ProITBridge Assessment

Task:

Develop an AI-powered system that generates structured educational content for the 6th and 7th-grade Karnataka State Board Science syllabus.

The system should create:

Syllabus Plans (chapter-wise learning structure)

Question Papers (MCQs, short/long answer questions)

Assignments (concept-based exercises)

Topic Explanations (simplified learning materials)

Requirements:

Use Streamlit to build a user-friendly interface where users can upload Karnataka State Board Science textbooks and receive auto-generated educational materials.

Implement AI-based content processing to extract key information and structure it into syllabus plans, questions, and assignments.

Allow customization based on difficulty level, question format, and chapter selection.

Ensure the generated content aligns with NCERT/Karnataka State Board standards for grades 6 and 7.

Deliverables:

A working Streamlit web app that accepts textbook input and generates structured content.

A report/documentation explaining the approach, technologies used, and key challenges.

A short demo or screenshots showcasing the tool's functionality.

Deadline:

1-Architecture - 2 Days

2-End-to-End Model- 7 Days