

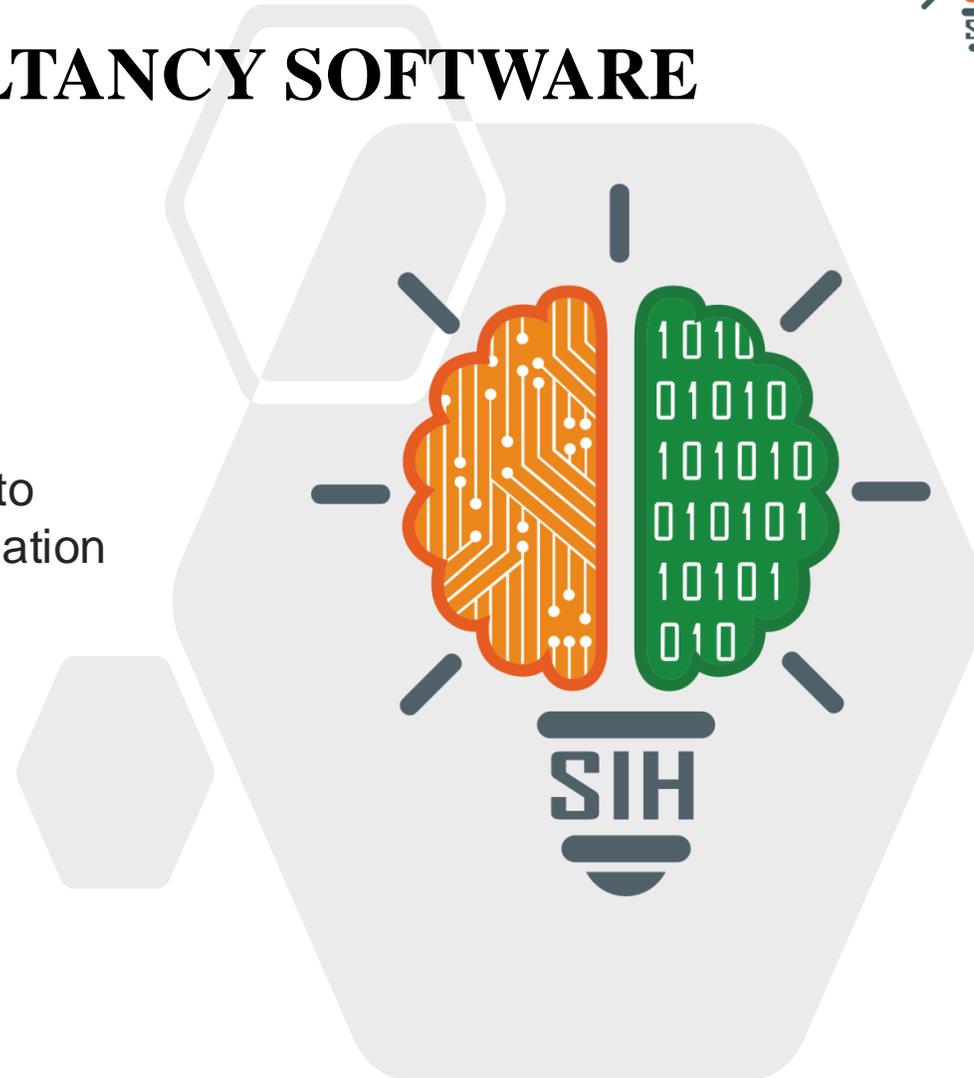
SMART INDIA HACKATHON 2024



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LAW AI CONSULTANCY SOFTWARE

- **Problem Statement ID-** SIH1786
- **Problem Statement Title-** A Software, AI App to provide legal information
- **Theme-** Smart Automation
- **PS Category-** Software
- **Team ID-** 35191
- **Team Name-** Code-A-Cola



LAW AI CONSULTANCY SOFTWARE

Your Personal LawBOT



Idea / Solution :

An AI-driven app that streamlines legal investigations with::

