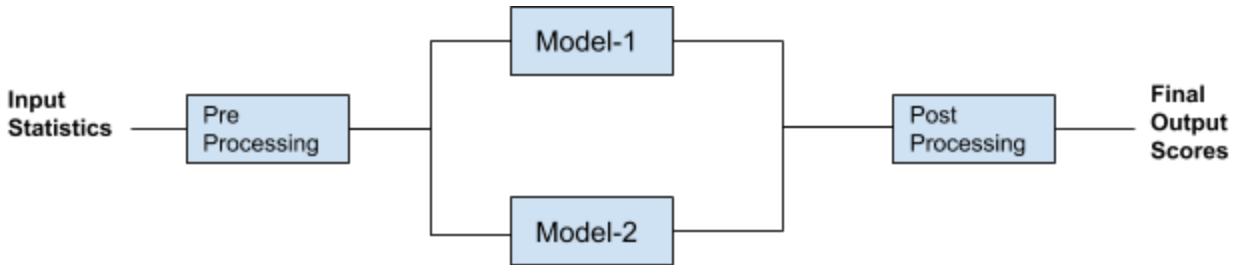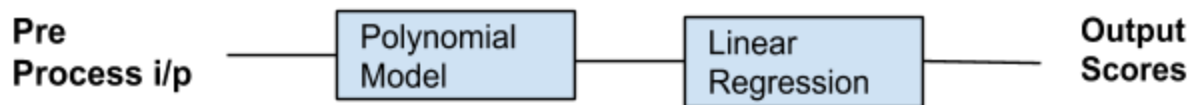# SOLUTION SHEET

Architecture:-

Model-1 :-

Model-2 :-

Considering the given problem as a 'Regression Problem', we tried to apply Regression Algorithms (Random Forest and Linear Regression) to solve it. Initially, at preprocessing train data and test data is loaded as input to the Regression models. Following, two models are applied on this data as:

1) In model-1, Random Forest Regression followed by AdaBoost is applied to improve its performance.

2) In model-2, a Polynomial model followed by Linear Regression is applied.

In post processing, combining the two models output scores is done by appropriate weighting for each, to improve the overall performance. Then, the output data is loaded in the corresponding excel sheet.