



**SMART INDIA  
HACKATHON  
2022**

# **Basic Details of the Team and Problem Statement**

**Ministry/Organization Name/Student Innovation:**  
Ministry of Law and Justice

**PS Code:**SIH1283

**Problem Statement Title:**Digital Assistant for Legal Awareness and Designing a KYC framework in India

**Team Name:** Justice League

**Team Leader Name:** Narottam Sahu

**Institute Code (AISHE):** AISHE C-34167

**Institute Name:** Ramrao Adik Institute of Technology

---

**Theme Name:** Smart Education

## Legal Rights Education

Educate users about their legal rights on different laws, allowing users to make informed decisions and protect their interests.

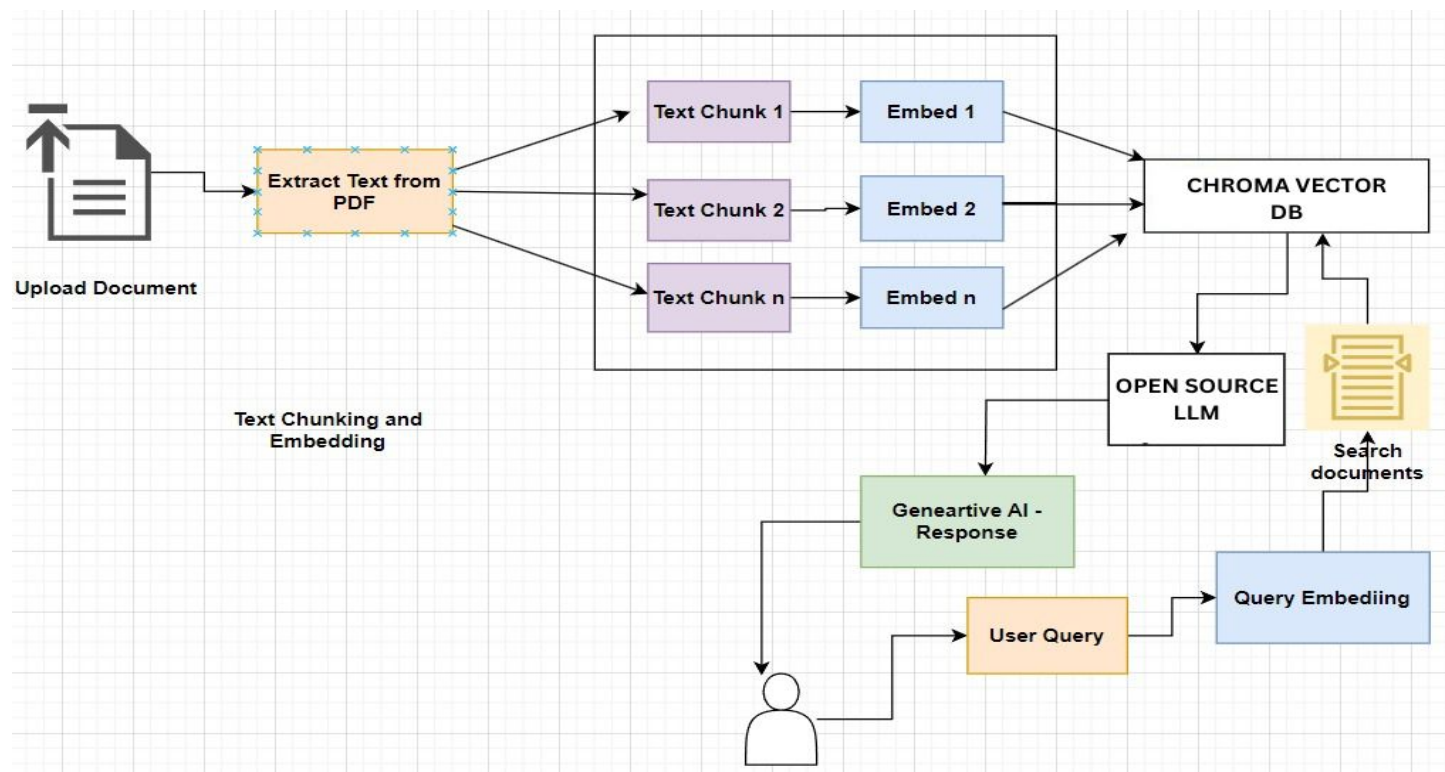
## Accessibility to all

Offering multilingual support in regional languages for broader accessibility.

