

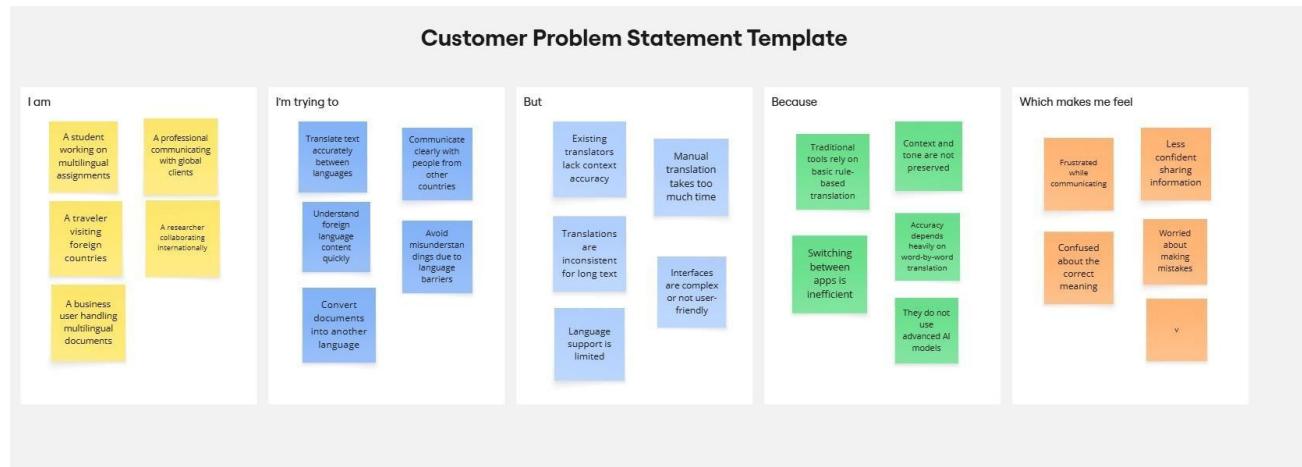
Project Initialization and Planning Phase

Date	28 January 2026
Team ID	LTVIP2026TMIDS66217
Project Name	TransLingua: AI-Powered Multi-Language Translator
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

In today's globalized world, individuals and organizations frequently interact across linguistic boundaries, which often leads to communication challenges. Users such as students, professionals, researchers, travelers, and businesses struggle to accurately translate content between multiple languages using traditional translation tools that may lack context awareness, accuracy, or ease of use. These limitations result in misunderstandings, reduced productivity, and poor user experience.

To overcome these challenges, there is a need for an intelligent, user-friendly, and efficient language translation solution. By leveraging advanced AI models and an intuitive web interface, TransLingua aims to simplify multilingual communication, enhance translation accuracy, and provide a seamless experience that meets users' personal, academic, and professional expectations.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A global user (student / professional / traveler) who needs multilingual communication	Translate text accurately from one language to another	Existing translation tools are slow, complex, or lack contextual accuracy	I need quick, reliable, and context-aware translations using an easy interface	Frustrated and uncertain about effective communication
PS-2	A business or academic user working with multilingual content	Communicate or share documents across different languages	Manual translation is time-consuming and error-prone	I handle large or important content requiring accuracy	Concerned about efficiency and correctness
PS-3	A traveler visiting foreign countries	Understand signs, menus, or local information	Language barriers prevent clear understanding	I do not know the local language	Confused and dependent on others

Use Case Diagram

Use Case Diagram for TransLingua

