Conceptual Framework

The conceptual framework of this study focuses on the assimilation of Optical Character Recognition (OCR), machine learning, and template matching algorithms. OCR is the mainly responsible for the text extraction from submitted documents. The Machine learning algorithms are responsible for recognizing patterns, classifying document elements, and improving the system’s accuracy over time. Template matching algorithms which involve comparing a document’s structure and content to predefined guidelines, is absolutely necessary to assess the compliance.

The way these technologies work together provides a structured approach to document compliance analysis. This framework is essential for automating the compliance assessment process and generating usable recommendations.