**Project Environment:**

We used python version = 3.10 in windows machine. “Pycharm” IDE was used to run and execute the program. Required major libraries are as follows.

**matplotlib==3.6.0, numpy==1.23.3, openpyxl==3.0.10, pandas==1.5.0, scipy==1.9.1**

Mtplotlib is for ploting the signal, Pandas to read and access the .xlsx file. Scipy is used for signal processing.

For machine learning approach we used Scikit-learn library. We tried LenearRegression and SVR of SVM(Support Vector Machine) models for training and testing data.

**Project implementation:**