Milestone & Activity list

Team ID: PNT2022TMID45469

Real-Time Communication System Powered by AI for Specially Abled

Pre-Requisites

- To complete this project, you must require the following software's, concepts, and packages

- Python Packages

Project Structure

Data Collection

- Create Train and Test folders

Image Preprocessing

- Import the ImageDataGenerator library and Configure it
- Apply ImageDataGenerator Functionality To Train And Test Set

Model Building

- Import the required model-building libraries
    1. Initialize the model
    2. Add the convolution layer
    3. Add the pooling layer
    4. Add the flattened layer
    5. Adding the dense layers
    6. Compile the model
    7. Fit and save the model

Test The Model

- Import the packages and load the saved model.
- Load the image, Pre-Process it and predict

Application Building

- Build a flask application
- Build a flask application part-3
- Build the HTML page
- Output

Train CNN Model On IBM

- Register for IBM Cloud
- Train image classification model

First Milestone

Ideation Phase

- Literature survey on the selected project and information gathering.
- Prepare an empathy map.
- Ideation

Project Design Phase – I

- Proposed solution
- Problem solution fit
- Solution Architecture

Project Design Phase -II

- Customer Journey
- Functional requirement
- Data flow diagrams
- Technology architecture

Project Planning Phase

- Prepare milestone and activity list
- Sprint delivery plan

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