

## 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:

Problem-Solution fit canvas 2.0		TRANSLINGUA PROJECT	
Define CS first CCI	<b>1. CUSTOMER SEGMENT(S)</b> <span style="float: right; background-color: #f8d7da; padding: 2px;">CS</span> Who is your customer? (e.g., Students, Professionals, Travelers)	<b>6. CUSTOMER CONSTRAINTS</b> <span style="float: right; background-color: #f8d7da; padding: 2px;">CC</span> What constraints prevent your customers from taking action or limit their choices? (e.g., Time, Cost, Language Barriers)	<b>5. AVAILABLE SOLUTIONS</b> <span style="float: right; background-color: #f8d7da; padding: 2px;">AS</span> Which solutions are available to the customers when they face the problem or need to get the job done? (e.g., Apps, Tools, Services)
	Coarse fit, disassemble	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span style="float: right; background-color: #fff3cd; padding: 2px;">JTD</span> Which jobs-to-be-done (or problems) do you address for your customer? What are their main needs?	<b>3. PROBLEM ROOT CAUSE</b> <span style="float: right; background-color: #fff3cd; padding: 2px;">RC</span> What is the real reason that the problem exists? (e.g., Lack of Practice, Poor Tools)
Identify roots IR & EM		<b>4. EMOTIONS: BEFORE / AFTER</b> <span style="float: right; background-color: #d4edda; padding: 2px;">EM</span> How do customers feel when they face a problem or a job and afterwards? (e.g., Frustrated < Satisfied, Confused > Confident)	<b>10. YOUR SOLUTION</b> <span style="float: right; background-color: #d4edda; padding: 2px;">SL</span> If you are working on an existing business, write down your solution (e.g., Translingua Platform, App, Service)
	<b>8.1 ONLINE</b> What kind of actions do customers take online?		
		<b>8.2 OFFLINE</b> What kind of actions do customers take offline?	

