Project Planning Phase
Project Planning (Milestone Activity List)

Date	19 October 2022
Team ID	PNT2022TMID10864
Project Name	Real-Time Communication System Using 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 Deep Learning ,Python, CNN, Python Flask, IBM Cloudant DB, Watson Studio…	Yes
Project Structure	M-02	To build a Project Structure which needs to be followed for building Conversation Engine	Yes
Collection of Data	M-03	To gather data for picture preprocessing, the dataset collection is split into a train set and a test set. The two files are then separately assembled and put through their paces for the training and testing processes.	Yes
Image Preprocessing	M-04	the ImageDataGenerator libraries are imported, Using the image data generator's functionality with the test set and training set	Yes

Model Building	M-05	Initializing the model, Adding Convolution layers, Adding Pooling layers, Adding Flatten layers, Adding Dense layers, Compiling the model, Fit and Saving the model are the steps..	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 flask application and the HTML pages.	Yes

Train CNN model	M-08	Register 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	Solution architecture, problem-solution fit, and preparation of the proposed solution	Yes
Project Design Phase-II	M-11	Customer journey mapping, functional requirements, data flow diagrams, and technology stack architecture preparation	Yes
Project Planning Phase	M-12	Prepare Milestone list , Activity list and Sprint Delivery Plan	Yes
Project Development Phase	M-13	Delivery of Project Development for Sprints 1, 2, 3, and 4	Yes

ACTIVITY LIST

Activity Number	Activity	Sub Activity	Assigned To	Status
1.	**Pre-Requistes**		Carline Imakulate V Angeline Joy Alex Gowthamy R M Abirami R	Completed
2.	**PROJECT STRUCTURE**	Structure Brainstroming and Preparation	Gowthamy R M Angeline Joy Alex	Completed
3.	**Collection of Data**	Dataset download structure	Carline Imakulate V Abirami R	Completed

4.	**Image Preprocessing**	Import the ImageDataGenerat or Library and applying ImageDataGene-rator Functionality to train set and testset.	Carline Imakulate V Angeline Joy Alex Gowthamy R M Abirami R	Completed
5.	**Model Building**	Initializing of the model,Adding Convolution layers, Pooling layers,Flatten layers and Dense layers	Carline Imakulate V Angeline Joy Alex Gowthamy R M Abirami R	Completed

6.	**Test of the Model**	Import the packages and save the model,Load the test image, pre-process it and predict it.	Gowthamy R M Abirami R	In progress
7.	**Application Layer**	Build the flask application and the HTML pages.	Carline Imakulate V Angeline Joy Alex	In progress
8.	**Train of CNNmodel in IBM cloud**	Train image classification model and register for IBM cloud.	Angeline Joy Alex Abirami R	Completed
9.	**Ideation Phase**	Literature Review,Emp athy map,Ideation of the project.	Carline Imakulate V Angeline Joy Alex Gowthamy R M Abirami R	Completed
10.	**Project Design Phase- 1**	Proposed Solution,Pro blem,Solutio -n Fit and Solution Architecture	Carline Imakulate V Angeline Joy Alex Gowthamy R M Abirami R	Completed

11.	**Project Design Phase-2**	Customer journey,Functi onal requirement,Data flow Diagrams and Techno –logy stack Architecture.	Carline Imakulate V Angeline Joy Alex Gowthamy R M Abirami R	Completed
12.	**Project Planning Phase**	Milestone preparaton, activity lists and Sprint delivery plan.	Carline Imakulate V Angeline Joy Alex Gowthamy R M Abirami R	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.	Carline Imakulate V Angeline Joy Alex Gowthamy R M Abirami R	In Progress