Project Title: Crude oil price prediction **Team ID:** PNT2022TMI13501 CS AS CC 1. CUSTOMER SEGMENT(S) 6. CUSTOMER CONSTRAINTS 5. AVAILABLE SOLUTIONS The frustrations about the results can Oil accounts are the third of Cash involved be avoid by providing a proper timeline the world's energy con High volatility in predicting the prices AS, differentiate and proper planning will be helpful in sumption That is the finishing it in time with the expected greatest share for all output. category of government J&P RC 2. JOBS-TO-BE-DONE / PROBLEMS 9. PROBLEM ROOT CAUSE 7. BEHAVIOUR The prices of crude oil is highly volatile Crude oil pieces increase every The root cause of this problem is and fluctuates frequently so it is quite day. Fluctuations in crude oil the high volatility and fluctuating tough to predict the prices of crude oil. prices have devastating impacts aspect of crude oil. This provides So it becomes really tough to tackle on global economies, so oil price the supply and demand problem. an uncertain situations for forecasting can help reduce the investors and other members who risks associated with oil price want to volatility. СН TR SL 10. YOUR SOLUTION 8. CHANNELS of BEHAVIOUR 3. TRIGGERS Extract online & offline CH of BE 8.1 ONLINE The triggers that affect the price prediction are: Financial factor By exploring the internet the users can For crude oil price prediction, time Supply-demand factor series analysis is the most see the prices of crude oil. Expected global demand Speculation appropriate option. This is because strong we are using the past history of crude oil prices to predict the future 8.2 OFFLINE 4. EMOTIONS: BEFORE / AFTER EM price of crude oil. Therefore, we Customers can buy the crude oil and Before: A sense of doubt in the price leads to would implement RNN with LSTM fear of losing money. Sudden dip in price may use it for their vehicles. (Long Short Term Memory) to cause frustration. accomplish the task

After: Assurance in future prices, security, and joy in case the price increase is predicted.