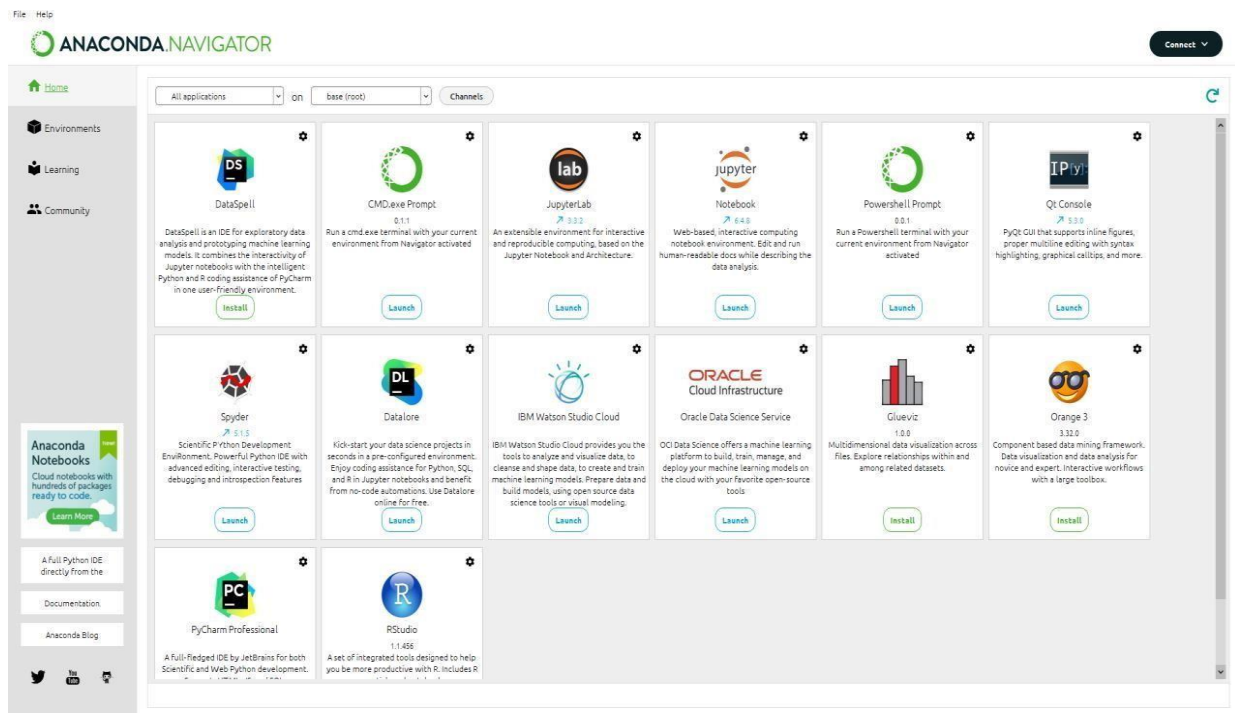# Prerequisite

Date: 12-11-2022

Team id: PNT2022TMID21878

Project Name: A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

Anaconda Navigator

All team members install Anaconda Navigator and all necessary packages. The prerequisites for the software are met.

For applications relating to data science and machine learning, Anaconda Navigator is a free and open-source distribution of the Python and R programming languages. It can be set up on Linux, macOS, and Windows. A cross-platform, open-source package management system is called Conda. JupyterLab, Jupyter Notebook, QtConsole, Spyder, Glueviz, Orange, Rstudio, and Visual Studio Code are just a few of the excellent tools that come with Anaconda. Jupiter notebook and Spyder will be the tools we use for this project.

Package Installation

Packages installed are:

1. Pandas

2. Numpy

3. Matplotlib

4. Seaborn

5. Tensorflow

6. Keras

7. Opencv

8. Flask

```
(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