

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	31 January 2025
Team ID	LTVIP2026TMIDS72705
Project Name	TransLingua – AI-Powered Multi-Language Translator
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages every team member to actively participate in the creative thinking process that leads to effective problem-solving. During this phase, the focus is placed on generating a large number of ideas without immediate judgment. This approach encourages innovative thinking and collaboration among team members.

Our team followed this structured brainstorming approach to identify a relevant and impactful problem that can be addressed using Generative AI technologies.

### STEP-1: TEAM GATHERING, COLLABORATION AND SELECTION OF PROBLEM STATEMENT

The team conducted a collaborative brainstorming session to identify potential project ideas. The discussion was facilitated by the Team Leader, Abubakar Bellary, and all members actively contributed their ideas.

The objective of the session was to identify a real-world problem that:

- Has practical significance
- Can be solved using Generative AI
- Is feasible within the internship duration
- Provides measurable impact

#### IDEAS GENERATED DURING BRAINSTORMING:

1. AI Resume Builder using Generative AI
2. AI-Based Content Generation Tool
3. Smart Academic Doubt Solving System
4. AI Chatbot for Student Support
5. AI-Powered Multi-Language Translation System

After evaluating the ideas based on feasibility, innovation, scalability, and real-world demand, the team selected the following problem statement.

## SELECTED PROBLEM STATEMENT:

In today's globalized world, communication across multiple languages remains a major challenge. Students, professionals, and travelers often struggle to understand foreign language content accurately. Existing translation tools may lack contextual understanding and may not provide reliable real-time translations.

To address this issue, the team decided to develop **TransLingua – AI-Powered Multi-Language Translator**, a system that leverages Generative AI to provide accurate, context-aware, and real-time translations across multiple languages.

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## STEP-2: BRAINSTORM, IDEA LISTING AND GROUPING

During this stage, all generated ideas were systematically listed and categorized based on their domain and application area.

### EDUCATION-RELATED IDEAS:

- AI Academic Doubt Solver
- AI Resume Builder

### CONTENT & MEDIA IDEAS:

- AI Content Generator
- AI Chatbot for Assistance

### COMMUNICATION-BASED IDEAS:

- AI Multi-Language Translator

After grouping the ideas, it was observed that communication-based solutions had broader real-world applicability and global relevance.

## STEP-3: IDEA PRIORITIZATION

The ideas were prioritized using the following evaluation criteria:

- Feasibility of implementation
- Real-world impact
- Innovation level
- Technical alignment with Generative AI
- Scalability potential

Based on these criteria, the AI-Powered Multi-Language Translator was ranked highest due to its global demand, scalability, and strong alignment with Generative AI technologies. Therefore, the team finalized **TransLingua – AI-Powered Multi-Language Translator** as the official project for the internship.

