Project Title: Crude Oil Price Prediction **Project Design Phase-I Problem Solution Fit** **Team ID:** PNT2022TMID22706

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

Who is your customer?

Crude Oil Based Industries and companies for Business purposes

6. CUSTOMER CONSTRAINTS — CC

What constraints prevent your customers from taking action or limit their choices of solutions?

The risks and problems are the obstacles for the customers which limits them from proceeding further in the process.

5. AVAILABLE SOLUTIONS — AS

Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have?

The frustrations about the results can be avoid by providing a proper timeline and proper planning will be helpful in finishing it in time with the expected output.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

Which jobs-to-be-done (or problems) do you address for your customers?

The difficulty in predicting the Crude Oil Price more accurately is one of the major problems

The information to be collected for providing the desired results may be a problem

9. PROBLEM ROOT CAUSE — RC

What is the real reason that this problem exists? What is the back story behind the need to do this job?

It can both Man-made error or machine error which can sometimes go wrong.
This can cause a problem in proving an accurate or desired result.
This is the main root cause of this issue.

7. BEHAVIOUR — BE

What does your customer do to address the problem and get the job done?

The problems faced by the customer can be reported in a form of a detailed document so that it can be properly addressed by the team and it can rectify.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS — TR

What triggers customers to act?

The business ideas trigger customers for the crude oil price prediction for the benefits

4. EMOTIONS: BEFORE / AFTER — EM

How do customers feel when they face a problem or a job and afterwards?

If the results are not up to the expected point, it makes them feel frustrated.

10. YOUR SOLUTION — SL

If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.
If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.

To address this issue, it needs proper attention in carrying out this process for predicting the crude oil price. Both computer-aided prediction and human calculations should be carried out very carefully.

8. CHANNELS of BEHAVIOUR — CH

8.1 ONLINE
What kind of actions do customers take online? Extract online channels from #7

Discount seekers
Wandering customers
Loyal customers

8.2 OFFLINE
What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

Reliable customers
Trustful customers

Extract online & offline CH of BE