**IMPLEMENTATION:**

**MODULES:**

* User
* Admin
* Data Preprocessing
* Machine Learning

**MODULES DESCRIPTION:**

**User:**

The User can register first. While registering he required a valid user email and mobile for further communications. Once the user register then admin can activate the user. Once admin activated the user then user can login into our system. User can upload the dataset based on our dataset column matched. For algorithm execution data must be in int or float format. Here we took   
Adacel Technologies Limited dataset for testing purpose. User can also add the new data for existing dataset based on our Django application. User can click the Data Preparations in the web page so that the data cleaning process will be starts. The cleaned data and its required graph will be displayed.

**Admin:**

Admin can login with his login details. Admin can activate the registered users. Once he activate then only the user can login into our system. Admin can view Users and he can view overall data in the browser and he load the data. Admin can view the training data list and test data list. Admin can load the data and view forecast results.

**Data Preprocessing:**

A dataset can be viewed as a collection of data objects, which are often also called as a Sentiment tweets like positive, negative and neutral. Data objects are described by a number of features that capture the basic characteristics of an object, such as the mass of a physical object or the time at which an event occurred, etc. Features are often called as variables, characteristics, fields, attributes, or dimensions. The study is based on a pipeline that involves preprocessing, sentiment analysis, topic modeling, natural language processing and statistical analysis of Twitter data extracted in the form of tweets. We use Tweets and Sentiment amount of data.

**Machine learning**:

Based on the split criterion, the cleaned data is split into 80% training and 20% test, then the dataset is subjected to one machine learning classifier such as Natural Language Process(NLP). Sentiment analysis by fine tuning auto encoding models like BERT and ALBERT to achieve a comprehensive understanding of public sentiment. Thus, we have analyzed the results of our experiment and methodology using the contextual information and verified the insights.