Project Planning Phase Milestone and Activity List

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| Date | 11 November 2022 |
| Team ID | PNT2022TMID00525 |
| Project Name | Crude Oil Price Prediction |

Milestone and Activity List:

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| **S.No** | **Milestone** | **Activities** | **Team Members** |
| 1. | Data Collection | Create Train and Test Folders | Rakesh Dhilip  Peter Paul Samuel |
| 2. | Data Preprocessing | Import Library and Configure | Prithivi Raj  Rakesh Dhilip |
| 3. | Data Preprocessing | Analyze the data functionality to Train and Test set | Rakesh Dhilip  Peter Paul Samuel |
| 4. | Model Building | Import the required model building libraries | Prithivi Raj  Krishna |
| 5. | Model Building | Initialize the model | Rakesh Dhilip  Peter Paul Samuel  Prithivi Raj |
| 6. | Model Building | Add LSTM Layers | Rakesh Dhilip  Peter Paul Samuel  Prithivi Raj |
| 7. | Model Building | Adding output layers | Rakesh Dhilip  Peter Paul Samuel  Krishna |
| 8. | Model Building | Compile the model | Rakesh Dhilip  Peter Paul Samuel |
| 9 | Model Building | Fit and save the model | Rakesh Dhilip  Peter Paul Samuel  Prithivi Raj |
| 10. | Test the model | Import the packages and load the saved model | Prithivi Raj  Rakesh Dhilip |
| 11. | Test the model | Load the test data, pre- process it and predict | Rakesh Dhilip  Peter Paul Samuel  Prithivi Raj |
| 12. | Application Building | Build a flask application | Prithivi Raj  Rakesh Dhilip |
| 13. | Application Building | Build the HTML page | Prithivi Raj  Krishna |

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| 14. | Application Building | Output | Prithivi Raj  Krishna |
| 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 |