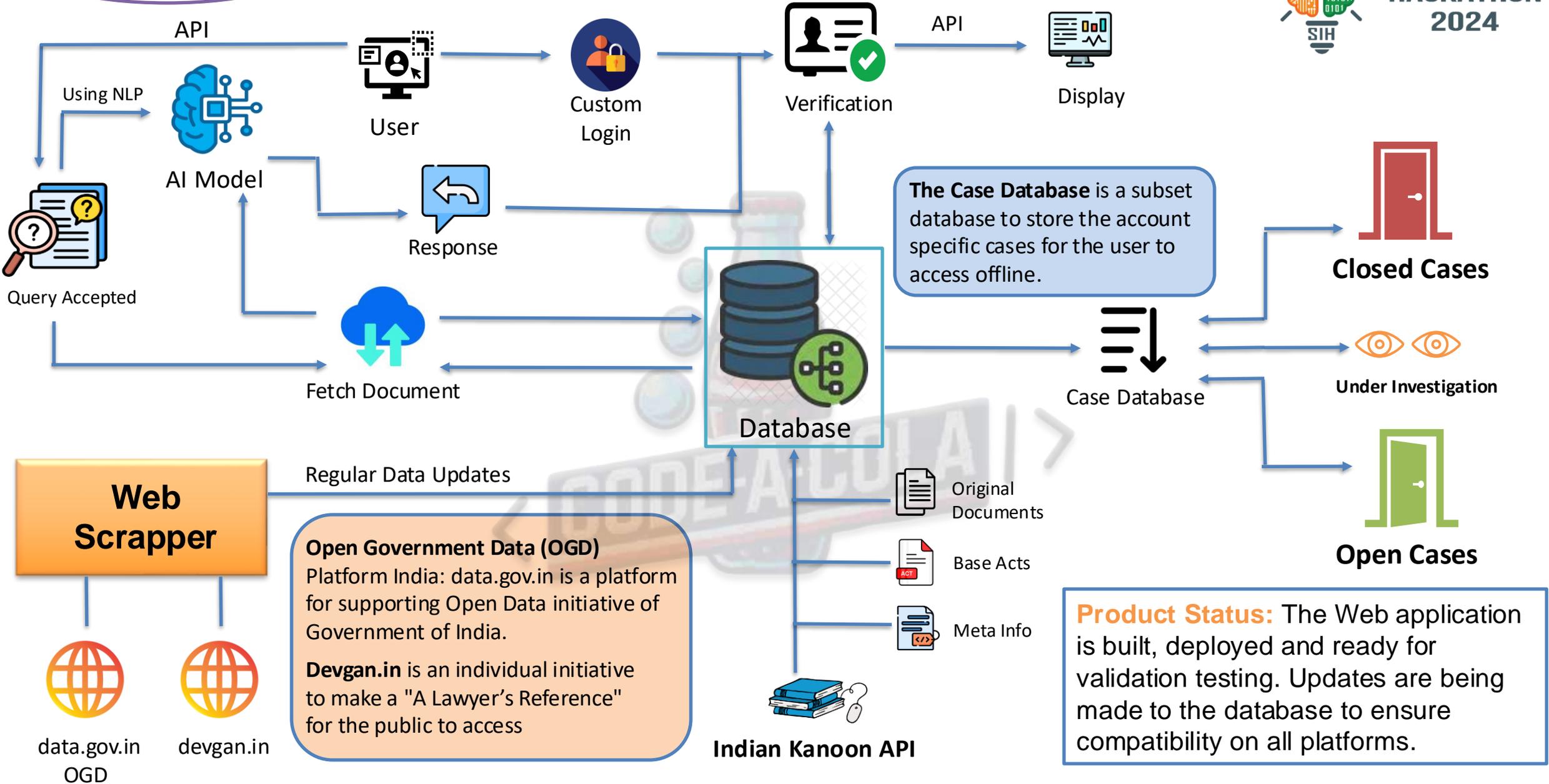
- ❖ **User-Friendly Interface:** Simple data input via text or voice offers explanations of recommended legal sections with review option.
- ❖ **NLP & Legal Database:** Interprets incident details and connects to legal databases for relevant laws.
- ❖ **AI Recommendations:** Suggests accurate legal sections for FIRs using AI, learning from past cases.
- ❖ **FIR Management:** Secure digital storage for FIRs, offering analytics for trend insights.
- ❖ **Unified Platform:** Centralized repository of updated laws with easy search by act, section, or keyword.
- ❖ **Offline & Multi-Language:** Supports offline use and multiple languages.
- ❖ **Available on all platforms:** Web, Android, iOS, Windows, Mac for seamless access across devices.

Problem Resolution :

- ✓ Prevents investigation delays by automating the process.
- ✓ Ensures precision in applying legal sections and avoids errors during the filing of FIRs.
- ✓ Consolidates scattered legal resources for comprehensive insights in one place.

