**ASHIQ SHERIFF A**

**FUNCTIONALITIES PART IN Consumption of Natural Gas in Fertilizer Industry**

**Functionalities of the system:**

* In a fertilizer industry, there are a lot of processes which include production of main fertilizer products i.e., UAN (Urea Ammonium nitrate), Single superphosphate(SSP), Triple superphosphate(TSP), Muriate of potash(MOP), Potassium nitrate(KN) etc…
* Approximately 60% of the natural gas is used as raw material to power up the synthesis process.
* The industry contains Primary reformer(PRF), Auxiliary boilers (utility boilers) to burn natural gas.
* There is an overview of the resources which will be displayed in the webpage.
* It includes the consumption of natural gas in different fertilizer industries and the amount of natural gas which is consumed to convert into a fuel.
* The relevant information on the fertilizer industries will be displayed which contains the location, Gas fields from where the natural gas is supplied, year of commissioning, plant capacity, types of compression.
* By clicking upon **the consumption of natural gas in different fertilizer industries,** the screen shows the data which consists of the name of the industries, the year in which they started to consume and the amount of consumption.
* Not only natural gas, even other types of gases such as nitrogen, phosphorus, potassium are used as intermediate products to make mineral fertilizers.
* Furthermore, a graph which represents the trade balance of the natural gas will be displayed.
* Finally, an entire report which contains the following sources will be projected for information purpose.
* The following data which will be displayed is already stored in the database as it will be ready to display.