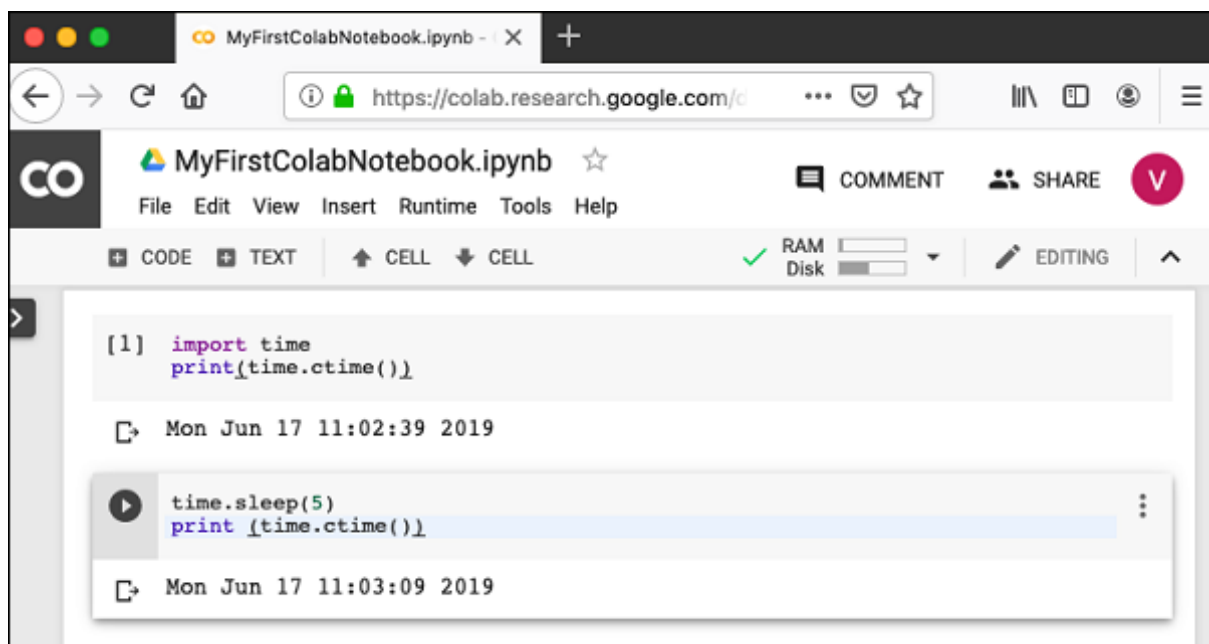


## PREREQUISITIES

Team ID : PNT2022TMID17938

Project Name: Trip based modeling of fuel consumption in modern fleet vehicles using machine learning.

## GOOGLE COLAB



Colab is a free Jupyter notebook environment that runs entirely in the cloud. Most importantly, it does not require a setup and the notebooks that you create can be simultaneously edited by your team members - just the way you edit documents in Google Docs. Colab supports many popular machine learning libraries which can be easily loaded in your notebook.

# PACKAGE INSTALLATION

```
Anaconda Prompt (Anaconda3)

(base) C:\Users\acer>python
Python 3.9.12 (main, Apr  4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import numpy
>>> import pandas
>>> import matplotlib
>>> import seaborn
>>> import tensorflow as tf
2022-11-03 00:11:13.502140: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cudart64_110.dll'; dlderror: cudart64_110.dll not found
2022-11-03 00:11:13.502243: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore above cudart dlerror if you do not have a GPU set up on your machine.
>>> import tensorflow
>>> import keras
>>> import cv2
>>> import flask
>>> quit()

(base) C:\Users\acer>
```

# IBM WATSON MACHINE LEARNING

The screenshot displays the IBM Cloud console interface. At the top, the navigation bar includes the IBM Cloud logo, a search icon, and links for Catalog, Manage, and a user profile. The main content area is titled 'Resource list / Watson Machine Learning-ep' and shows a resource that is 'Active'. A sidebar on the left contains links for 'Manage', 'Plan', and 'Connections'. The central panel features the 'Watson Machine Learning in Cloud Pak for Data' logo and a descriptive paragraph: 'Use Watson Machine Learning on Cloud Pak for Data to put AI models to work. Deploy, monitor, and update models to get the insights you need from your data modeling.' Below this text is a blue button labeled 'Launch in IBM Cloud Pak for Data'. To the right, a 3D isometric diagram illustrates the architecture, showing 'IBM Watson Machine Learning in Cloud Pak for Data' as a layer on top of 'IBM Cloud Pak for Data Unifying platform', which sits on 'IBM Cloud Base cloud infrastructure'. A status bar at the bottom left indicates 'Waiting for cloud.ibm.com...'.