Unique Value Propositions (UVP) :

- ❑ Provides access to robust database and secure FIR management.
- ❑ Real-time Legal updates for current references.
- ❑ Multilanguage and Offline Support helps to cater diverse user needs.
- ❑ Simple interface providing personalized solutions and review options for investigation process.
- ❑ Predict outcomes using past case analysis and crime pattern recognition.
- ❑ Use blockchain or smart contracts to track evidence and details across the database, ensuring its integrity.



The Case Database is a subset database to store the account specific cases for the user to access offline.

Open Government Data (OGD)
Platform India: data.gov.in is a platform for supporting Open Data initiative of Government of India.

Devgan.in is an individual initiative to make a "A Lawyer's Reference" for the public to access

Product Status: The Web application is built, deployed and ready for validation testing. Updates are being made to the database to ensure compatibility on all platforms.

Technical Feasibility:

- **NLP Integration:** It interprets legal terms and incidents.
- **AI Algorithms:** Recommends relevant legal sections based on case patterns.
- **Database Connectivity:** Provides real-time access to updated legal databases.

Market Feasibility:

- **High Demand:** Growing need for tech solutions in legal investigations.
- **Wide Audience:** Serves law enforcement, legal professionals, and businesses.
- **Competitive Advantage:** Delivers AI insights and multi-language support.

Financial Feasibility:

- **Cost Savings:** Lowers manual effort and costs for legal entities.
- **Subscription Revenue:** Generates income from subscription models for agencies.
- **Investment Appeal:** Attractive to investors due to scalability in the AI legal tech market.

Challenges and Solutions:

- ❑ **Data Privacy and Security:** Implementation of robust encryption, access controls, and adhere to data protection laws (e.g., GDPR) can ensure data security.
- ❑ **Accuracy and Reliability:** Regular updates of AI algorithms and incorporation of feedback mechanisms for continuous improvement.
- ❑ **Integration with Existing Systems:** Designing the app with flexible APIs and compatibility features to facilitate seamless integration.
- ❑ **Legal and Ethical Concerns:** Establishing guidelines for ethical AI use, conducting regular audits for bias, and maintaining transparency in AI processes.
- ❑ **Cost of Development and Maintenance:** Secure funding through grants, partnerships, or a subscription model to distribute costs and ensure sustainability.
- ❑ **User Adoption and Resistance:** Offering demonstrations, highlighting the app's benefits in enhancing rather than replacing human expertise.

Potential Impact on Target Audience

Positive:

- **Accurate FIRs:** Ensures complaints are documented correctly, reducing legal errors and omissions.
- **Faster case preparation:** Streamlines legal research, saving time and effort in case preparation and analysis for legal professionals.
- **Empowers Police Officers:** Reduces dependence on legal experts, boosting confidence and efficiency.
- **Educational Tool:** Simplifies case law study and aids in academic research for law students.
- **Serves General Public:** Improves understanding of legal rights and landmark judgments that impact their lives.
- **Wider Accessibility:** Easily available across all platforms, providing real-time legal guidance anytime, anywhere.

Negative:

- **Over-Reliance on AI:** Reduces critical thinking, potentially overlooking important legal nuances that require human judgment.
- **Flawed decisions & compliance:** Bias in AI insights can affect corporate matters like contract laws, intellectual property and policy decisions.

Social Benefits:

1. **Access to Justice:** Empowers individuals with legal information and awareness of rights.
2. **Public Understanding:** Simplifies legal concepts for broader accessibility.

Economic Benefits:

1. **Cost Reduction:** Lowers operational costs for legal entities by streamlining processes.
2. **Time Savings:** Speeds up investigations, enhancing productivity for professionals.

Environmental Benefits:

1. **Reduced Paper Usage:** Digitization minimizes reliance on physical paperwork.
2. **Lower Carbon Footprint:** Reduces travel and in-person meetings, decreasing emissions.



LIVE LINK (WEBAPP) - <https://fir-chatbot.vercel.app>

SOFTWARE DOWLOAD LINK (APK: 2.8 MB)

https://drive.usercontent.google.com/download?id=1IPszpovE10_TFEdpZn9Ufbg13sfMSxAz&export=download&authuser=0

REFERENCE LINKS -

- **Open Government Data:** <https://www.data.gov.in/>
- **Law Research:** <https://devgan.in/>
- **Data Source:** <https://api.indiankanoon.org/>

