SPRINT- 1

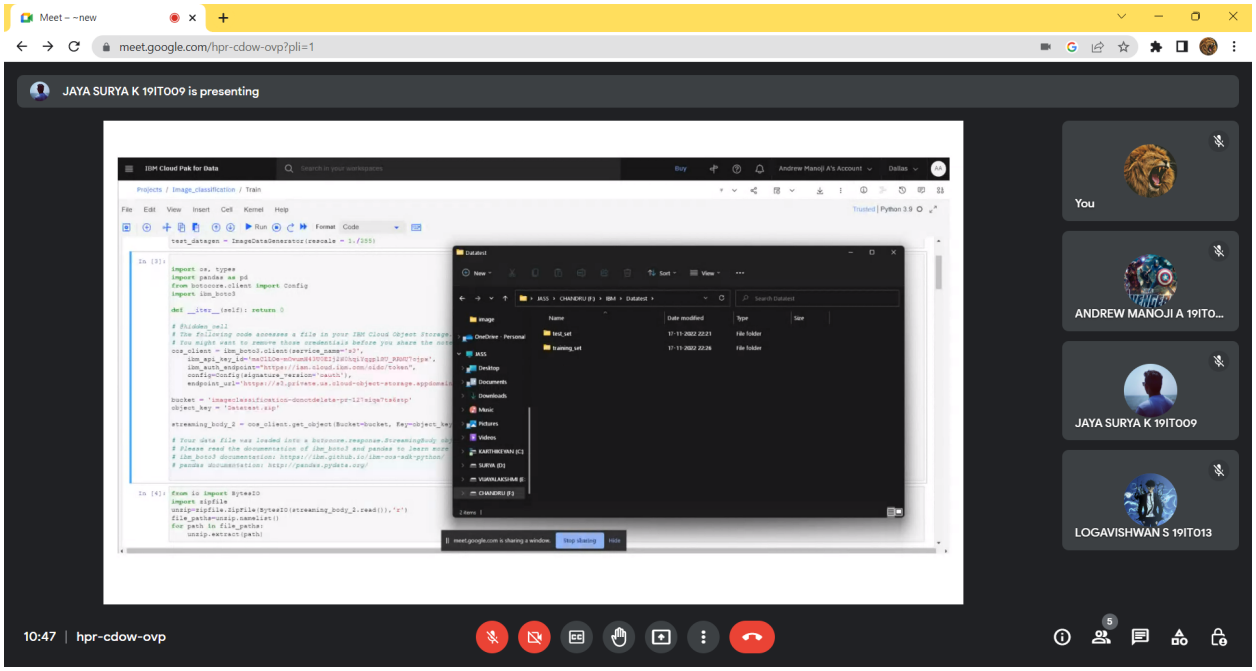
TEAM ID	PNT2022TMID27588
PROJECT NAME	Real-Time Communication System Powered by AI for Specially Abled
DATE OF THE MEETING	26 -10-2022, 27-10-2022

MINUTES OF THE MEETING:

MEET - 1 & 2

- The process of data collection was discussed and procedure was implemented in the local system.
- The training images were tested and verified.
- The image processing procedure was detailly examined and discussed .
- The required python modules were installed and issues in the model were rectified .

