

DPO MINUTES TRACKER

Work Done (Post-Phase I)

We have successfully moved from system design to the **Implementation Phase**. Key achievements include:

- **Backend:** Developed the Django REST Framework API with Role-Based Access Control for DPO, Collector, and Departments.
- **AI Core:** Implemented the automated extraction engine (using Gemini & DOCX parsing) to identify issues from Malayalam meeting minutes.
- **Frontend:** Built the React.js dashboards for file uploading, issue verification, and department response submission.
- **Logic:** Finalized the auto-allocation algorithm and real-time notification system.

Month-wise Plan of Completion

- **January:**
 - Migrate database to PostgreSQL for concurrency.
 - Integrate Local AI (Ollama) for offline privacy.
 - Implement security protocols (JWT & Password Hashing).
- **February:**
 - Conduct Unit and Integration testing.
 - Containerize application using Docker.
 - Deploy on local server for pilot testing.
- **March:**
 - Final code refactoring and optimization.
 - Complete Project Report and User Manual.

Final Outcome

The project will result in a deployed, AI-powered web portal for the District Planning Office. It will automate the reading of monthly minutes, assign tasks to respective departments instantly, and provide a real-time dashboard for the Collector to track project delays.

Signature of the Guide