JURIS INNOV'

RAPID JURISPRUDENCE, EFFORTLESS EXPLORATION

Executive Summary

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1   Context & Market opportunity

In the legal domain, accessing jurisprudence documents is a crucial aspect for legal professionals, including lawyers, jurists, and law students. These documents, typically found on the ministry of justice websites, are often lengthy and presented in a raw, unstructured format. Navigating through these extensive documents to extract essential information, including the document's subject, the judge's decision, and the arguments presented by each side of the case, poses a significant challenge for legal practitioners. The absence of a streamlined process for efficiently extracting and summarizing information from jurisprudence documents creates a gap in the legal tech landscape.

Recognizing this challenge, our project aims to leverage advancements in Natural Language Processing (NLP) and Artificial Intelligence (AI) to revolutionize how legal professionals interact with jurisprudence documents. By automating the extraction of essential data points, including the subject of the document, the date and the issuing court, and generating succinct summaries, we intend to enhance accessibility and efficiency in legal research and decision-making.
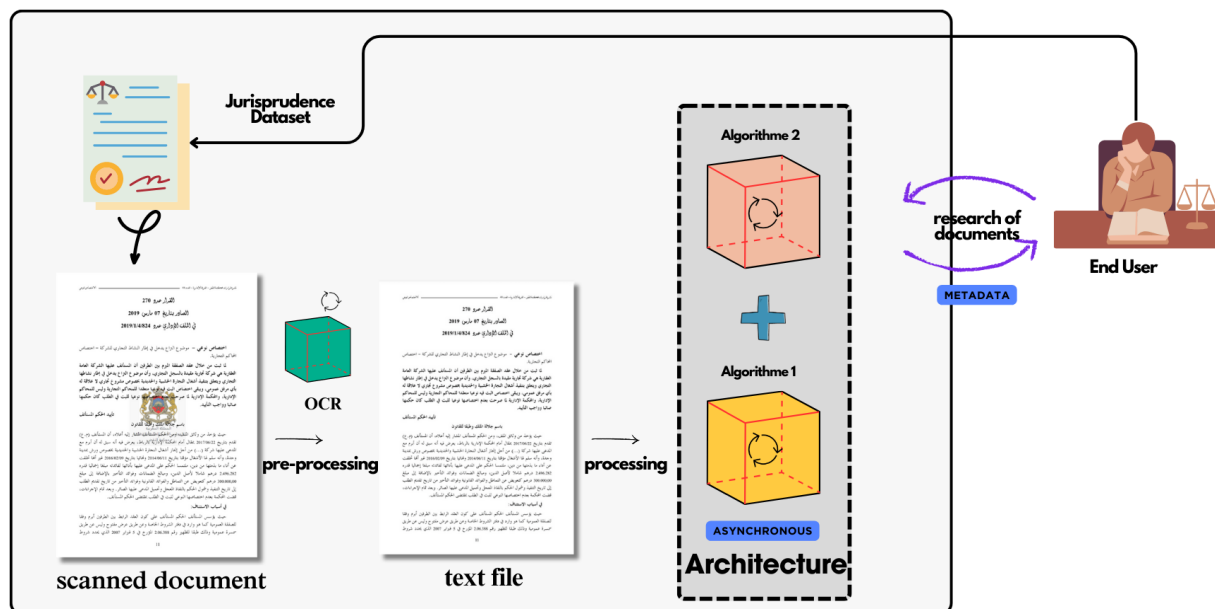
The market opportunity for our solution is substantial, given the widespread reliance on jurisprudence documents in legal practice. Law firms, individual attorneys, legal researchers, and educational institutions can benefit significantly from a tool that simplifies the process of digesting complex legal documents. Moreover, the lack of existing solutions for automated summarization of jurisprudence documents positions our project as an innovative and pioneering venture in the legal tech space.

2   Problem & issue

The legal industry encounters significant challenges in handling and retrieving jurisprudence, characterized by laborious research methods, obstacles in accessing up-to-date legal information, and the complexities involved in managing extensive legal datasets. Such issues result in prolonged legal processes, escalated costs of research, and restricted accessibility to crucial legal precedents. How might these persistent delays be effectively mitigated ? What strategies could be employed to streamline research costs and enhance accessibility to jurisprudence ?

3   Solution

Our solution encompasses a comprehensive workflow that begins with a pre-processing phase. During this initial stage, Optical Character Recognition (OCR) technology is employed to convert scanned documents into text files. Subsequently, the asynchronous architecture, consisting of two codes, takes over. The first code utilizes Natural Language Processing (NLP) to extract crucial information such as the document's date, subject, and issuing court, generating an automatic summary that includes the judge's decision and the arguments of each party. This resulting metadata is efficiently stored in a dedicated database. The second code facilitates user access to the database through a search bar and a similarity algorithm. By seamlessly integrating OCR and NLP technologies, our solution streamlines the conversion and extraction processes, providing legal professionals with an effective means to navigate and comprehend jurisprudence documents.

4   Advantages

— Time efficiency : Automation of the research process saves time by quickly retrieving relevant jurisprudence, allowing legal professionals to focus on analysis rather than manual search.

