

## Project Design Phase

### Problem solution fit

Date	9 Feb 2026
Team ID	LTVIP2026TMIDS49957
Project Name	Translingua: Ai-Powered Multi-Language Translator
Maximum Marks	2 Marks

#### Problem – Solution Fit Template:

Problem–Solution Fit is a framework used in entrepreneurship, product design, and innovation to ensure that the solution you're building directly addresses a real customer problem in a way that aligns with their current behaviors and needs.

#### 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.
- 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.
- Understand the existing situation in order to improve it for your target group.

#### Template:

Defining CS (in fit CC)		TRANSLINGUA PROJECT						Define AS & differentiable	
1. CUSTOMER SEGMENTS(S)	CS	6. CUSTOMER CONSTRAINTS	CC	5. AVAILABLE SOLUTIONS			AS		
Who is your customer? (e.g., Students, Professionals, Travelers)		What constraints prevent your customers from taking action or limit their choices? (e.g., Time, Cost, Language Barriers)		Which solutions are available to the customers when they face the problem or need to get the job done? (e.g., Apps, Tools, Services)					
2. JOBS-TO-BE-DONE / PROBLEMS	JTD	3. PROBLEM ROOT CAUSE	RC	7. BEHAVIOUR			BE		
Which jobs-to-be-done (or problems) do you address for your customer? What are their main needs?		What is the real reason that the problem exists? (e.g., Lack of Practice, Poor Tools)		What does your customer do to address the problem and get the job done? (e.g., Manual Translation, Using Apps)					
4. EMOTIONS: BEFORE / AFTER	EM	10. YOUR SOLUTION	SL	8. CHANNELS OF BEHAVIOUR			CH		
How do customers feel when they face a problem or a job and afterwards? (e.g., Frustrated < Satisfied, Confused > Confident)		If you are working on an existing business, write down your solution (e.g., Translingua Platform, App, Service)		8.1 ONLINE What kind of actions do customers take online?					
				8.2 OFFLINE What kind of actions do customers take offline?					
Identify TJs, JTD, CC, AS, BE, CH, SL		Define CS, CC, AS, BE, CH, SL						Define AS & differentiable	

