# Project Planning Phase

## Milestone and Activity List

| | |
|---|---|
| Date | 22 October 2022 |
| Team ID | PNT2022TMID39562 |
| Project Name | Crude Oil Price Prediction |

## Milestone and Activity List:

| S.No | Milestone | Activities | Team Members |
|---|---|---|---|
| 1. | Data Collection | Create Train and Test Folders | R.Ganesh M.Allan Wesley Prabhu P.Ashwin |
| 2. | Data Preprocessing | Import Library and Configure | S.Gokulakrishnan P.Gowtham |
| 3. | Data Preprocessing | Analyze the data functionality to Train and Test set | R.Ganesh M.Allan Wesley Prabhu P.Ashwin |
| 4. | Model Building | Import the required model building libraries | S.Gokulakrishnan P.Gowtham |
| 5. | Model Building | Initialize the model | R.Ganesh M.Allan Wesley Prabhu P.Ashwin |
| 6. | Model Building | Add LSTM Layers | S.Gokulakrishnan P.Gowtham |
| 7. | Model Building | Adding output layers | R.Ganesh M.Allan Wesley Prabhu P.Ashwin |
| 8. | Model Building | Compile the model | S.Gokulakrishnan P.Gowtham |
| 9 | Model Building | Fit and save the model | R.Ganesh M.Allan Wesley Prabhu P.Ashwin |
| 10. | Test the model | Import the packages and load the saved model | S.Gokulakrishnan P.Gowtham |
| 11. | Test the model | Load the test data, pre-process it and predict | R.Ganesh M.Allan Wesley Prabhu P.Ashwin |
| 12. | Application Building | Build a flask application | S.Gokulakrishnan P.Gowtham |
| 13. | Application Building | Build the HTML page | R.Ganesh M.Allan Wesley Prabhu P.Ashwin |

| 14. | Application Building | Output | S.Gokulakrishnan P.Gowtham |
|---|---|---|---|
| 15. | Train RNN Model onIBM | Register for IBM Cloud | R.Ganesh M.Allan Wesley Prabhu P.Ashwin |
| 16. | Train RNN Model onIBM | Train Data classification Model | S.Gokulakrishnan P.Gowtham |