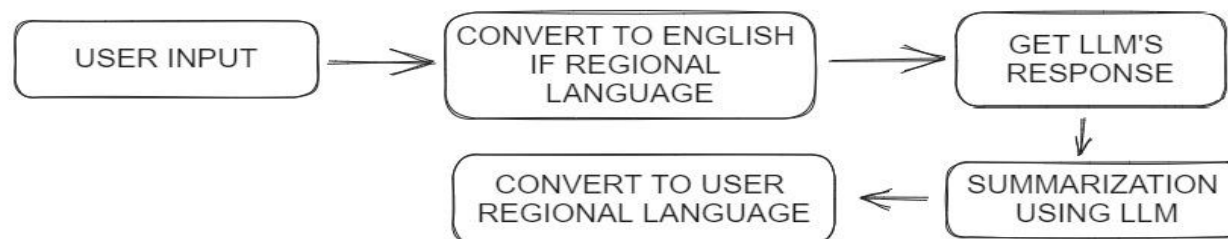
## Legal Implication Assessment

Provide insights into the legal consequences of actions, by providing simplified summaries for law documents.

## USE CASES



## PROPOSED WORKFLOW



# OUR IDEA BEHIND PROJECT

01

## Current Situation

- Limited Legal Awareness
- Language and Accessibility Barriers
- Fragmented Legal Resources

02

## Proposed Methodology

- Identify Relevant Laws
- Simplify Legal Language
- Categorize Legal Rights
- User-Friendly Design
- Chatbot/Virtual Assistant
- Multilingual Support

03

## Solution

- Know-Your-Rights Framework
- Increased Legal Awareness
- Enhanced Access to Justice
- Collaboration and Authenticity
- Legal Compliance

LawGPT

Ask a question about your documents:

## TECHNOLOGY STACK

Technology	Use
Python	Used to implement the application through its wide range of libraries.
Streamlit	Used for developing interactive web interface, supports Python libraries for machine learning.
HuggingFace LLM	Open source model used for developing chatbot
LangChain	Used for embeddings, text processing and LLM functionalities.
ChromaDB	Vector Store Database

## PRIVACY

Self Hostable and created with open source LLM, thus protecting user data.

## MULTILINGUAL

Providing support for multiple regional languages, promoting inclusivity

## ACCURATE

Uses concept of knowledge base without the need of re-training LLM providing accurate data

## SHOWSTOPPERS

## DEPENDENCIES

For self hosting GPU is recommended but also works using CPU

Availability of latest law in pdf format.

# Team Member Details

**Team Leader Name: Narottam Sahu**

Branch (Btech/Mtech/PhD etc): B.Tech	Stream (ECE, CSE etc): CSE	Year (I,II,III,IV): IV
--------------------------------------	----------------------------	------------------------

**Team Member 1 Name: Akanksha Mathpati**

Branch (Btech/Mtech/PhD etc): B.Tech	Stream (ECE, CSE etc): CSE	Year (I,II,III,IV): IV
--------------------------------------	----------------------------	------------------------

**Team Member 2 Name: Avirat Sudam**

Branch (Btech/Mtech/PhD etc): B.Tech	Stream (ECE, CSE etc): CSE	Year (I,II,III,IV): IV
--------------------------------------	----------------------------	------------------------

**Team Member 3 Name: Aman Shrivastava**

Branch (Btech/Mtech/PhD etc): B.Tech	Stream (ECE, CSE etc): CSE	Year (I,II,III,IV): IV
--------------------------------------	----------------------------	------------------------

**Team Member 4 Name: Aniket Sharma**

Branch (Btech/Mtech/PhD etc): B.Tech	Stream (ECE, CSE etc): CSE	Year (I,II,III,IV): IV
--------------------------------------	----------------------------	------------------------

**Team Member 5 Name: Prathamesh Raut**

Branch (Btech/Mtech/PhD etc): B.Tech	Stream (ECE, CSE etc): CSE	Year (I,II,III,IV): IV
--------------------------------------	----------------------------	------------------------

**Team Mentor 1 Name: Sanjeevani Chakote**

Category (Academic/Industry): Academic	Expertise (AI/ML/Blockchain etc):	Domain Experience (in years):
--	-----------------------------------	-------------------------------