# EXECUTION PROCEDURE

* Software requirements:
* Language - Python
* Frameworks: TensorFlow, keras,Numpy,Pandas,Matplotlib,MaskRcnn.
* IDE: Jupyter notebook or Visual Studio
* Hardware requirements:
* OS: Windows 10
* RAM: 8GB or more
* HARD DISK: Minimum Of 100GB Storage
* Script Files
* MaskRCNN(Folder of all packages and requirements)
* Food.py(Python file containing all the methods used)
* Image\_based\_food\_calorie\_estimation.ipynb(Executable file)

Open the Image\_based\_food\_calorie\_estimation.ipynb notebook and run all the cells containing the below steps in sequence to get the desired output.

1. Downloading the Dataset with necessary annotations.
2. Imports and references.
3. Setting the custom configurations for food images from food.py file.
4. Preview of the available dataset.
5. Training the model.
6. Detection of the food items using the trained weights.
7. Approach Calorie estimation.
8. Plotting the acquired calories.