AI-Legal Assistant

Niranjan Kudalkar, Saloni Bhandari, Sneha More, Fahim Patel

*Niranjan A. Kudalkar(student)**,** computer science and engg., Sanjay Ghodawat Institute*

*Saloni S. Bhandari(student)**,** computer science and engg., Sanjay Ghodawat Institute*

*Sneha S. More(student)**,** computer science and engg., Sanjay Ghodawat Institute*

*Fahim J. Patel(student)**,** computer science and engg., Sanjay Ghodawat Institute*

Guide: Mr. Suraj.S.Jamadar(lecturer), computer science and engg., Sanjay Ghodawat Institute

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Abstract –

The Project is aimed to develop an AI Bot for social use named AI Legal Assistant. The system will be an online web application that can be accessed by the public with proper login provided. The system can be used as an application for the common people, who can't afford professional lawyers and advocator's fees. For people in remote areas or with limited access to legal professionals, AI Legal Assistance can offer them a platform to create their legal documents and solve their law-related queries. With this system, users can effortlessly generate legal documents. Generating legal documents manually can be time-consuming and error-prone. AI Legal Assistant streamlines the process significantly reducing the time required to create documents. To educate the user to get better knowledge about the legal concepts which will help them to understand better, the documents they are dealing with.

1.INTRODUCTION

In today's world, where people have very little or no knowledge about legal services and are searching for justice and legal problems, the AI legal assistant, becomes like a lighthouse, guiding them. This project creates space for this group of people by democratizing every aspect of legal systems including geographic boundaries and social economic class. This platform can be life-saving if one lives miles away from lawyers or it isn't easy to reach them. It makes it easy to draft key legal documents. Fortunately, you'll not take much time, and will not need to bother with any errors in the process. This user-friendly platform gives access to legal empowerment by providing help and easy guidance on document creation.

However, this goes beyond document generation. It wants to teach you. Our AI Legal Assistant is aimed at enhancing your comprehension of legal matters. This will help you use legal documents and also give you skills that will enable you to handle your legal issues confidently and competently. In summary, AI-legal Assistants can transform the legal services industry by providing better access to legal aid,

improving efficiency, and reducing costs. Nevertheless, lawyers have to be aware of the constraints and ethics surrounding this use and employ these technologies responsibly within the framework of the law.

2. Review of Literature

2.1 Study of Existing System

1. **Human Lawyers**: Individuals in need of legal advice or document preparation typically consult human lawyers or legal professionals. They provide legal guidance, draft documents, and represent clients in legal proceedings.

2. **Consultations:** Users must schedule appointments with lawyers, which can be time-consuming and expensive. Remote or underserved areas may face challenges in accessing legal advice. **3. Manual Document Creation**: Legal documents, such as contracts, wills, or legal notices, are typically created manually by lawyers or individuals. This process can be error-prone and time-consuming.

4. **Costly Services:** Professional legal services come at a cost, making it inaccessible for some individuals, especially those with limited financial resources.

5. **Legal Education:** Users often need to rely on their own legal research or the expertise of lawyers to understand legal concepts and navigate legal matters. Legal education is not readily available to the public.

6. **Complexity:** The legal system is known for its complexity, with numerous laws, regulations, and jargon that can be challenging for non-lawyers to comprehend.

7. **Lack of Standardization:** The quality of legal advice and document preparation can vary based on the skills and experience of the lawyer, leading to inconsistent outcomes.

2.2 Findings from Literature Review

By studying and taking an overview of the above existing system we have concluded that they have features as listed above. The absence of an AI Legal Assistant means that people must depend on the existing legal infrastructure, which may not always be accessible, affordable, or efficient for all individuals. The introduction of AI Legal Assistant aims to address some of these limitations by providing a more affordable, accessible, and user-friendly alternative for legal assistance and document generation.Problem Statement/Problem Definition

2.3 Problem statement

The proposed system acts as a solution for all the problems faced by the people facing their legal problems. One can get justice from our proposed system with the proper solution in a few seconds. The Project aims to develop an AI Bot for those people named AI Legal Assistants. The system will be an online web application that can be accessed by the public with proper login provided, with user-friendly UI which will help the general people to interact with the system. The system will save the time required for concerning the lawyer for general purpose questions, it will save the attorney's fees . Our AI Legal Assistant will also help you understand legal things better. This will not only make it easier for you to use legal documents but also give you the skills to deal with your legal problems confidently and competently.

2.4 Project Scope

The scope for an AI-Legal Assistant is promising and multifaceted. Its potential lies in revolutionizing the accessibility and affordability of legal services for the general public, particularly for those in underserved or remote areas. By offering a user-friendly platform for document generation, the AI-Legal Assistant can significantly reduce the time and effort required for creating legal documents, thereby enhancing efficiency and minimizing errors. Furthermore, its educational component can empower users with a comprehensive understanding of legal concepts, fostering increased legal literacy and enabling individuals to navigate their legal concerns with greater confidence and competence.
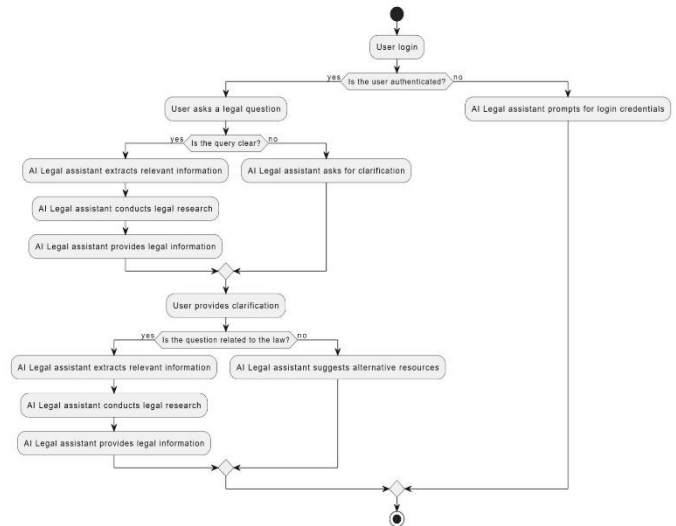
3. Objective of Proposed System

1. Streamlined Document Generation: Develop an efficient and user-friendly platform that simplifies the process of creating legal documents, reducing the time and potential errors associated with manual document preparation.

