Prerequisites

Date	22 October 2022
Team ID	PNT2022TMID52879
Project Name	Classification Of Arrhythmia By Using Deep Learning With 2-D ECG Spectral Image Representation

Anaconda Navigator and all the packages required are installed by all the team members. Softwarerequirements are satisfied.

Anaconda Navigator Installation
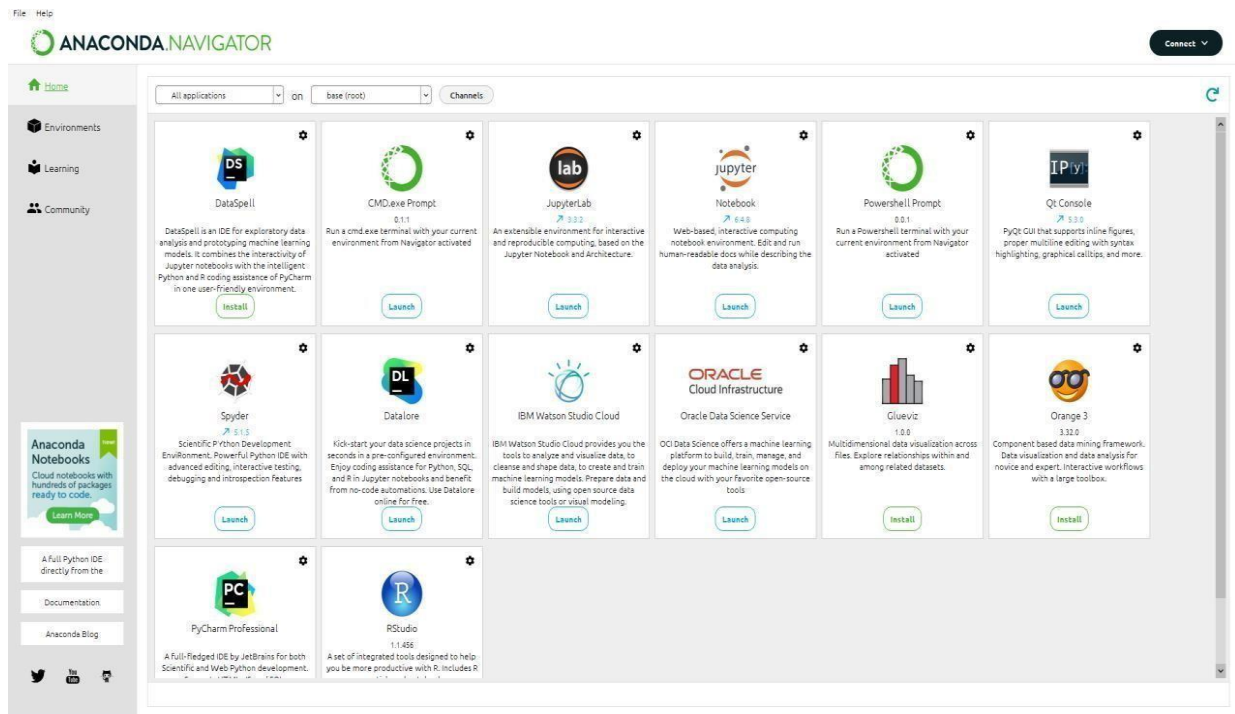
Anaconda Navigator is a free and open-source distribution of the Python and R programming languages for data science and machine learning related applications. It can be installedon Windows, Linux, and macOS. Conda is an open-source, cross-platform, package management system. Anaconda comes with so very nice tools like JupyterLab, Jupyter Notebook, QtConsole, Spyder, Glueviz, Orange, Rstudio, Visual Studio Code. For this project, we will be using Jupiter notebook and spyder.

Packages Installation

Packages installed are:

1. Pandas   5. Tensorflow

2. Numpy   6. Keras

3. Matplotlib   7. Opencv

4. Seaborn   8. Flask

```
Anaconda Prompt (Anaconda3)                                                                    –  ☐  X

(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'; dlerror: 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>
```

Jupyter Notebook