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Legal Advisor using React and API

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Abstract: Legal Advisor Using React and API is an AI-powered web application designed to provide basic legal guidance for users facing real-life legal issues. The system allows users to describe their problems in natural language and generates appropriate legal recommendations, procedural steps, and preventive suggestions. Developed using React and API integration, the platform offers a simple and user-friendly interface for accessing legal information quickly. The application helps improve legal awareness and accessibility by assisting users with common issues related to cybercrime, consumer rights, property disputes, and civil complaints. The project demonstrates the effective use of Artificial Intelligence in modern legal assistance systems.

Index Terms - Artificial Intelligence (AI), Legal Advisory System, Natural Language Processing (NLP), React.js, API Integration, Legal Recommendation System.

I. INTRODUCTION

The advancement of Artificial Intelligence has created new opportunities in the field of legal technology by improving access to legal information and guidance. Many people face difficulties in understanding legal procedures due to lack of awareness, high consultation costs, and limited access to legal professionals. The proposed project, **Legal Advisor Using React and API**, aims to provide an AI-powered platform that offers preliminary legal assistance based on real-life user scenarios. The system allows users to describe their legal problems in natural language and generates suitable legal recommendations, procedural guidance, and preventive suggestions. Developed using React and API integration, the application ensures a user-friendly and responsive interface for effective interaction. The project focuses on improving legal accessibility, spreading legal awareness, and supporting users in understanding basic legal actions related to common issues such as cybercrime, consumer complaints, and civil disputes through modern web technologies and intelligent processing systems.

II. LITERATURE SURVEY

The project reviews various AI-based legal assistance methodologies. Kumar and Sharma (2023) explored legal chatbots for preliminary legal guidance. Rao et al. (2024) studied Natural Language Processing techniques for analyzing legal queries. Singh and Patel (2025) proposed an API-based legal recommendation system. These studies support the development of intelligent legal advisory platforms.

III. SYSTEM ANALYSIS

3.1 Existing System

Existing legal assistance systems mainly depend on manual consultation with lawyers, legal offices, or static legal websites. These systems are often time-consuming, expensive, and difficult for common users to understand. Most platforms provide only general legal information and lack intelligent interaction, personalized guidance, and real-time legal recommendations based on user scenarios.

3.2 Proposed System

The proposed system, **Legal Advisor Using React and API**, is an AI-powered web application that provides legal guidance based on user-provided real-life scenarios. The system analyzes user input using API integration and generates suitable legal recommendations, procedural steps, and preventive suggestions through a simple, user-friendly, and accessible interface.

IV. SYSTEM REQUIREMENTS

The proposed web application requires a system with an Intel i3 processor or above, a minimum of 4 GB RAM, 100 GB storage capacity, and a stable internet connection for proper functioning. The software requirements include Windows 10 or Windows 11 operating system, React.js for frontend development, Node.js for backend support, and API integration for generating legal recommendations. A modern web browser such as Google Chrome or Microsoft Edge is required to run the application efficiently. Visual Studio Code can be used as the development environment for coding and project management.

V. MODULE DESCRIPTION

The project is divided into several key modules: (1) User Scenario Input Module: Allows users to describe real-life legal issues in natural language. (2) AI Processing & API Integration Module: Analyzes user input and processes legal queries using AI-powered API services. (3) Legal Recommendation Module: Generates suitable legal suggestions, procedural guidance, and preventive measures based on the user's issue. (4) Legal Knowledge Base Module: Stores legal information related to cybercrime, consumer rights, civil disputes, and complaint procedures. (5) Reporting & Response Module: Displays legal guidance and recommendations through a simple and user-friendly web interface..

VI. SYSTEM IMPLEMENTATION

The proposed system is implemented using React.js and API integration to analyze user-provided legal scenarios and generate appropriate legal recommendations. The web application provides a fast, responsive, and user-friendly interface for delivering basic legal guidance and procedural suggestions efficiently.

VII. CONCLUSION AND FUTURE ENHANCEMENT

7.1 Conclusion

The proposed Legal Advisor Using React and API system provides accessible and intelligent legal guidance for users facing real-life legal issues. By integrating Artificial Intelligence with web technologies, the application improves legal awareness, simplifies legal procedures, and delivers quick recommendations through a user-friendly and efficient platform.

7.2 Future Enhancements

The system can be enhanced with multilingual support, voice-based interaction, document upload features, real-time lawyer consultation, and advanced AI models for more accurate legal analysis and personalized recommendations.

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