Delivery of Sprint-3. Project development-Delivery of Sprint-4.	Thillai Raj, Ejass Mohammed, Aakash, Minish, Harish	In Progress