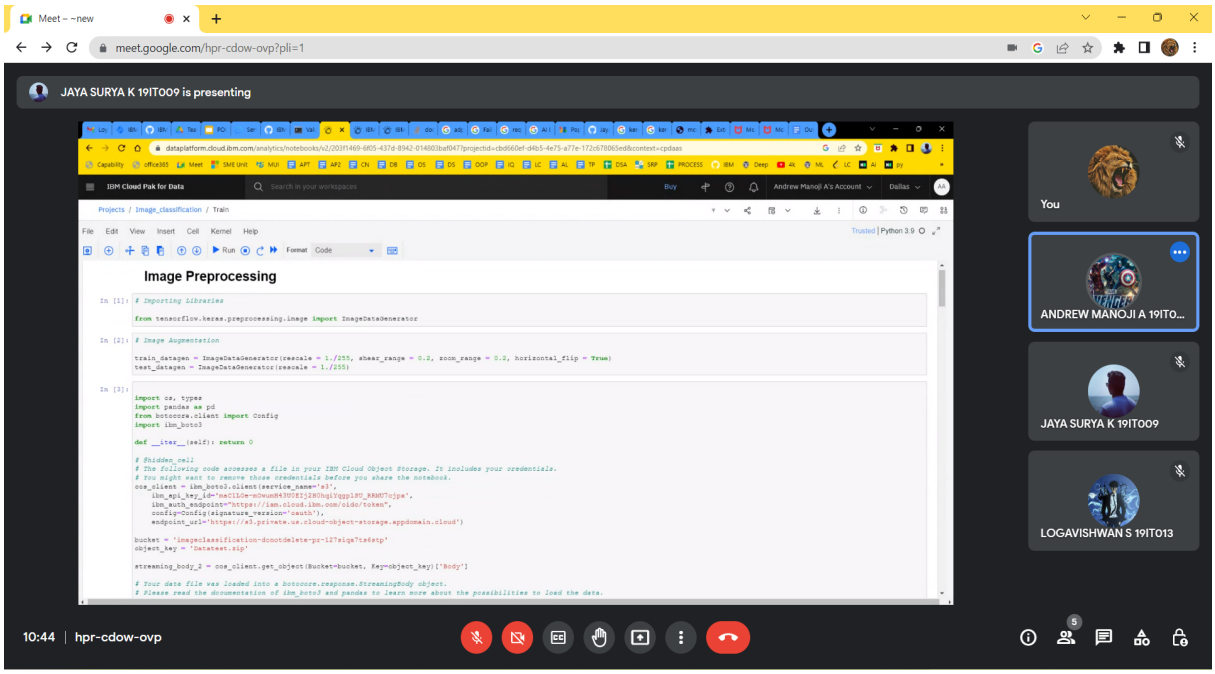
Data collection:



MEET - 3 & 4

- The image processing process was discussed and explained to everyone what we have understood.
- The tutorial was reviewed and the processed step by step to execution.
- Few issues in installing the python packages were discussed and solved refering some stackoverflow suggestions.

Image preprocessing:



SPRINT– 2

TEAM ID	PNT2022TMID27588
PROJECT NAME	Real-Time Communication System Powered by AI for Specially Abled
DATES OF THE MEETING	02-11-2022, 03-11-2022

MINUTES OF THE MEETING:

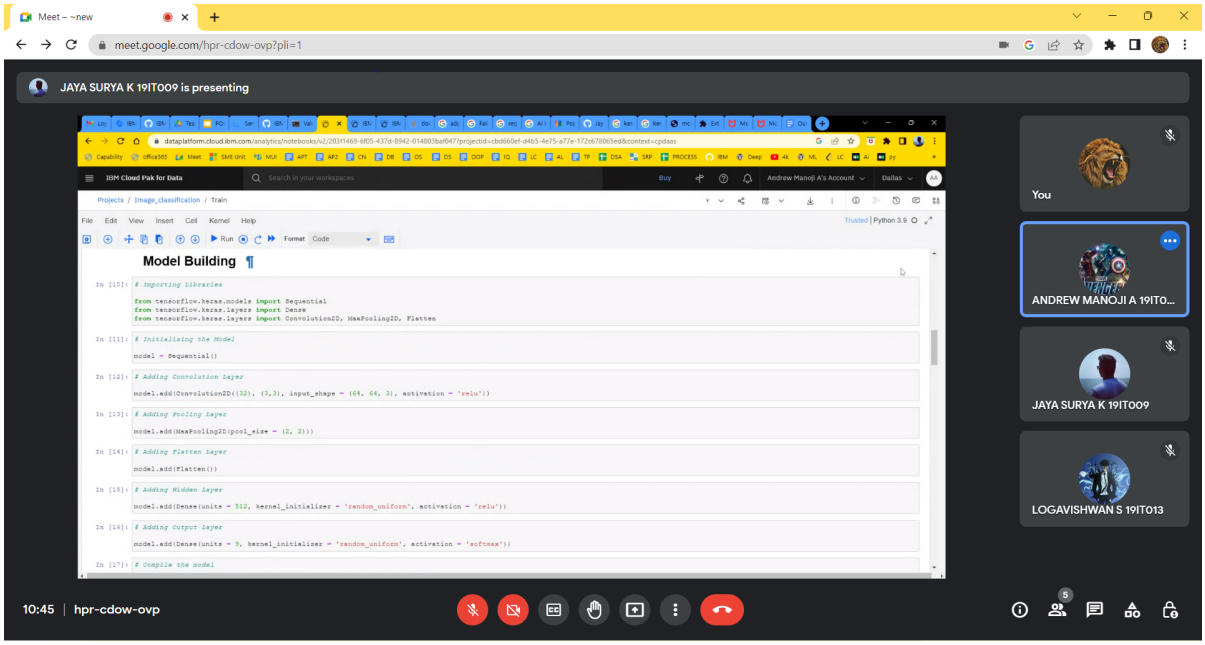
MEET - 5 & 6

- The steps were followed exactly to setup an account IBM cloud.
- The registration of IBM cloud account was done and the password setting issue was cleared for everyone.
- The model building of the module was discussed and implemented in the Ibm cloud.

