

## Project Title

AI Legal Document Helper: Simplifying Government Schemes for Citizens

---

## Track Selection

Agentic AI Applications for Real-World Issues

---

## Problem Statement

Government schemes and subsidy applications are often written in complex legal and bureaucratic English. For ordinary citizens — especially in rural and semi-urban areas — it is extremely difficult to:

- Understand eligibility criteria and benefits.
- Correctly fill out application forms.
- Access information in their local languages.

As a result, many people who are eligible miss out on the benefits, or their applications are rejected due to mistakes.

---

## Proposed Solution

We propose an **AI-powered Legal Document Helper Agent** that makes government schemes **simple, accessible, and actionable** for citizens.

### Workflow:

1. A citizen uploads a PDF of a government scheme or subsidy guideline.
  2. The AI agent extracts **key information** (eligibility, required documents, deadlines, benefits).
  3. The agent translates and simplifies the content into **citizen-friendly Hindi/regional languages**.
  4. Through an interactive Q&A, the agent guides the user and **auto-fills the official application form draft**.
  5. The user can download the completed draft for submission.
-

## Technology Stack

- **Programming Language:** Python
  - **NLP & AI Models:** OpenAI / Hugging Face Transformers (summarization, Q&A, reasoning)
  - **Document Parsing:** PyPDF2, PDFplumber, or LangChain Document Loaders
  - **Simplification & Translation:** Indic NLP, Hugging Face translation models
  - **Agent Framework:** LangChain / LlamaIndex for multi-step workflow orchestration
  - **Frontend:** Streamlit for a simple citizen-facing interface
  - **Deployment:** Kaggle Workspace (development) → GitHub Classroom (final submission)
- 

## Expected Outcomes & Impact

- **Accessibility:** Simplifies legal documents for everyone.
  - **Inclusivity:** Explains in Hindi and other regional languages.
  - **Efficiency:** Reduces form-filling errors and rejections.
  - **Real-world Impact:** Helps rural and semi-urban populations access government benefits they are entitled to.
- 

## Team Details

- **Team Name:** Lawgorithm (law + algorithm)
- **Members:**
  - Neel Patil (S.A.T.I. Vidisha, ECE, Devpost: [Neel Patil (neelpatil05799)])