

# Legal Contract Simplification with LLMs

## Project Abstract:

Legal contracts are typically composed in dense, complex language that can be challenging for individuals without a legal background to comprehend. This often creates barriers to understanding critical rights, obligations, and risks, leading to misinterpretation or overreliance on legal professionals. This project investigates the use of Large Language Models (LLMs), such as OpenAI's GPT series, to automatically simplify legal contracts into plain, accessible language without compromising their legal intent or enforceability.

The proposed system involves a multi-stage pipeline: ingestion of legal documents, segmentation into clauses, identification of complex legal terms and structures, and their translation into plain English using LLMs through fine-tuned models or prompt engineering techniques. The simplification process is guided by legal best practices and readability standards (e.g., Flesch-Kincaid). The output is evaluated through both automated metrics and human review involving legal experts and lay readers to ensure clarity, accuracy, and legal soundness.

This research aims to democratize access to legal information by making contractual content more transparent and understandable for a wider audience. Potential applications include consumer contracts, employment agreements, terms of service, and healthcare consent forms. The project contributes to the fields of legal tech, natural language processing, and AI ethics by addressing fairness, accountability, and accessibility in legal communication.