



**JUSTIZEN**  
Know your law.

# OUR TEAM

## #justthejustizens

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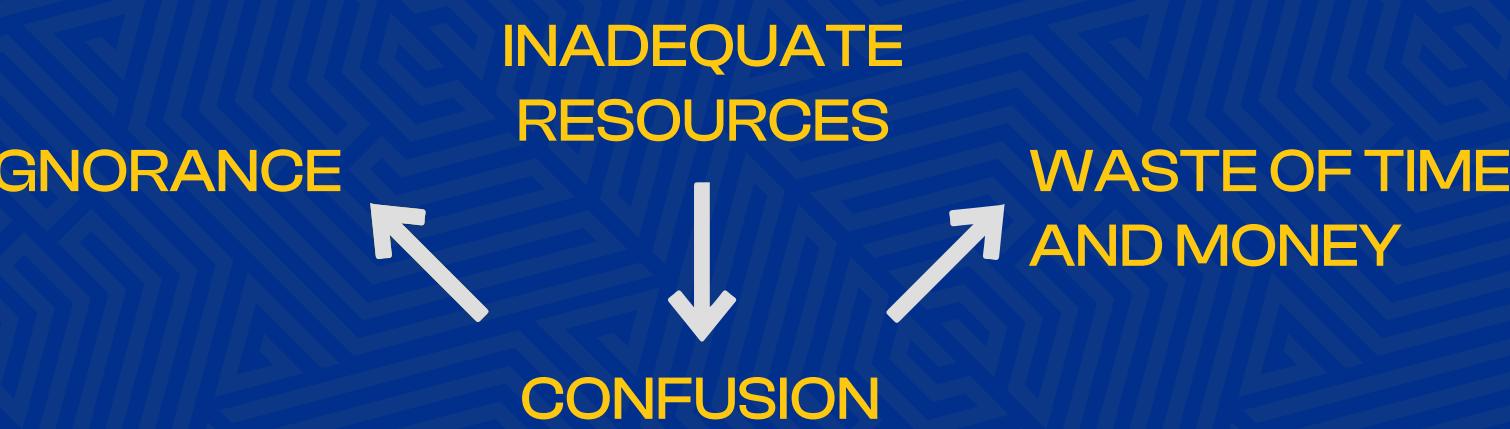
# ABSTRACT

There are various laws and rights in **Indian Constitution** and **Indian Penal Code** which are of various types and each law has various sections for various cases and most of the laws are updated periodically.

# IPC

The reason behind this is that the laws are sometimes outdated and **updated often** with sub-sections of a specific law. It is made difficult for a common man to comprehend the laws easily and remember them.

Due to the difficulty being faced by them in this regard, they consult lawyers or people in the judiciary department and it is a time-consuming process. It might be subject to spending a lot of money if they fail to abide by the law.



If a person even tries to find out about the problem, it also consumes a lot of time because of the amount of content from which he/she has to find about a particular thing and the content is also very complicated.

Apart from that, there are no other apps or webpages available that provide summarized information on all the laws of IPC, or at least they aren't easily accessible. This is where Justizen comes to play.



So, to solve this problem we are trying to make a mobile application that gives you summary about any law in the Indian Penal Code (IPC) in simplified words.



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# PROBLEM STATEMENT



In the Indian Penal Code there are various laws and each laws have various sections and sub sections are they keep on changing or updating with the passage of time. The laws in Penal Code have very complicated terms which is very hard for a common person unrelated to judiciary or administration department to have knowledge about it and those terms can be easily mis-interpreted.

The motive of this project is to develop a mobile application that will provide summarized details of all the laws in Indian Penal Code in simple language and to get the information we do not require any details in advance. We are supposed to type some key words related to the law we are searching about and we will get the details.



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# PROJECT OBJECTIVE

It will help common people to know about different laws and rights on their fingertips, in case necessary. It will save their time and money that they have to spend on getting the information and will allow them to not keep track of the laws and rights that are updated every single day but people don't remember it because they are not needed in everyday life.

It will also help people in interpreting the law thoroughly and correctly as it is seen that there are many terms in law book that is misunderstood by the people because they have very less knowledge about the law.



Time is money.  
Imagine being  
able to save both!  
  
And law is never  
supposed to be  
misunderstood.



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# RESEARCH GAP AND NOVELTY

The extent to which such an app can increase legal literacy among the general people and its effects on the legal system are the subject of scant research. It will need more research to determine how user-friendly the app is and whether it can accommodate users with different levels of legal knowledge.

The app will make use of text analysis and machine learning algorithms to extract the most significant legal information and provide a overall development of the company of the essential law.

The app's capacity to have real-time updates on changes to the IPC is another distinctive feature. By doing this, the app's content will always be current and accurate, giving users access to the most essential information.

The difficulties of creating such an app and how it may be made accessible to those with impairments would also be intriguing to examine. It is also necessary to investigate how the app can be utilised as a substitute for conventional legal aid programmes and how well it can meet the needs of those with little access to legal services.

