Problem Statement

Business contracts are complex legal documents with various clauses and sub-clauses. Manually extracting and validating the content of these contracts is time-consuming and prone to errors. There is a need for an automated solution to parse, classify, and validate the content of business contracts against a template.

Unique Idea Brief (Solution)

Our solution leverages Python and PyMuPDF to automate the extraction of text from business contracts. By utilizing natural language processing (NLP), the system can classify and compare contract clauses against a standard template, highlighting any deviations. This approach streamlines contract validation, reduces errors, and saves time.

Features Offered

- Automated Text Extraction: Efficiently extract text from PDF documents.- Clause Classification: Classify extracted text into predefined contract clauses.- Deviation Detection: Compare extracted text with a template to identify deviations.- User-Friendly Output: Save extracted and validated text to an easily accessible format.

Technologies used

- Python: Programming language used for scripting and automation.- PyMuPDF: Library for PDF parsing and text extraction.- FPDF: Library for creating PDF documents.- Natural Language Processing (NLP): Techniques for classifying and analyzing text content.

Team members and contribution:

Sejal Mhatre - Creating PDF parser for the document validation

Conclusion

The automated business contract validation system offers a robust solution for extracting, classifying, and validating contract content. By reducing manual effort and enhancing accuracy, this system provides significant benefits in terms of efficiency and reliability for businesses handling numerous contracts.These statements should provide a solid foundation for your presentation, clearly outlining the problem, solution, features, technologies used, and the overall conclusion.