

Multilingual Document Q&A System

Objective

Build a full web-based application where a user can upload **any PDF document (10–15 pages)** and ask questions in **any language**.

The system must answer correctly based on the content inside the PDF.

Detailed Requirements

1. Document Upload

- Allow PDF upload (10–15 pages minimum).
- Extract text using your preferred lib

2. Multilingual Question Support

- User should be able to ask questions in ANY language:
 - English
 - Hindi
 - Gujarati
 - Marathi
 - Tamil
 - Bengali
 - Kannada
 - Telugu

3. Process Flow

1. Detect the question's language
2. Translate the question → English
3. Perform Q&A using AI based ONLY on the PDF content
4. Translate answer → back into the user's language
5. Return the translated answer

4. Suggested Tools

- Translation:
 - LLM for Q&A:
 - Any API or open-source model
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UI Requirements

- PDF upload button
 - Multilingual question text box
 - "Ask" button
 - Display final answer in the user's language
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Output Requirements

- Uploaded PDF name
 - Extracted text preview (first 300 words)
 - Detected language
 - Translated English question
 - Answer
 - Final translated answer
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Submission Requirements

Upload to a Google Drive folder (open to all).

Folder must include:

- `/Multilingual_QA_Project`
- `/src` (all code)
- `/sample_pdfs` (2 PDFs, 10–15 pages each)
- `/screenshots` (UI + sample Q&A)
- `README.md`

Submit details:

- `Name:`
- `Email:`
- `Google Drive Link:`

`Tech Stack Used:`