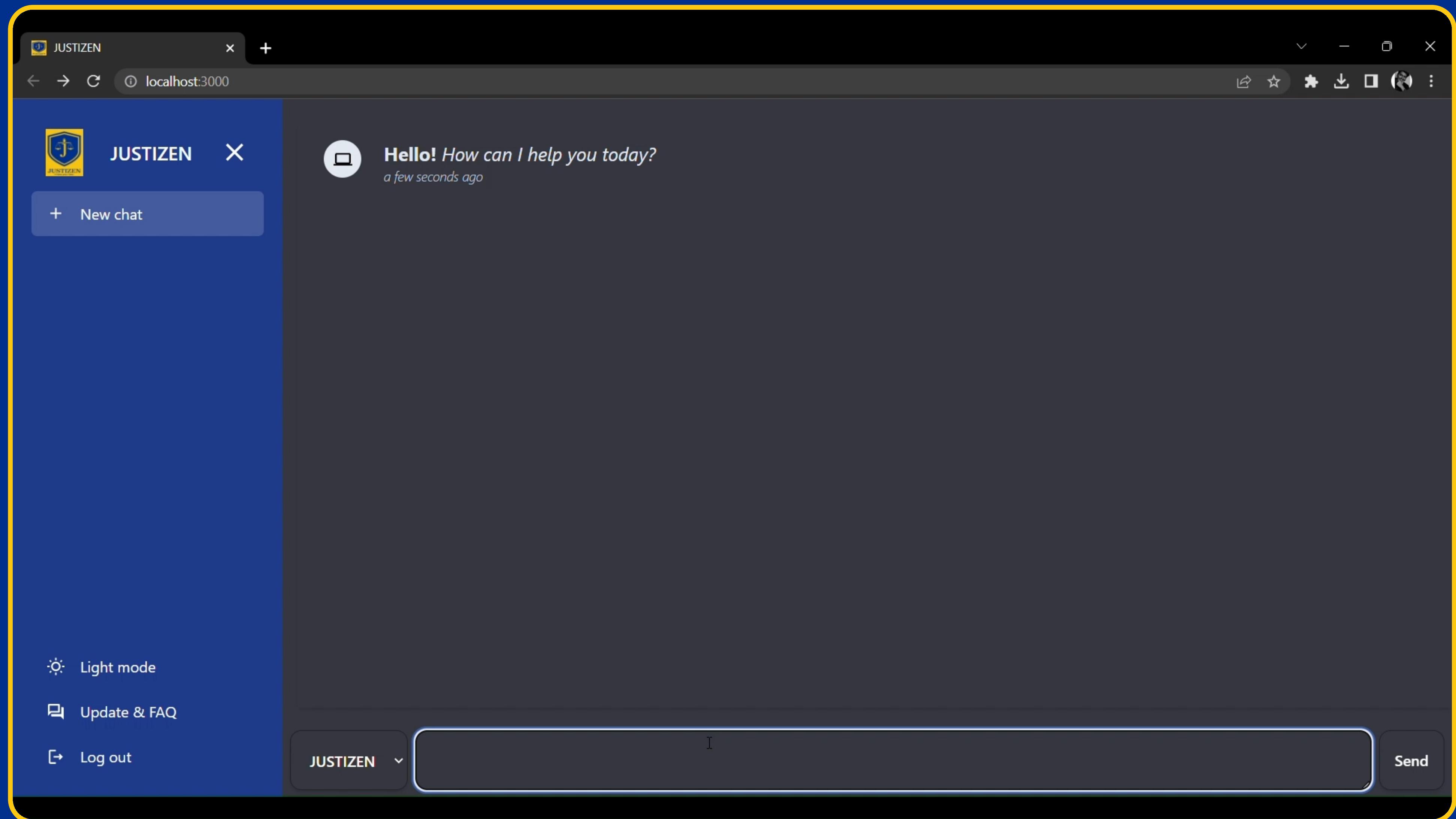
Because there is a shortage of scientific data on the efficiency, usability, accessibility, and impacts of an app that summarises the Indian Criminal Code's laws, this deficiency constitutes a research gap for the project as proposed.

Overall, the novelty of this project lies in its innovative use of NLP techniques, real-time updates and interactive elements to create an accessible, comprehensive, and user-friendly platform for legal literacy.



