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Email ID: [editor@ijmm.net](mailto:editor@ijmm.net) , [ijmm.editor9@gmail.com](mailto:ijmm.editor9@gmail.com)

## AI CHATBOT FOR LEGAL ADVICE

<sup>1</sup>Dr. P.Harini, <sup>2</sup>Gollaprolu Pardha Saradhi, <sup>3</sup>Darla Sri Sai Durga, <sup>4</sup>Addanki Manikanta

<sup>1</sup>HOD & Associate Professor, COMPUTER SCIENCE AND ENGINEERING, St. Ann's College of Engineering and Technology, Nayunipalli (V), Vetapalem (M), Chirala, Bapatla Dist, Andhra Pradesh – 523187, India

<sup>2,3,4</sup>U. G Student, Dept COMPUTER SCIENCE AND ENGINEERING, St. Ann's College of Engineering and Technology, Nayunipalli (V), Vetapalem (M), Chirala, Bapatla Dist, Andhra Pradesh – 523187, India

### ABSTRACT

*The AI Chatbot for Legal Advice is a web-based application designed to simplify and streamline access to legal information. It serves as a centralized platform for clients and legal experts to access and share real-time legal data. The system enables clients to pose questions, view legal information, and track their case status (for internal firm use), while legal administrators can manage legal documents, maintain knowledge bases, and monitor chatbot interactions. It transforms raw legal into an intelligent, on-demand advisory service, bridging the gap between complexity and user comprehension. The goal is to enhance efficiency, transparency, and accessibility in legal advice.*

### KEYWORDS:

*Legal Information, Web-Based Application, Knowledge Base, Legal Tech, Transparency, Real-Time Access,*

*Centralized Platform, Automation in Law, Legal Chatbot, Legal Dashboard.*

### INTRODUCTION

Artificial Intelligence (AI) has become one of the most significant technologies in the current fast-paced digital era, revolutionizing a number of industries, including healthcare, education, customer service, and the legal system. The chatbot, an automated conversational agent created to communicate with users using natural language, is one of the most well-known uses of artificial intelligence. Due to cost, availability, and geographic restrictions, people frequently struggle to obtain timely legal assistance in the traditionally complex and time-consuming legal field. By responding to user inquiries with immediate, trustworthy, and fundamental legal information, an AI chatbot for legal advice seeks to close this gap. The goal of this small project, AI Chatbot for Legal Advice (Basic Q&A), is to create a chatbot

that can use Natural Language Processing (NLP) methods to respond to commonly requested legal queries. Using a pre-established knowledge base, the chatbot analyzes the user's input text, converses with them, and provides pertinent answers. It acts as a first step for users to comprehend fundamental legal concepts and procedures, but it does not take the place of expert legal guidance. The system is made to be easily navigable, accessible, and able to answer questions about a wide range of legal topics, including family law, criminal law, civil law, and consumer rights. The goal of the chatbot's integration of AI-driven conversation models is to provide consumers with prompt, contextually relevant, and understandable responses. Many reasons, including high consultation fees, a shortage of legal specialists, and complex legal jargon that is hard for the general public to grasp, frequently make it difficult for people to get legal counsel. People may not always have the time or resources to consult a lawyer when they have urgent legal questions.

## LITERATURE REVIEW

Recent scholarly studies unequivocally demonstrate the expanding potential of

artificial intelligence, especially chatbots and Natural Language Processing (NLP), AI chatbots are fundamentally transforming the legal field by offering immediate and easily accessible support for users' fundamental legal issues, a potential first explored by Smith et al. (2019). Subsequent technological advancements include Kumar and Reddy's (2020) powerful NLP-based chatbot for handling frequently asked legal questions.

Johnson (2021) highlighted the wider shift, demonstrating how these conversational agents provide instant legal advice, significantly reducing the need for traditional manual consultations. Ultimately, the work by Lee (2022) emphasizes the crucial role of Natural Language Processing (NLP) in helping the public grasp complex legal concepts and procedures.

## RELATED WORK

In this project Legal professionals frequently face difficulties including delays, mistakes, and lost client chances as a result of their old manual methods, which involve paper files and spreadsheets. The legal industry is moving toward digital solutions that consolidate client profiles, case

histories, and legal precedents in order to get around these restrictions. By guaranteeing data accuracy, removing duplicate records, and increasing the verification of clients' eligibility for legal assistance, these digital systems greatly increase efficiency. Effective case management also requires real-time communication between clients, attorneys, and assistants to avoid misunderstandings caused by out-of-date information. The development of legal AI chatbots has thus been fueled by the need for increased effectiveness, transparency, and prompt updates. By automating first consultations, providing fast access to legal knowledge, and effectively connecting clients with the right resources or legal specialists, this technology is increasingly essential for increasing company reputation and client happiness.

