Prerequisites

Date	14 November 2022
Team ID	PNT2022TMID02072
Project Name	AI-powered nutrition analyzer for fitness enthusiasts
Maximum Marks	

Prerequisites

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

- Anaconda Navigator

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 installed on Windows, Linux, and macOS. Conda is an open-source, cross-platform, package management system. Anaconda comes with great tools like Jupyter Lab, Jupyter Notebook, QtConsole, Spyder, Glueviz, Orange, Rstudio, Visual Studio Code.

For this project, we will be using a Jupyter notebook and Spyder

- Flask - Web framework used for building Web applications.

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

Open anaconda prompt as administrator

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

   Web framework used for building Web applications
- Python packages:
    - open anaconda prompt as administrator

    - Type "pip install numpy" and click enter.

    - Type "pip install pandas" and click enter.
    - Type "pip install scikit-learn" and click enter.
    - Type "pip install tensorflow==2.3.0" and click enter.
    - Type "pip install keras==2.4.0" and click enter.
    - Type "pip install Flask" and click enter.

- Deep Learning Concepts .
- Convolution Neural Networks :
  A convolutional neural network is a deep neural network, most commonly applied to analyzing visual imagery