

## SPRINT 4

### TRAIN CNN MODEL ON IBM

Date	19 november 2022
Team ID	PNT2022TMID48153
Project Name	Emerging methods for early detection of forest fire

The image contains two vertically stacked screenshots of the IBM Cloud Storage interface, specifically the Cloud Object Storage service.

**Screenshot 1 (Top):** Shows the 'emergingmethodsforearlydetectiono-donotdelete...' bucket. A file named 'code\_1\_(.68R.ipynb' has been uploaded, showing a size of 172.8 KB and a last modified date of 2022-11-18 3:23 PM. The interface includes a search bar, navigation tabs (Catalog, Manage, Details), and an 'Actions...' dropdown.

**Screenshot 2 (Bottom):** Shows the same bucket after the upload. The file 'code\_1\_(.68R.ipynb' is now listed with a size of 172.8 KB and a last modified date of 2022-11-18 3:23 PM. The interface includes a search bar, navigation tabs (Catalog, Manage, Details), and an 'Actions...' dropdown.

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Projects / Emerging Methods For Early Dete... / code\_1 (1)

File Edit View Insert Cell Kernel Help

Not Trusted | Python 3.9

```
In [1]: from google.colab import drive
drive.mount('/content/drive')

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).
```

```
In [2]: !pip install tensorflow
!pip install opencv-python
!pip install opencv-contrib-python
import tensorflow as tf
import numpy as np
from tensorflow import keras
import os
import cv2
from tensorflow.keras.preprocessing.image import ImageDataGenerator
from tensorflow.keras.preprocessing import image
import matplotlib.pyplot as plt

Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Requirement already satisfied: tensorflow in /usr/local/lib/python3.7/dist-packages (2.9.2)
Requirement already satisfied: absl-py>=1.0.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow) (1.3.0)
Requirement already satisfied: termcolor>=1.1.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow) (2.1.0)
```

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