

PRE- REQUISITES

Date	21 October 2022
Team ID	PNT2022TMID07498
Project Name	Web Phishing Detection
Maximum Marks	2 Marks

In order to develop this project we need to install the following packages/software:

STEP 1:

ANACONDA NAVIGATOR:

Anaconda distribution is a free and open source platform for python and R programming languages. It can be installed on any OS such as windows, linux, and MAC OS. Anaconda navigator is a desktop graphical user interface (GUI) included in Anaconda distribution that allows you to launch applications and manage conda packages, environment and channels without using command line interface (CLI) commands. Anaconda distribution provides installation of python with various IDE's such as jupyter notebook, Anaconda prompt, spyder, etc..

For this project we will be using **Jupyter Notebook and spyder**

To install Anaconda navigator and to know how to use Jupyter Notebook & spyder using Anaconda see the below process

STEP1: DOWNLOAD ANACONDA PYTHON

- ☐ To download Anaconda in your system firstly open your browser and type download Anaconda python, and then click on the first link as it shows below. Alternatively, you can directly download it by clicking on this link, <https://www.anaconda.com/distribution/#download-section>

STEP 2: DOWNLOADING ANACONDA AS PER YOUR OS TYPE


- ☐ Since, Anaconda is available for windows, Linux and Mac OS hence you can download it as per your OS type by clicking on available options. After

clicking on the download option , it will start downloading on your computer.

STEP 3: INSTALL ANACONDA PYTHON

- ☐ Once the downloading process gets completed, go to downloads → double click on the “.exe” file (**Anaconda3-2019.03-Windows-x86_64.exe**) of Anaconda .It will open a setup window for Anaconda installations, then click on Next.
- ☐ It will open a license agreement window, click on the “**I Agree**” option and move further.
- ☐ Now select the second option, and click on **install**. Once the installation gets complete, click on **Next**.
- ☐ Now installation is completed, tick the checkbox if you want to learn more about Anaconda and Anaconda cloud. Click on **Finish** to end the process.

STEP 4: OPEN ANACONDA NAVIGATOR

- ☐ After successful installation of Anaconda, use Anaconda navigator to launch a Python IDE such as **Spyder** and **Jupyter Notebook**
- ☐ To open Anaconda Navigator, click on window Key  and search for Anaconda navigator, and click on it.
- ☐ After opening the navigator, launch the Spyder IDE by clicking on the **Launch** button given below the **Spyder**. It will install the Spyder IDE in your system.
- ☐ As the same process, open the navigator, launch the jupyter notebook by clicking on the Launch button given below the **Jupyter**.It will install the jupyter IDE in your system.

STEP 2:

To build machine learning models you must require the following packages

SKLEARN:Scikit-learn (Sklern) is the most useful and robust library for machine learning in Python. It provides a selection of efficient tools for machine learning and statistical modeling including classification, regression, clustering and dimensionality reduction via a consistent interface in Python.

PANDAS:Pandas is defined as an open-source library that provides high-performance data manipulation in Python.

NUMPY:NumPy is a very popular python library for large multi-dimensional array and matrix processing, with the help of a large collection of high-level mathematical functions.

MATPLOTLIB:Matplotlib is one of the plotting library in python which is however widely in use for machine learning application with its numerical mathematics extension.

FLASK:Flask is a Python-based micro framework used for developing small-scale websites.

If you are using anaconda navigator, follow below steps to download required packages:

STEP 1: Open Anaconda prompt

STEP 2: Type “**pip install numpy**” and click enter.

STEP 3:Type “**pip install pandas**” and click enter.

STEP 4:Type “**pip install matplotlib**” and click enter.

STEP 5: Type “**pip install scikit-learn**” and click enter.

STEP 6:Type “**pip install flask**” and click enter.

If you are using Pycharm IDE, you can install the packages through the command prompt and follow the same syntax as above.

