

Problem Statement No.17 – Multi-language Course Content Translator Agent

The Challenge – A Multi-language Course Content Translator Agent, powered by RAG (Retrieval-Augmented Generation), enables automatic translation of academic course materials into multiple regional languages while preserving technical accuracy and educational context.

It retrieves academic glossaries, curriculum frameworks, and subject-specific terminologies to ensure translations are context-aware and pedagogically sound.

Users can upload notes, presentations, or PDFs and receive translations that maintain the integrity of the original content across languages like Hindi, Marathi, Tamil, Bengali, and more.

The agent promotes inclusive education, removes language barriers, and supports students from diverse linguistic backgrounds.

This AI-driven assistant enhances accessibility and equity in learning environments.

Technology – Use of IBM Cloud Lite services / IBM Granite is mandatory.