

Project Design Phase
Proposed Solution

Date	15 February 2026
Team ID	LTVIP2026TMIDS88360
Project Name	TCivil Engineering Insight Studio
Maximum Marks	2 Marks

Proposed Solution :

Project team shall fill the following information in the proposed solution table.

S.No.	Parameter	Description
1.	Problem Statement	<i>Traditional tools lack contextual awareness, leading to "robotic" outputs that fail businesses, researchers, and travelers. Specialized jargon and brand voices are often lost, causing user anxiety.</i>
2.	Idea / Solution	<i>TransLingua is a Streamlit web app powered by Google's Gemini AI. It offers context-aware toggles (Professional, Academic, Travel) to adapt tone and vocabulary to specific scenarios.</i>
3.	Novelty / Uniqueness	<i>Utilizes contextual intelligence to preserve academic citations and brand identities. Features a Scenario-Based UI, such as high-contrast mobile views for travelers or split-screen views for researchers.</i>
4.	Social Impact	<i>Enhances global collaboration for academics and helps businesses expand with confidence. Reduces traveler anxiety with reliable, instant translations for navigation.</i>
5.	Business Model	<i>Freemium Model: Basic translation is free; the "Pro" tier offers document uploads (PDF/LaTeX), unlimited professional modes, and enterprise API</i>

<i>S.No.</i>	<i>Parameter</i>	<i>Description</i>
		<i>access.</i>
<i>6.</i>	<i>Scalability</i>	<i>Uses a 3-tier micro-services approach hosted on cloud platforms like GCP/AWS to handle large-scale document processing and concurrent users.</i>