

## **PROBLEM STATEMENT**

### **CRUDE OIL PRICE PREDICTION USING MACHINE LEARNING**

The volatility of the oil market has increased the public and private sector's attention. In case of linear data used for prediction the previous versions of statistical and economic methods that predict prices produce good or approximate results. But on other hand the oil price series, deals with a lot of non-linearity and irregular events which affects the data collected for prediction. The worldwide raw oil / crude oil market is affected by the governmental issues of nations, country's monetary cycles, big haulers, and treatment facilities. All oil market based assessments and predictions assume that the market utilizes past costs, stock information, and different elements to decide a bunch of spot and prospects costs on a given day which leads to non-linear and unstable prediction results. The system that is proposed will be able to analyze the data patterns of oil prices based of past data and predict price of present