

Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S) Oil companies government</div> <div>CS</div>	<div>6. CUSTOMER CONSTRAINTS Internet connection, a smart device, previous data.</div> <div>CC</div>	<div>5. AVAILABLE SOLUTIONS 1. Machine learning classification algorithm based on multi-modal data features: Classification performs better than regression in forecasting price trend. 2.Effective crude oil price forecasting using new text-based and big-data-driven model: The mean absolute percentage error of the proposed model is 0.0571 and 0.0459 for crude oil price forecasting of two cases, respectively.</div> <div>AS</div>	Explore AS, differentiate
	<div>2. JOBS-TO-BE-DONE / PROBLEMS The oil price cannot not be figured on a day-today basis. Demand forecasts are usually made from GDP, exchange rates and domestic prices, and supply is predicted from past production data and reserve data. With rising global demand, highly volatile prices and increasingly stringent environmental regulations, the oil and gas industry face three major challenges: reduce costs, optimize the performance of its industrial base assets. These factors include:Demand,Supply,Quality of Oil, Speculation, Demand for Oil, Temporary Price Fluctuations, Investing in Oil and Gas Drilling. High oil prices can drive job creation and investment as it becomes economically viable for oil companies to exploit higher-cost shale oil deposits. However, high oil prices also hit businesses and consumers with higher transportation and manufacturing costs. There are many factors that can have an impact on crude oil price that we can name some of them as weather, US economy, international economy, US dollar exchange rate comparing to other foreign currencies, geopolitical events, supply and demand statistics, and crude oil and petroleum distillates inventory. As with any commodity, stock, or bond, the laws of supply and demand</div> <div>J&P</div>	<div>9. PROBLEM ROOT CAUSE 1: Crude oil prices are determined by global supply and demand. Economic growth is one of the biggest factors affecting petroleum</div> <div>RC</div>	<div>7. BEHAVIOUR So, it basically affects the daily needs If oil price increases the essential goods</div> <div>BE</div>	
Focus on J&P, tap into BE, understand RC				Focus on J&P, tap into BE, understand RC
Identify strong TR & EM	<div>3. TRIGGERS So basically the price of the crude oil / petrol price fluctuates each and every day which is not good for the economy and it's not good for the lower income families and it will lead to price hike in the goods and commodities.</div> <div>TR</div>	<div>10. YOUR SOLUTION 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 behavior.</div> <div>SL</div>	<div>8. CHANNELS of BEHAVIOUR 8.1 ONLINE Through Advertising in social medias, news platform makes customer to know and recognize the effectiveness of Crude Oil Price Prediction and their instant and secure features. 8.2 OFFLINE words of mouth among customers.</div> <div>CH</div>	Identify strong TR & EM

	<div><div>4. EMOTIONS: BEFORE / AFTER</div><div>EM</div><div>BEFORE: Before the product they people and the government pay the price which is calculated from supply and demand method because of that there was an monopoly done by the oil companies</div><div>AFTER: After our product there will be no monopoly and there will be no need for a middle man because after using this program which is built by using artificial intelligence it will help to predict the oil price by predicting these prices it will be helpful for the government to set a basic price</div></div>			
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