**TRAINING MODEL**

Plotted the Accuracy and Loss Graph Using Matplotlib.pyplot

Model Is Saved to Disk In h5 format having the name mask\_detector.model

On Running the Program Training Of Model Begins

Loop over all layers in the base model and freeze them Followed by Compilation of Model

Input is Base Model Output is Head Model

Loaded the Mobil Net V2 Model and Created Head and Base Models

Constructed the training image generator which used batches of tensor image data with real-time data augmentation

Initialized the Initial Learning Rate

Converted Binary to Numpy Arrays As Deep Learning Model Works On Numpy Arrays

Converting Data into Binary Numbers Using LabelBinarizer from sklearn.preprocessing

Appending Array in Data List

Converted Image to Array Using Tensor Flow Followed By preprocessing

Entered Directory Address and Created 2 Categories

Imported All Required Libraries

Downloaded Dataset from Kaggle