Modules

6.1   User and Profile Management

- **FE-1:** Provide the ability for the users to sign up and login in the system.
- **FE-2:** Keep track of resource utilization.
- **FE-3:** Give the option to optimize profile.

6.2   Case Management

- **FE-1:** Create a Case and provide functionality to upload multiple documents.
- **FE-2:** Modify existing cases.
- **FE-3:** Functionality to manually delete solved and closed cases.

6.3   Data Collection:

- **FE-1:** Acquire information from a range of sources such as user prompts and uploaded documents.
- **FE-2:** Categorize different types of documents e.g. PDFs, .txt and .docs files
- **FE-3:** Preprocessing of texts or data for normalization, cleaning, and preparation for function.
- **FE-4:** A comprehensive collection of legal statutes from diverse sectors.

6.4   Document Tagger

- **FE-1:** Determine the type of legal document by LLM
- **FE-2:** Identify and highlight entities like names, organizations, dates within documents.

6.5   AI-Driven Document Summarization

- **FE-1:** Utilize LLMs to give Structured response based on Legal document type e.g. Contracts and Court findings
- **FE-2:** Identify and highlight key legal terms, clauses, and critical sections within documents

6.6   AI-Based Chatbot with Retrieval-Augmented Generation:

- **FE-1:** Integrates the RAG system using the Lang Chain framework for retrieval-augmented generation tasks.
- **FE-2:** Generates responses based on retrieved information, offering dynamic and contextually relevant answers.
- **FE-3:** Give functionality to either write prompts themselves or provide some predefined prompts

6.7   Law Finder

- **FE-1:** Search system is to be implemented to find relevant laws and articles based on queries of user.
- **FE-2:** User will be able to filter results by jurisdiction, date and relevance.
- **FE-4:** Legal databases will be regularly checked to ensure that the latest laws and regulations are included.

6.8   Contract Generator

- **FE-1:** This will build customizable templates for commonly used legal contracts.
- **FE-2:** Enable users to generate contracts based on inputted data and context.
- **FE-3:** Give option to export the generated contract.

6.9   Database Management (DB)

- **FE-1:** Implement a database system to store documents, user profiles, cases, and contracts
- **FE-2:** Use indexing techniques to speed up search and retrieval processes across the database.

6.10   Backend Development

- **FE-1:** Develop APIs to facilitate seamless communication between the frontend and backend services, including data storage, processing, and retrieval functionalities.
- **FE-2:** Integrate and mediate with external legal databases and AI services to enhance document tagging, summarization, and overall case management performance.
- **FE-3:** Ensure secure and efficient data handling during storage and retrieval, maintaining the integrity and confidentiality of legal documents.

6.11   User Interface

- **FE-1:** User Dashboard Interface
- **FE-2:** Case and Document Summarizer Interface
- **FE-3:** Contract Generation Interface
- **FE-4:** LawFinder Interface
- **FE-5:** User Profile Interface
- **FE-6:** Chatbot Interface