## EXISTING METHOD

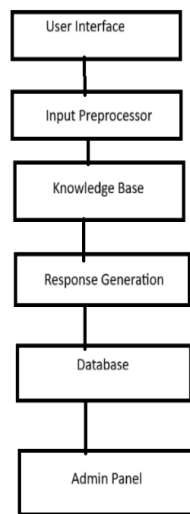
Existing legal AI chatbots primarily leverage Natural Language Processing (NLP) and Machine Learning (ML), often built on advanced large language models (LLMs) like GPT technology. These chatbots serve several critical functions: they automate client intake and qualification, provide instant

answers to FAQs, and generate first drafts of legal documents or contracts. For legal professionals, AI tools like Counsel and Harvey specialize in complex tasks such as legal research, document review, and risk analysis by rapidly summarizing and synthesizing vast amounts of case law. The goal is to provide 24/7 accessibility and enhance efficiency while mitigating the LLMs' tendency for "hallucination" by ensuring all advice is accurately cited and traceable to a credible legal source.

## PROPOSED METHOD

The proposed system is an AI-based chatbot that provides instant answers to basic legal questions. It uses Natural Language Processing (NLP) to understand user queries and responds from a predefined knowledge base. This system makes legal information more accessible, time-saving, and user-friendly, especially for people who need quick guidance without visiting a lawyer or browsing lengthy legal documents.

## ARCHITECTURE



**Figure 1: System Architecture**

## METHODLOG DESCRIPTION

**User input Handling:** The first step is to receive the user's query via a web or mobile interface. The chatbot accepts both text and voice inputs, which are normalized for further processing.

**Natural Language Processing:** The input query is processed using NLP techniques, including tokenization, stemming, intent detection, and entity extraction. This step ensures the chatbot understands the legal domain and context of the user's request. **Knowledge Base Search:** Once the intent is identified, the system searches the knowledge base, which contains verified legal FAQs, laws, and guidelines. The search algorithm ranks relevant results for precision.

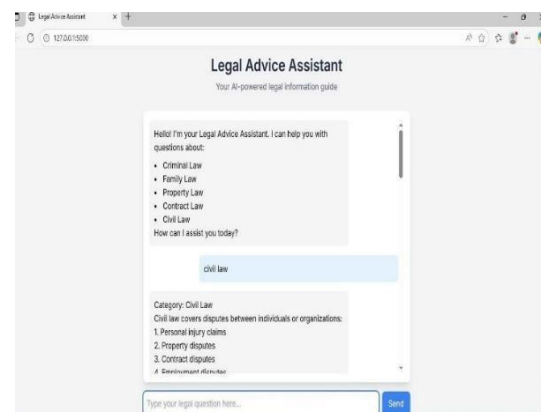
**Response Generation:** The chatbot formulates a human-readable, context-aware response using templates or dynamic text generation, ensuring the answer is simple and understandable for non-legal users.

**Logging & Feedback Storage:** All queries and responses are stored in the database for analysis, enabling system improvements and personalization.

### Admin Panel Operations:

Administrators can update legal content, manage datasets, monitor chatbot accuracy, and review user feedback for continuous improvement.

## RESULTS & DISCUSSION



**Figure 2: Dashboard**

It's an AI-powered information guide offering help on topics like Criminal, Family, Property, Contract, and Civil Law. The user has queried "civil law", and the assistant has responded with a definition and examples of the types of disputes it covers.



**Figure 3: Legal Advice Assistance**

It lists key types of civil disputes, such as personal injury and property matters. The screen also provides suggested follow-up questions for the user, like "How do I file a lawsuit?" and "What is the statute of limitations?".

## CONCLUSION

The development of the AI Chatbot for Legal Advice showcases the powerful integration of Artificial Intelligence (AI) and Natural Language Processing (NLP) in providing accessible preliminary legal information. The system offers a user-friendly conversational interface where individuals can seek guidance on various areas of law, including criminal, civil, property, contract, and family law. By leveraging advanced NLP techniques, the chatbot interprets user queries effectively and provides contextually relevant responses. This approach enhances accessibility to legal knowledge, reduces dependency on human advisors for basic

queries, and helps users gain initial awareness before consulting legal professionals. The chatbot's design prioritizes accuracy, reliability, and ethical response generation, ensuring that users receive useful, non-biased, and informative content.

## FUTURE SCOPE

For future enhancements, the chatbot can be improved by integrating machine learning-based self-learning mechanisms, enabling it to refine responses through continuous user interaction. The system can also incorporate speech-to-text and multilingual capabilities to reach a broader audience. Integration with legal databases and real-time case law updates will improve information accuracy and relevance. Additionally, implementing secure user authentication, data encryption, and cloud-based scalability will strengthen its reliability and ensure safe usage. Incorporating Generative AI models and context-aware reasoning will make the chatbot more intelligent, adaptive, and conversationally natural. These improvements will help make the chatbot more intelligent, reliable, and user-friendly.

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