

## Project Planning Phase

### Milestone and Activity List

Date	22 October 2022
Team ID	PNT2022TMID06911
Project Name	Real time communication system powered by AI for specially abled

### Milestone and Activity List:

S.No	Milestone	Activities	Team Members
1.	Data Collection	Create Train and Test Folders	Aruna P Binushya Prakash E Deepashree S
2.	Image Preprocessing	Import ImageDataGenerator Library and Configure it	Aruna P Dhanuja A Binushya Prakash E Deepashree S
3.	Image Preprocessing	Apply ImageDataGenerat or functionality to Train and Test set	Aruna P Dhanuja A Deepashree S
4.	Model Building	Import the required model building libraries	Aruna P Binushya Prakash E
5.	Model Building	Initialize the model	Deepashree S Dhanuja A Aruna P
6.	Model Building	Add the convolution layer	Binushya Prakash E Dhanuja A
7.	Model Building	Add the pooling layer	Aruna P Deepashree S
8.	Model Building	Add the flatten layer	Aruna P Dhanuja A
9.	Model Building	Adding the dense layers	Binushya Prakash E Deepashree S Dhanuja A
10.	Model Building	Compile the model	Deepashree S Dhanuja A
11.	Model Building	Fit and save the model	Aruna P Deepashree S Dhanuja A

12	Test the Model	Import the packages and load the saved models	Aruna P Deepashree S Dhanuja A Binushya Prakash E
13.	Test the model	Load the test image, pre- process it and predict	Aruna P Deepashree S Dhanuja A Binushya Prakash E
14.	Application Building	Build a flask application	Aruna P Deepashree S Dhanuja A Binushya Prakash E
15.	Application Building	Build the HTML page	Aruna P Deepashree S Dhanuja A Binushya Prakash E
16.	Application Building	Output	Aruna P Deepashree S Dhanuja A Binushya Prakash E
17.	Train CNN Model on IBM	Register for IBM Cloud	Aruna P Deepashree S Dhanuja A Binushya Prakash E
18.	Train CNN Model on IBM	Train Image Classification Model	Aruna P Deepashree S Dhanuja A Binushya Prakash E