MILESTONE ACTIVITY PLAN

Project Planning Phase
Project Planning Template (Milestone Activity)

Date	5 November 2022
Team ID	PNT2022TMID28071
Project Name	Real-Time Communication System Powered By AI For Specially Abled

Milestone Activity Plan.

Milestone	Function (Epic)	Milestone Story Number	Story / Task
Milestone 1	Data collection	M1	we're collecting dataset for building our project and creating two folders, one for training and another one for testing.
Milestone 2	Image preprocessing	M2	Importing image data generator libraries and applying image data generator functionality to train the test set.
Milestone 3	Model building	M3	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.
Milestone 4	Testing the model	M4	Import the packages first. Then we save the model and Load the test image, preprocess it and predict it.
Milestone 5	Application layer	M5	Build the flask application and the HTML pages.
Milestone 6	Train CNN model	M6	Register for IBM Cloud and train Image Classification Model.
Milestone 7	Final result	M7	To ensure all the activities and resulting the final output.

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Technology Used

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Technology Used → MySQL & NoSQL → JAVA & PYTHON → Machine Learning, CNN & RNN
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Real Time Communication System Powered by AI for Specially Abled

Activity	Description
Data Collection	Collecting dataset for building project
Image preprocessing	Importing the image libraries
Model Building	Importing the model building libraries
Testing the model	Load the test model image, preprocessing and predict it.
Application layer	Building flask application
Train CNN model	Register for train image classification
Final Result	Ensure all activities & getting final output