2. Legal Empowerment and Education: Empower users with a comprehensive understanding of legal concepts, enabling them to comprehend and navigate legal documents and procedures with increased confidence and competence.
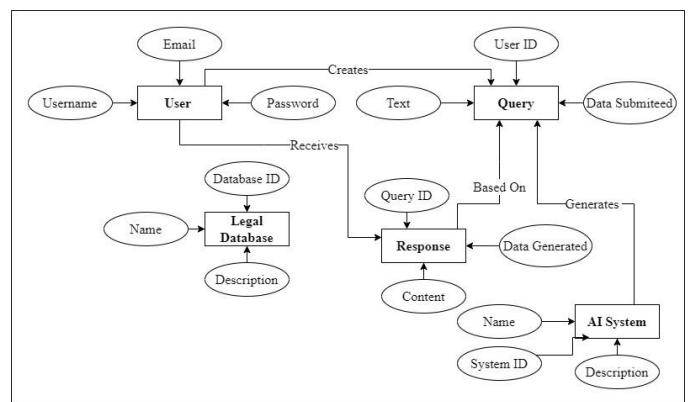
3. Cost-Effective Solutions: Provide an affordable alternative to traditional legal services, particularly for individuals who may not have the financial means to access professional legal assistance.
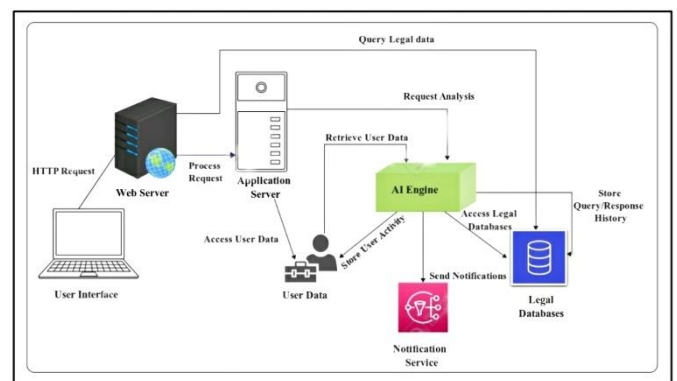
5. Methodology

5.1 Flow diagram

5.2 ER Diagram

5.3 System Architechture

5.4 DFD Diagram

5.5 Modules of software system

• **User:** The user submits query and get the relevant answer.

• **AI System:** The system Process the query , extract relevant information and provide relevant insights.

6.Requirements

6.1 Software Requirements

6.1.1 Frontend

- Html
- Telven CSS
- ReactJS

6.1.2 Backend

- Django
- Firebase

6.2 Hardware requirements

- Server AWS
- Ram: 4 gb
- Processor : intel core i3
- Storage : 256 gb

7. Application of proposed System

The AI Legal Assistant is just like a smart helper for common people that helps them to understand the content and ensures that they are aware of what they are agreeing to or signing. It will help them by summarizing any long or complicated Cases by giving short and clear summaries. Our AI Legal Assistant is like having a Super-fast Research Assistant.

1. Common people: Helps people to understand legal papers, like agreements, contracts, and property papers by converting them into simple terms. Providing quick answers to their legal questions. Makes them grasp the main points without getting lost in legal jargon.

2. Legal Departments in Companies: For Companies with a Legal Team, the AI Legal Assistant will organize all the legal documents for Managing and understanding legal stuff, making work easier for the legal team.

3. Individual Lawyers: For Solo Lawyers, the AI Legal Assistant is like a clever companion. Using which Lawyers can work more efficiently, sort the documents faster, etc.

8. Advantages and Disadvantages

8.1 Advantages

1. Time-Saving
2. Provide fast and clear answers to each personal Legal   Questions
3. Creating simple Summaries of Legal Cases.
4. Efficient Data Management.
5. Fast Insights for Decision-Making
6. Cost-Effective Legal Support Disadvantages.

8.2 Disadvantages

1. Misinterpretation of Context
2. Initial Learning Curve

9. Conclusion and future work

In Conclusion, the AI Legal Assistant is useful for the regular citizenry, legal teams in the company, and solo lawyers. It makes legal work easier and faster. While it brings benefits like saving time, providing Fast Insights, etc. It acts as a user-friendly tool to navigate legal processes. However AI Legal Assistant bridge the gap between legal complexities and everyday understanding making law more reachable to everyone. They also provide cost-effective solutions to help individuals

10. Bibliography

- Smith, John. "Transforming Legal Services: The Role of Digital Platforms." Law and Technology Journal, vol. 24, no. 3, 2021, pp. 45-60.
- Legal Research and Writing: A Practical Approach for

  Paralegals ~ Robert P. O'Neill Jr.
- Journal of Artificial Intelligence Research (JAIR)
- Davis, Alice. "Alternative Dispute Resolution in the Digital Age: Trends and Innovations." International Journal of Law and Technology, vol. 15, no. 1, 2022,pp. 120-135.
- United Nations. "Global E-Commerce Trends and Implications for Legal Services." UN E-Commerce Report, 2021.