

# Ideation Phase

## Problem Statement

|               |   |
|---------------|---|
| Date          | 9 Feb 2026  |
| Team ID       | LTVIP2026TMIDS71831                               |
| Project Name  | Translingua: ai-powered multi-language translator |
| Maximum Marks | 2 Marks   |

### Customer Problem Statement Template:

In today's globalized and digital world, people frequently interact across languages through education, travel, healthcare, business, and online platforms. However, language barriers still create misunderstandings, delays, and exclusion. Existing translation tools often struggle with accuracy, context, regional dialects, and real-time performance, especially in low-resource language.

| I am (Customer)                     | I'm trying to   | But  | Which makes me feel          |
|-------------------------------------|---|--|------------------------------|
| International Business Professional | Communicate effectively with foreign clients during meetings          | I have limited knowledge of diverse languages and cultural context | Frustrated and misunderstood |
| Traveler                            | Communicate with locals beyond basic phrases in a foreign country     | Translation apps are unreliable and slow in real time              | Anxious and isolated         |
| International Student               | Understand lectures and academic content in a foreign language        | Translations lack accuracy and subject-specific context            | Confused and stressed        |
| Healthcare Professional             | Explain medical information to patients who speak different languages | Medical terms are often mistranslated                              | Worried about patient safety |

**Translingua** aims to solve this problem by providing an AI-powered, context-aware, multilanguage translation system that supports text, voice, and document translation with high accuracy and cultural relevance.

| ps   | I am<br>(Customer)    | I'm trying to   | But  | Which makes me feel          |
|------|-----------------------|---|--|------------------------------|
| PS-1 | International Student | Understand lectures and study materials in a foreign language | Translations lack context and technical accuracy | Confused and stressed        |
| PS-2 | Traveler              | Communicate with locals in real time                          | Voice translation is slow and inaccurate         | Anxious and dependent        |
| PS-3 | Healthcare Worker     | Explain medical information to patients                       | Medical terms are mistranslated                  | Worried about patient safety |
| PS-4 | Business Professional | Communicate with global clients                               | Cultural tone is lost in translation             | Frustrated and misunderstood |