— Content summarization : The platform's ability to compose summaries and key elements provides users with a quick overview of relevant jurisprudence, aiding in faster decision-making.

— Real-time updates : The platform can provide real-time updates on new jurisprudence, ensuring legal professionals stay informed about the latest developments in their field.

— Cost savings : By saving time and increasing efficiency, the platform can contribute to cost savings for legal firms and practitioners.

5   Business model

5.1   Customer Segments

Professionals who need to access jurisprudence quickly and easily for their work. The target market for the platform is composed of :

1. Jurists
2. Lawyers
3. Law students
4. Law researchers
5. Law firms
6. Partners and institutions (Ecole Centrale Casablanca, Ministry of Law).

5.2   Value Proposition

— Providing a complete solution for digitizing jurisprudence data to improve the quality of decisions made by jurists.
— A comprehensive database of jurisprudence from the past 23 years.
— An automatic summary of each jurisprudence document.
— Optimal search speed.

5.3   Channel

— Website / Mobile App.
— On-site seminars for implementing the solution.
— Partnerships with local and national Law firm for wider adoption.

5.4   Customer Relationships

— Providing customer support : phone support, email ticketing system, FAQs.
— Gathering user feedback.

5.5   Revenue Streams

— Monthly or annual subscription for platform usage.
— Fees for additional services such as personalized training or specific integrations and generating extra summaries of Law documents.
— Strategic partnerships with institutions for large-scale projects.

5.6   Key Resources

— Cutting-edge technological platform.
— Team of legal experts, lawyers, developers, engineers.
— Institutional partnerships.

5.7   Key Activities

— Building and launching the platform, as well as ongoing maintenance and updates.
— Collecting jurisprudence from court websites, legal databases, and government websites.
— Training and support for Law professionals.
— Answering user questions, resolving issues.

5.8   Key Partnerships

— Ecole Centrale Casablanca.
— Law firm (Bassamat & Laraqui)
— Lawyers
— Ministry of Law.

5.9   Cost Structure

— Technology development and maintenance of the platform.
— Marketing and promotion costs.
— Training and support costs.
— Team remuneration.

6   Current situation

We are presently in the process of refining the code provided by 3A students, tailoring it to align with our study domain to address our specific research questions, and applying it to analyze the data currently at our disposal.

7   Foundation team

Our foundation team comprises seasoned professionals with diverse expertise in law, technology, and business, bringing a comprehensive perspective to the development of our innovative jurisprudence platform.

Mrs. Zineb LARAQUI :
— *Experience :* Lawyer at the Marrakech Bar Association, advising and handling business litigation and founder of *Jurisprudence.ma* in 2007.

— *Education :* Master's in Business Law, Business and Litigation Law at the University of Paris Cité.

— *Contribution :* Offered a profound understanding of the nuanced requirements of the legal community through a combination of legal expertise and strategic vision, offered us a comprehensive dataset including 23 years of jurisprudence documents, and served as our liaison bridging the gap between technology and the legal realm.

Prof. Mohammed EL RHABI
— *Experience :* Head of the Mathematics, Computer Science, and Data Sciences Department at ECC, Professor at Ecole Centrale de Lille.

— *Education :* PhD in applied mathematics, pdes, and scientific computing at the University of Pierre et Marie Curie.

— *Contribution :* Oversight of the technical and scientific aspects of the project, research and development supervision.

Mr. Jean-Pierre LLORED
— *Experience :* Associate Professor in Humanities and Social Sciences, FECC. Associate Professor attached to the Department of Humanities and Social Sciences, Ecole CentraleSupélec.

— *Contribution :* Supervised us at every stage of the project and connected us with skilled legal professionals and individuals of high caliber.

Legal Prowess :

Diane GALBOIS-LEHALLE
— *Experience :* Associate Professor in Private Law, Director of the Master's in Artificial Intelligence Law, Head of the Department of Law at the Catholic Institute of Paris, Faculty of Social Sciences, Economics, and Law.

Bénédicte BEVIERE BOYER
— *Experience :* Senior Lecturer with Accreditation to Supervise Research (HDR) in Private Law at the University of Paris 8, and Professor at the University of Medicine and Health Sciences in Shanghai, Faculty of Public Health, affiliated with the Legal Research Center of Paris 8.

Their expertise contributed to a comprehensive understanding of legal intricacies, ensuring effective solutions tailored to the dynamic needs of the field.

Nouhaila AMRAOUI, Zineb AISSAOUI, Safae EL OMARI, Lamiaa EL-BOUCHATTAOUI
— *Education :* 3rd-year students, S2D stream, at ECC.

— *Contribution :* Implemented the two codes used for the processing of medical documents and supervised us in transferring their technology to our field of study.

JurisInnov' team : Nada ELHOUARI, Chaymae DAHHASSI, Adam LAH-RIOUI, Abdelhak OUANZOUGUI, Aimane EL MRABET
— *Education :* 2nd year students at ECC.

— *Contribution :* Each team member actively contributed to both technical and business facets, bringing innovative ideas to the forefront.