

## Project Overview

This document outlines the requirements for the project **Sprint 1 - RAG Setup**. It details the functional and non-functional requirements necessary for the successful implementation of the system.

## Stakeholders

- Business Analysts
- Product Owners
- Developers
- Quality Assurance Team
- End Users

## Functional Requirements

- **User Query Processing:** The system should allow users to ask legal questions in simple English and receive relevant answers.
- **Chatbot Capabilities:** The chatbot should identify the type of legal issue based on user input.
- **Legal Document Search:** The system should retrieve legal documents related to the user's issue.
- **PDF Indexing:** Developers should be able to index legal PDFs into the database.
- **AI-Powered Explanations:** AI should provide explanations of legal consequences in easy-to-understand terms.
- **Case References:** The system should provide references to actual legal cases for credibility.

## Non-Functional Requirements

- **Scalability:** The system should handle an increasing number of user queries efficiently.
- **Performance:** The response time for queries should not exceed 2 seconds.
- **Security:** All data should be encrypted and follow compliance guidelines.
- **Usability:** The interface should be user-friendly and accessible.

## Acceptance Criteria

- Users should be able to submit legal queries and receive relevant responses.
- The chatbot should correctly identify at least 80% of legal issues.
- The document retrieval system should return relevant documents within 2 seconds.
- Indexed legal PDFs should be searchable within the system.
- AI explanations should be clear and understandable to non-legal professionals.

## Dependencies

- Integration with existing legal databases.
- API access for AI-powered legal interpretation.
- Cloud infrastructure for data storage and retrieval.