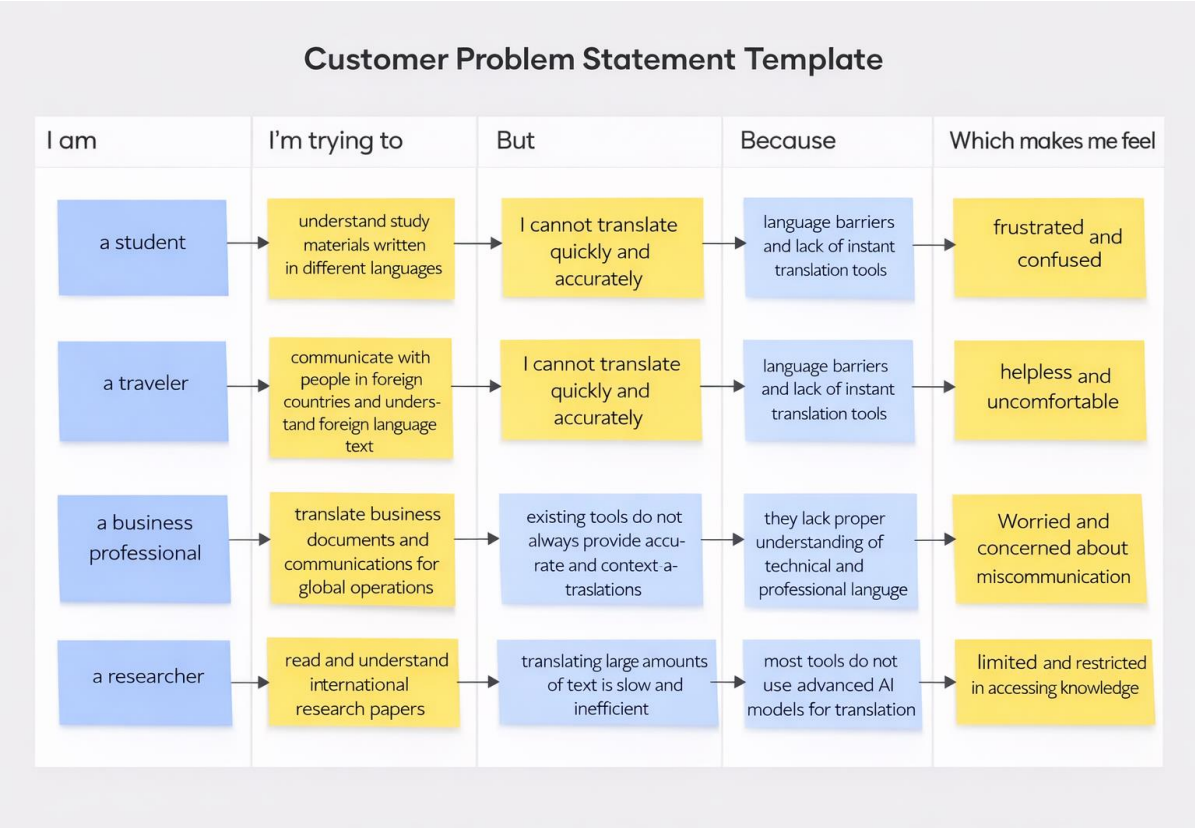
Project Initialization and Planning Phase

Date	28 January 2026
Team ID	LTVIP2026TMIDS49957
Project Name	Translingua: Ai-Powered Multi-Language Translator
Maximum Marks	3 Marks

Define Problem Statements:

Therefore, travellers and business professionals need an efficient way to translate text accurately and quickly between different languages. Manual translation methods require significant time, effort, and language expertise, making communication difficult and inefficient. Additionally, many existing translation tools lack contextual understanding, resulting in inaccurate or unclear translations. This leads to miscommunication, delays, and frustration among users. The TransLingua application solves this problem by using an advanced AI-powered language model to provide fast, accurate, and context-aware translations through a simple and user-friendly web interface.



Problem Statement (PS)	I am	I'm trying to	But	Because	Which makes me feel
PS-1	A student	Understand study materials written in different languages	Translating manually is difficult and time-consuming	It requires language knowledge and reliable translation tools	Frustrated and confused
PS-2	A traveller	Communicate with people in foreign countries	I cannot translate quickly and accurately	Language barriers and lack of instant translation tools	Helpless and uncomfortable
PS-3	A business professional	Translate business documents for global communication	Existing tools do not always provide accurate translations	They lack contextual understanding of technical content	Worried and concerned about miscommunication
PS-4	A researcher	Understand international research papers	Translating large amounts of text is slow and inefficient	Most tools do not use advanced AI models for translation	Limited and restricted in accessing knowledge