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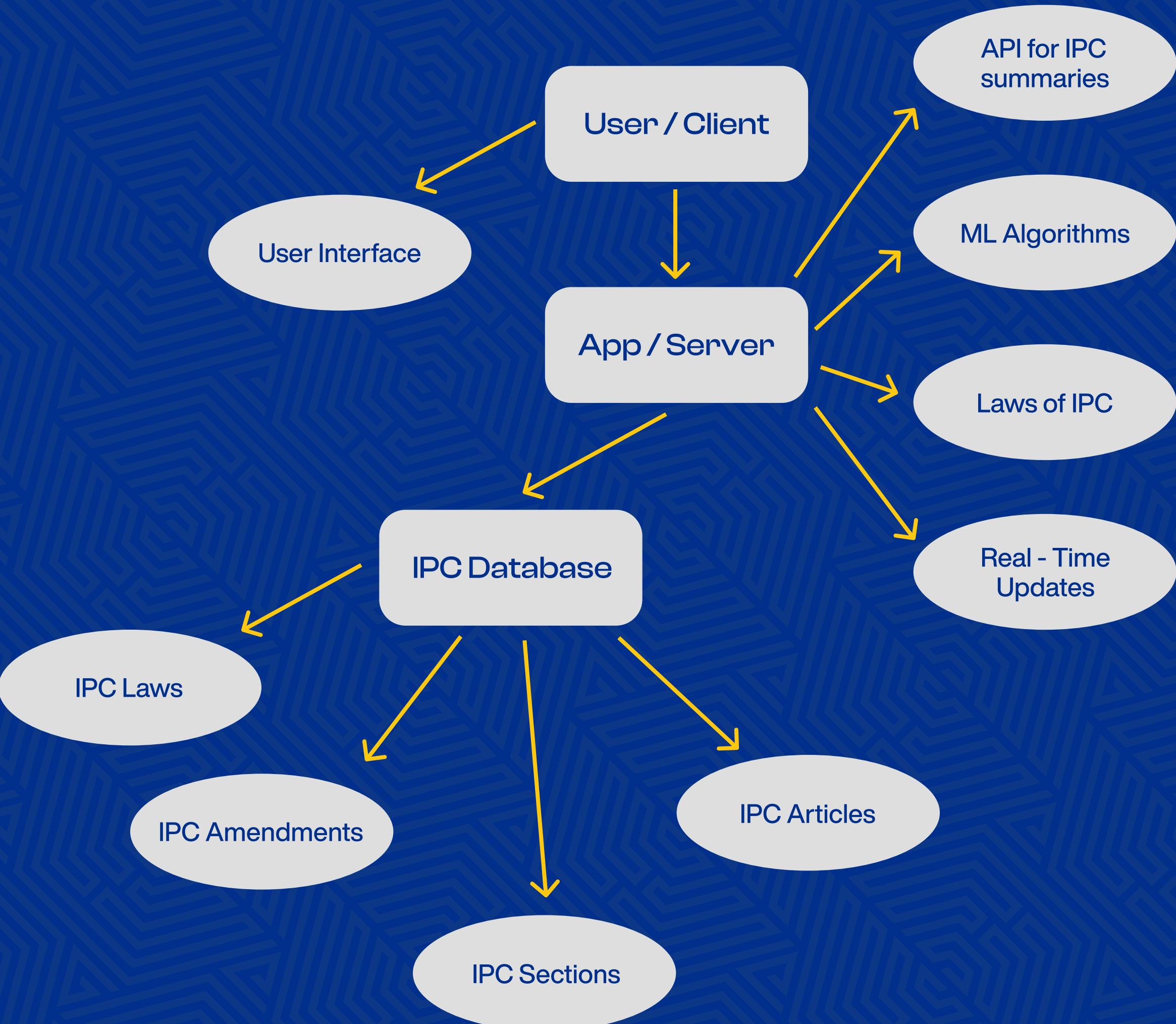
# OUTCOMES





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# ARCHITECTURE DESIGN



In this architecture, the user client interacts with the user interface of the app, which provides summaries of the laws in IPC, quizzes, and interactive elements. The user interface also includes features for notifications and alerts. The user client communicates with the application server through a REST API, which provides the necessary services to the user client.

The application server contains APIs to serve IPC summaries, authentication and authorization modules, machine learning algorithms and a database to store IPC laws and amendments. The real-time update module ensures that the IPC database is always up-to-date.

The IPC database stores the laws, amendments, sections, and articles of the Indian Penal Code, which are accessed by the application server to provide the necessary summaries to the user client.

Overall, this architecture ensures that the app provides accurate and up-to-date summaries of the laws of the IPC while ensuring the security of user data through authentication modules. The machine learning algorithms provide a user-friendly and accessible platform for legal literacy.



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# REFERENCES

AI-enabled privacy-preservation phrase with multi-keyword ranked searching for sustainable edge-cloud networks

<https://www.sciencedirect.com/science/article/pii/S1570870521002250>

The integration of sensing technologies and cloud computing signifies the design perspectives of electronic healthcare systems. It has its own application domain to upload the clinical data of the patients and treatment procedures to the cloud server. Moreover, the data user may process the queries with suitable sensing parameters to obtain an appropriate medical record.

As a result, the development of the Industrial Internet of Things (I-IoT) demands practical insights, trustworthiness, and reliability of intelligent automation to prevent the occurrence of potential risks in the process of production. In the past, multi-keyword searching (MKS) over encrypted cloud data has attracted researchers' attention.

**The Indian Penal Code, 1860**

Ministry of Home Affairs, Government of India

This is the official document that contains all the laws and provisions of the Indian Penal Code.

You can refer to this document to ensure that your app covers all the relevant laws and provisions.

**iPleaders**

iPleaders is an online legal education platform that offers courses on various legal topics, including the Indian Penal Code.

It also has a blog section where you can find articles and updates related to the code.