

Project Planning Phase

Project Planning (Milestone Activity List)

Date	20 October 2022
Team ID	PNT2022TMID06858
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 build 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 files are compiled separately and executed for the Training and Testing process.	Yes
Image Preprocessing	M-04	Importing the Image Data Generator libraries, Applying Image Data Generator Functionality to train set and test set	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
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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
Project Design 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	Partially completed

ACTIVITY LIST

Activity Number	Activity	Sub Activity	Assigned To	Status
1.	Pre-Requistes		Kamali, Maheswari, Akshaya Raj, Deepika	Completed
2.	PROJECT STRUCTURE	Structure Brainstorming and Preparation	Kamali, Maheswari, Akshaya Raj, Deepika	Completed
3.	Collection of Data	Dataset download structure	Kamali, Maheswari, Akshaya Raj, Deepika	Completed

4.	Image Preprocessing	Import the Image Data Generate or Library and applying Image Data Generator Functionality to train set and test set.	Kamali, Maheswari, Akshaya Raj, Deepika	Completed
5.	Model Building	Initializing of the model, Adding Convolution layers, Pooling layers, Flatten layers and Dense layers	Kamali, Maheswari, Akshaya Raj, Deepika	Completed

6.	Test of the Model	Import the packages and save the model, Load the test image, pre-process it and predict it.	Kamali, Maheswari, Akshaya Raj, Deepika	In progress
7.	Application Layer	Build the flask application and the HTMLpages.	Kamali, Maheswari, Akshaya Raj, Deepika	Completed
8.	Train of CNN model in IBM cloud	Train image classification model and register for IBM cloud.	Kamali, Maheswari, Akshaya Raj, Deepika	In progress
9.	Ideation Phase	Literature Review, Empathy map, Ideation of the project.	Kamali, Maheswari, Akshaya Raj, Deepika	Completed
10.	Project Design Phase- 1	Proposed Solution, Problem, Solution Fit and Solution Architecture	Kamali, Maheswari, Akshaya Raj, Deepika	Completed

11.	Project Design Phase-2	Customer journey, Functional requirement, Data flowDiagrams and Technology stack Architecture.	Kamali, Maheswari, Akshaya Raj, Deepika	Completed
12.	Project Planning Phase	Milestone preparation, activity lists and Sprint delivery plan.	Kamali, Maheswari, Akshaya Raj, Deepika	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.	Kamali, Maheswari, Akshaya Raj, Deepika	In Progress