Project Design –

Problem–Solution Fit

Team ID: LTVIP2026TMIDS84504

Project Name: TransLingua: AI-Powered Multi-Language Translator

Maximum Marks: 2 Marks

Problem–Solution Fit Overview

Problem–Solution Fit ensures that the developed solution directly addresses real user problems while matching their needs, behaviors, and usage patterns. It helps design a solution that users can easily adopt and trust.

Purpose

- Solve communication challenges caused by language barriers.

- Provide a solution that fits users' daily communication needs.

- Improve accessibility using familiar digital platforms.

- Build trust by solving frequent translation difficulties.

- Understand current user challenges and improve communication efficiency.

CUSTOMER SEGMENTS
Students, Travells Profesionals,
Healthcare Workers

PROBLEMS / PAINS
- Inacurate translation
- Missing context
  Slow tools

ROOT CAUSES (RC)
- Language diversity
- Lack of context AI
  termnologly

TRIGGERS TO ACT (TR)
- Urgent communication
- Study & work needs
  Travel intaractions

BEHAVIOR (BE
- Using multiple apps
- Copy—paste translation
  Rechecking results

YOUR SOLUTION (SL)
TransLingua provides AI-powered,
accurate, accuratt, context-aware
multiguage translation with fast and
user-friendly access.

EMOTIONS (EM
Before: frustration
After: confidence

AVAILABLE SOLUTIONS (AS)
Google Translate etc.
Limited context accuracy

CUSTOMER LIMITATIONS (CL)
- Mobile devices , Internes limits
  Budget constraints

CHANNELS (CH)
Online: apps, web
Offline: travel, classroom, hospital