MEET - 7 & 8

- The required packages were installed and imported .
- The issues in installation of packages were cleared.
- The dataset was imported in Ibm cloud and it was unzipped using python code.
- The model was trained using the given training images in the dataset.

Model Building and training:



SPRINT– 3

TEAM ID	PNT2022TMID27588
PROJECT NAME	Real-Time Communication System Powered by AI for Specially Abled
DATE OF THE MEETING	7-11-2022, 8-11-2022

MINUTES OF THE MEETING:

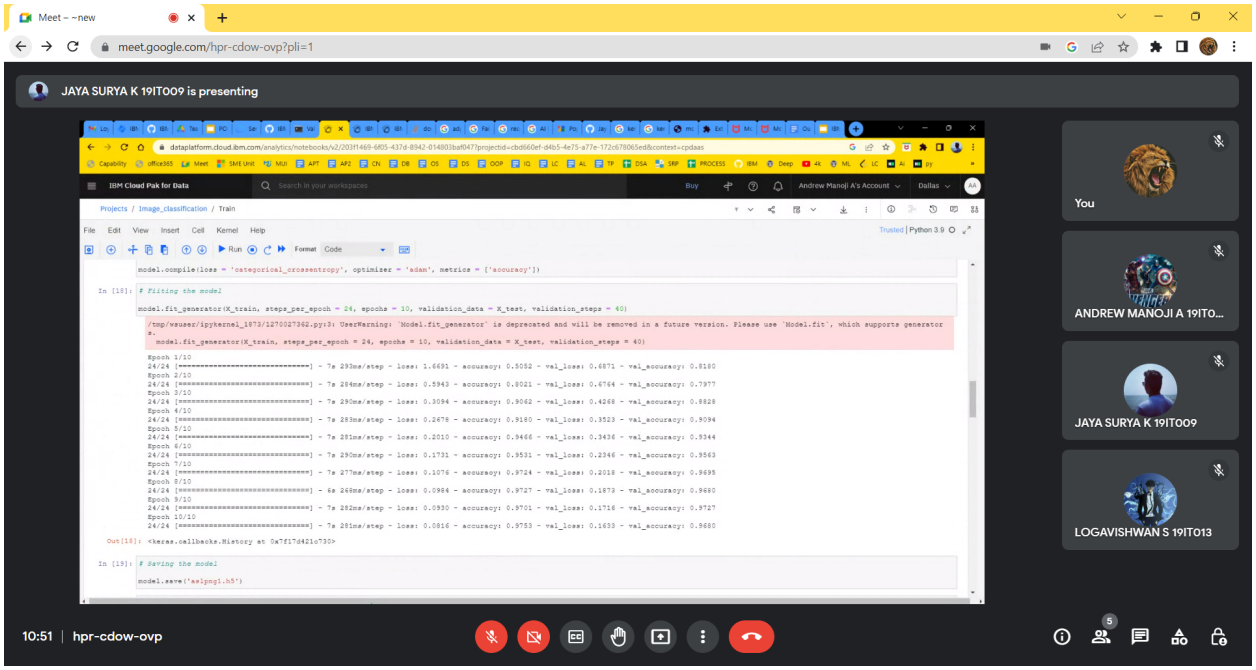
MEET - 9 & 10

- The model trained in the earlier sprint was saved and loaded using the model.load() function.
- The training of the Machine learning model was made to some amount of epoch to have better accuracy.
- AAll the RAM utilization problems were discussed and solved with the reference of few youtube videos.

MEET - 11 & 12

- The loaded model was tested using the sample images provided in the testset of the dataset packages.
- The errors in the testing model were rectified and the correctness of the model was improved.

Training and testing:



SPRINT– 4

TEAM ID	PNT2022TMID27588
PROJECT NAME	Real-Time Communication System Powered by AI for Specially Abled
DATE OF THE MEETING	14-11-2022, 15-11-2022

MINUTES OF THE MEETING:

MEET - 13 & 14

- The train and test model was integrated with an HTML page with Flask application.
- The flask application development was discussed and done with video reference provided in the Ibm cloud.

MEET - 15 & 16

- The API routes were built in the flask application and the python code for the opencv module was built under the prediction route.
- The model was loaded and it was made to read the real time human signals with the help of opencv2 and keras.
- The output was then tested and verified.

Implementation of the application: