**Assignment: AI Meeting Intelligence Platform**

**Objective:** Build a web application that extracts actionable insights from meeting recordings. Users should be able to upload audio/video files and receive structured information about action items, decisions, and participant interactions.

**Core Requirements:**

**Frontend:**

* File upload interface for audio/video
* Dashboard displaying meeting insights
* Action items and tasks view
* Basic analytics visualization

**Backend**:

* Audio/video file processing
* Speech-to-text conversion
* Information extraction using LLMs
* Simple data persistence
* Search functionality

**Technical Stack :**

* Frontend: React + Tailwind
* Backend: Python FastAPI
* Database: SQLite
* AI Components:

1. Whisper.cpp (transcription)
2. Ollama (LLM)
3. ChromaDB (vector search)

**Expected Deliverables:**

* A github repository with source code for the application.
* A README with setup instructions and required configurations.
* Brief technical write-up explaining the following:

1. Architecture decisions
2. AI pipeline implementation
3. Challenges and solutions
4. Evaluation Criteria
5. Code quality and organization
6. API design
7. AI/ML pipeline implementation
8. Error handling
9. Documentation

* (Optional) Live url to the deployed application.