

# SPRINT- 1

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

## MINUTES OF THE MEETING:

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

## Data collection:

The screenshot shows a Google Meet interface. At the top, a browser tab is open to 'meet.google.com/hpr-cdow-ovp?pli=1'. The main window displays a presentation by 'JAYA SURYA K 191T009'. The presentation content includes a Jupyter Notebook titled 'IBM Cloud Pak for Data' with Python code for data collection and processing. The code involves importing libraries like 'os', 'types', 'pickle', 'urllib', 'requests', 'ibmcloud\_object\_storage', and 'ibmcloud\_object\_storage\_client'. It also shows a file explorer window with a directory structure including 'images', 'test\_set', and 'training\_set'. The bottom of the screen shows the Google Meet controls, including a timer at 10:47 and a meeting ID 'hpr-cdow-ovp'.

# Image preprocessing:

Meet - new

meet.google.com/hpr-cdow-ovp?pli=1

JAYA SURYA K 191T009 is presenting

Projects / Image\_classification / Train

File Edit View Insert Cell Kernel Help Trusted Python 3.9

### Image Preprocessing

```
In [1]: # Importing Libraries
from tensorflow.keras.preprocessing.image import ImageDataGenerator

In [2]: # Image Augmentation
train_datagen = ImageDataGenerator(rescale = 1./255, shear_range = 0.2, zoom_range = 0.2, horizontal_flip = True)
test_datagen = ImageDataGenerator(rescale = 1./255)

In [3]:
import os, types
import pandas as pd
from h2oai.client import Config
import urllib3

def __tree__(val): return 0

# README.md
# The following code accesses a file in your IBM Cloud Object Storage. It includes your credentials.
# You might want to remove these credentials before you share the notebook.
os_client = os_client.client(username='api',
                             ibm_api_key_id='mc11c6-e70uak30181280hg1ggp180_RAM077i9pw',
                             ibm_auth_endpoint='https://iam.cloud.ibm.com/oidc/token',
                             config=Config(signature_version='oauth')),
                             endpoint_url='https://api.private-us.cloud-object-storage.appdomain.cloud')

bucket = 'imageclassification-donordata-pr-127a1g7adap'
object_key = 'dataset.zip'

streaming_body_2 = os_client.get_object(bucket=bucket, key=object_key)['body']

# Your data file was loaded into a h2oai.response.StreamingBody object.
# Please read the documentation of ibm_botoc and pandas to learn more about the possibilities to load the data.
```

10:44 | hpr-cdow-ovp

You

ANDREW MANOJ A 191T009

JAYA SURYA K 191T009

LOGAVISHWAN S 191T013