**Readme file to execute Inception v3 model**

## There are 2 ways to run the code in your system.

### USING TENSORFLOW GPU(If want to use GPU to train):

Tensorflow-GPU is not available in latest versions of python so we can create a virtual environment.

I have used the anaconda tool to run my code. In order to reproduce the same configuration(Windows 11):

1. Install Anaconda in your system.
2. Open Anaconda Prompt.
3. conda create --name <any\_env\_name> python=3.9
4. You can deactivate and activate it with the following commands.
   1. conda deactivate
   2. conda activate <any\_env\_name>
5. Then install the CUDA, cuDNN with conda.
   1. conda install -c conda-forge cudatoolkit=11.2 cudnn=8.1.0
6. pip install - - upgrade pip
7. # Anything above 2.10 is not supported on the GPU on Windows Native
   1. pip install "tensorflow<2.11"
8. Check your installation of GPU using the command
   1. python -c "import tensorflow as tf; print(tf.config.list\_physical\_devices('GPU'))"
9. Next, follow the steps in the next section(Without GPU)

WITHOUT GPU:

1. Navigate to the directory with the file.
2. Install the necessary import libraries into your system using pip(Note: for users using GPU, you need to install the libraries in the anaconda prompt instead of normal terminal after activating the virtual environment).
3. Run the cells in the ipynb file.