**Instructions for Running the Project**

**For running the Web application**

1. Install Anaconda from [www.anaconda.com](http://www.anaconda.com)
2. Open Anaconda Prompt; Change the directory to the location where the requirements.txt file is present.
3. Run the command “pip install –r requirements.txt”
4. Run the command “pip install tensorflow”
5. Run the command “pip install opencv-python”
6. From Anaconda Navigator, open Jupyter lab.
7. Open “INtelligent image classifier app” folder in the Jupyter notebook and check if any changes have to be made in the paths.
8. Open Command Prompt.
9. Change the directory to “INtelligent image classifier app” folder.
10. Run the command “streamlit run app.py”
11. Click on browse to browse an image.

**For running the Mobile application**

1. Install the latest version of the android studio from <https://developer.android.com/studio>
2. The mobile phone must have the android os only.
3. Run the mobile phone on developer’s mode.
4. Sync your mobile to the Android Studio Environment. Use a USB cable to connect the mobile to the Computer.
5. Open Android studio.
6. Go to file -> open project -> choose the file named “IntelligentImageClassifier” from the zip folder.
7. Sync the gradle and run the project
8. The mobile app must run now on the mobile phone.

**Since the creation of model takes about a few hours for execution, the model is executed and saved. Yet, if the user wants to run execute the model from scratch, then:**

1. Open JupyterLab from Anaconda Navigator.
2. Navigate to “Untitled.ipynb” from the JupyterLab.
3. The main changes in the code includes: Path given for reading the dataset, Path given for storing the final data set. So change the paths accordingly by referring to the code.
4. Run each and every cell and check the output for each and every cell.
5. Rectify the errors if any.