Project Design Phase Problem – Solution Fit

Date	19/06/25
Team ID	LTVIP2025TMID59136
Project Name	Visualizing housing market trends: an analysis of sale
	prices and features
Maximum Marks	2 Marks

Problem – Solution:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Purpose:

☐ Solve complex problems in a way that fits the state of your customers.
☐ Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
$\hfill \square$ Sharpen your communication and marketing strategy with the right triggers and messaging.
☐ Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
\square Understand the existing situation in order to improve it for your target group.

Template:

CUSTOMER SEGMENT(S) Utility company decision-makers Government policymakers (energy departments) Energy analysts and researchers Public sector monitoring authorities	CC Limited technical/data visualization skills Budget constraints for tool adoption Reliance on manual Excel-based workflows Limited access to cleaned, centralized data Low IT infrastructure in smaller utility companies	Static government reports in PDF/Excel Static government reports in PDF/Excel Manual data analysis using spreadsheets Internal dashboards with limited scope Pros: Familiar tools, simple setup Cons: No interactivity, slow, difficult to analyze, lacks filtering
2. JOBS-TO-BE-DONE / PROBLEMS Understand state-wise and sector-wise electricity usage patterns Forceast demand for better grid management Identify peak hours and plan energy-saving programs Analyze seasonal usage trends and postlockdown impacts Make data-driven decisions from raw usage data	9. PROBLEM ROOT CAUSE • No centralized platform for data-driven electricity consumption insights • Datasets are raw, unfiltered, and not visualized • Decision-makers lack tools and training to interpret the data easily • Growing complexity in managing supply-demand post-COVID and climate events	7. BEHAVIOUR Use Excel to sort and manually analyze usage Request reports from IT/data team Refer to government portals for downloads Discuss patterns informally within departments Use experience-based intuition over data evidence
3. TRIGGERS 1. External pressure from government mandates, public reports, or new distancts requiring improved energy planning and 2. Operational challenges like blockouts, peak season budgeting, or rating interest in sustainability prompt action from utilely stakeholders.	10. YOUR SOLUTION A we'b based dashboard using Tablisau embedded into a Flask app. Pre-processed data stored in MyGQL, integrated with red-time filtering. Visualizations include: Time wasse, person-wise, locksom comparison, and storybottom usage tables. Interactive filter for users to select year, region, and time period. Optional ML: powered demand forecasting. Published on Tablisau Public for easy access and sharing.	8. CHANNELS of BEHAVIOUR 8.1 DOLINE Download datasets from energy portals (POSOCO, Ministry of Power) Read insights or trends from news portals or LinkedIn Watch dashboard demos (YouTube, Tableau Public)
4. EMOTIONS: BEFORE / AFTER Before: Overwhelmed, frustvated, unsure, data-blind After: informed, empowered, confident, able to make smart decisions.		A.2 OFFLINE Attend government briefings Internal review meetings and printed reports Collaborate on planning documents manually