



iTNT Hackathon

AI Legal Case Retrieval & Summarization Assistant



Team Name: JUDICIO

Application Deadline: March 4
End Date: March 21

Team Leader:

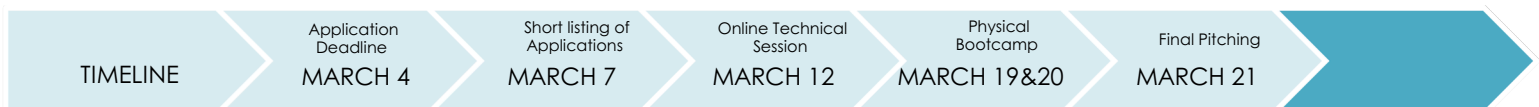
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Team member:

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Roadmap for AI Legal Case Retrieval & Summarization Assistant

PROBLEM STATEMENT:

In the legal profession, lawyers often face the challenge of efficiently researching, analysing, and summarizing vast amounts of case law and legal documents. The current manual process of retrieving and reviewing legal precedents, extracting relevant case details, and formulating counterarguments is time-consuming, error-prone, and inefficient. Legal teams need a streamlined solution that can assist in quickly summarizing legal documents, retrieving relevant case law, suggesting counterarguments, and formatting citations across various styles. Furthermore, a collaborative platform is needed to help legal professionals store, share, and refine their research, improving overall productivity and reducing the time spent on routine tasks.

PROPOSED SOLUTION:

Our AI-powered chatbot streamlines legal research by automating case summarization, case law retrieval, counter-argument generation, and citation formatting. It enhances collaboration and efficiency for legal professionals. Core Functionalities:

- Legal Case Summarization: Extracts and structures key details from legal documents.
- Case Law Retrieval: Finds relevant judgments based on legal arguments and case facts.
- Counter-Argument Generator: Suggests rebuttals and counterpoints using past case rulings.
- Citation Formatting: Generates citations in various styles (Bluebook, OSCOLA, SCC, AIR, etc.).
- Legal Research Storage: Saves past searches and retrieved cases for future reference.
- Collaborative Legal Workspace: Allows legal teams to share and refine case research.

User Interaction & Input Handling:

Users can input legal queries via:

1. Text Input – Entering case facts, keywords, or legal arguments.
2. Document Upload – Uploading legal documents in PDF, scanned images (OCR-supported), or DOCX formats.

AI Processing & Analysis:

- Case Analysis: Extracts legal provisions, case facts, and judgments.
- Structured Case Summary: Presents case details under six key heads (Case Name, Jurisdiction, Legal Provisions, Key Facts, Previous Judgments, Chronology of Events).
- Case Retrieval & Citation Formatting: AI searches legal databases and formats citations.
- Counter-Argument Suggestions: Generates rebuttals and counter-counterpoints for legal arguments.
- User Access & Customization: Allows users to refine summaries, save searches, and collaborate in a shared legal workspace.

Output & Accessibility:

- Text Summary: Well-structured legal brief.
- Formatted Citations: Supports multiple legal citation styles.
- Relevant Case Laws & Precedents: AI-recommended past rulings.
- Counter-Arguments & Rebuttals: AI-generated case-building suggestions.
- Download & Collaboration: Users can export summaries (PDF, DOCX) and collaborate with teams.

Link to the web page:

https://itnthumb.tn.gov.in/public_sector%20nnovation_challenge.html