**\*\*\* THE PROJECT WILL BE MANAGED ON GITHUB \*\*\***

**Skill set required for the project: -**

1. **Technical skills: -**
   1. **Python Programming**
   2. **NumPy Library**
   3. **Pandas Library**
   4. **Sci-kit learn library**
   5. **Machine Learning**
   6. **Git and Git-Hub**
   7. **Web-Scrapping**
   8. **TA-lib library**
   9. **Basics of Web devolopment**
2. **Trading Skills: -**
   1. **Basics of Stock Market**
   2. **Intraday Trading Strategies**
   3. **Candle-Stick Chart Patterns**
   4. **Futures Trading**
   5. **Options Trading**
   6. **Technical Indicators**
   7. **Algo-Trading**

**Workflow of the Repository: -**

1. **Acquire the skills.**
2. **Data Pre-Processing Phase** 
   1. **Web-Scrapping and downloading the data.**
   2. **Using APIs and downloading the data.**
   3. **Processing the data to a usable format.**
3. **Implementing Trading strategies and technical indicators into codes to give buy and sell signals via the use of data.**
4. **Build a Basic Automated Algo-Trading Model.**
   1. **At this stage, the model would be capable of only executing trades and checking balance.**
5. **Implement Trading strategies and technical indicators into the model via the use of data. (Normal stock trading)**
6. **Implementing Machine Learning Algorithms into the model via the use of data. (Normal stock trading)**
7. **Extending the model to futures and options.**

**Money Outsourcing for Real time testing of Model: -**

**// to be designed**