

Project Initialization and Planning Phase

Date	19 July 2024
Team ID	SWTID1720099578
Project Title	Inquisitive - A Multilingual AI Question Generator using Palm's text-bison-001
Maximum Marks	3 Marks

Project Proposal

Inquisitive is a proposed AI-driven application designed to generate high-quality questions in multiple languages from given text passages. Leveraging the advanced capabilities of Google's Palm text-bison-001 model, Inquisitive aims to address the current limitations of existing question generation tools by providing a comprehensive and accurate solution.

Project Overview	
Objective	Multilingual AI Question Generator
Scope	Develop a functional tool for generating questions in multiple languages, evaluate performance, and iterate based on findings.
Problem Statement	
Description	The absence of a robust and versatile multilingual AI question generator poses significant challenges for educators, language learners, and content creators.
Impact	Improved education, language learning, and content creation through efficient question generation.
Proposed Solution	
Approach	Use Palm's text-bison-001 model for multilingual question generation.
Key Features	Multilingual Support (English, Spanish, French, German, etc.), Diverse Question Types (Factual, Inferential, Open Ended), High Accuracy (Leveraging Palm's text-bison-001 model)

Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	CPU/GPU specifications, number of cores	e.g., 2 x NVIDIA V100 GPUs
Memory	RAM specifications	e.g., 8 GB
Storage	Disk space for data, models, and logs	e.g., 1 TB SSD
Software		
Frameworks	Python frameworks	e.g., Flask
Libraries	Additional libraries	e.g., scikit-learn, pandas, numpy
Development Environment	IDE, version control	e.g., Jupyter Notebook, Git
Data		
Data	Source, size, format	e.g., Kaggle dataset, 10,000 images