Category	Status	Details	Next Steps
PDF Text Extraction from Legal documents for creating Knowledgebase	🟢 Green	Text extraction from PDFs is fully functional. Handles most formats well.	-
Semantic Search Implementation	🟢 Green	Semantic search works as expected. Retrieves relevant chunks from documents.	Can try Hybrid search i.e. Semantic search and similarity search
DuckDuckGo Web Search Integration	🟢 Green	Web search fallback is operational and provides useful results.	Can compare results with using different ai-powered free open-source search engine
AI-Powered Summarization	🟡 Amber	Summarization works but needs fine-tuning for better brevity and accuracy.	Fine-tune llms based on Indian legal datasets for better results.
Gradio Chat Interface	🟢 Green	Chat interface is fully functional and user-friendly.	Add full-fledged backend using express, node.js and db.
Indian Law Specialization	🟡 Amber	System is trained on Indian laws but needs more data for better accuracy.	Expand training dataset for higher accuracy.
Error Handling & Fallbacks	🟢 Green	Robust error handling is in place for most edge cases.	Proper vigilance on api checkpoints for error handling
Deployment & Scalability	🟡 Amber	System is deployed but response time takes on an average 10-15sec due to non-availability of GPU & TPU. Also needs optimization for handling high user traffic.	Explore GPU/Cloud options for faster performance.
Documentation	🟢 Green	Project documentation is complete and well-organized.	Periodic updates to reflect changes in features and functionality.
Future Enhancements Planning	🟡 Amber	Plans for multilingual support and mobile app are in progress.	Continue development for multilingual and mobile app features.

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