**Documentation of the model**

Firstly, I used a **Savitzky-Golay** filter to smoothen the data and remove the noise from the readings.

After this, I started with implementing **LASSO**, then finally I ensembled various algorithms together and finally come up with a model comprising of two algorithms **Support Vector Machine(SVM)** and **Random Forest** which gave a satisfactorily r2 square value as well as less error as compared to the leader board.