

# Insight Project Documentation – Meeting Summary

**Date:** july /1/2025

**Project:** **Insight** – Smart AI-Powered Document Verification and Issuance System

**Meeting Focus:** Feature updates, frontend/backend integration, and AI-enhanced user experience improvements.

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## 1. Integration Updates

- **Frontend and Backend Integration:**  
Ongoing integration to allow seamless data flow and interactivity between the client (frontend) and server (backend) components.
  - **Endpoints & Data Fetching:**  
Defined backend API endpoints that the frontend will **fetch** data from. These endpoints will support new user activities, including document requests and verification actions.
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## 2. AI Features and Automation

- **AI Assistant Functionalities:**
  - Smart creation of new users.
  - Intelligent document verification.
  - Conversational commands (user gives a single instruction, AI performs multiple steps automatically).
- **AI in Seeker Dashboard:**
  - Users (e.g., students) can request documents by chatting with the AI.
  - The AI automatically generates the appropriate backend requests and performs the document preparation steps.
- **Institution/AI Chat Interface:**
  - Develop a frontend interface resembling **ChatGPT**.

- Create **reusable chat components** with real-time interaction feel and intelligent AI responses.
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### 3. Chat & Messaging Features

- **Front-End Chatting Interface:**
    - Direct messaging between users.
    - Integration of smart conversation UI/UX for communication.
  - **Message Features:**
    - Seeker and institution staff can communicate via an AI-powered chat interface.
    - Notifications and alerts for new messages and document status.
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### 4. Dashboards & Roles

#### A. Seeker Dashboard

- Overview of recent activities.
- Buttons for requesting new documents.
- AI-powered assistant for document-related queries.

#### B. Super Admin Dashboard

- **Audit Logs:** Track who is using the system and usage frequency.
  - **User Management:** Add/edit/remove system users.
  - **AI Chat Assistant:** Embedded AI chatbot (similar to Meta AI on WhatsApp).
  - **Overview Page:** Fetch and display system-wide summaries (e.g., requests, users, logs).
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## 5. Document Management

- **Institution Document Collections:**
    - Collections represent different **document types** (e.g., transcripts, degrees).
    - Under each collection, list the people responsible for **signing** those documents.
  - **Bulk Sign Feature:**
    - Allow multiple documents to be signed in bulk by authorized users.
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## 6. User Role Management

- Define an **enum** for user types:
    - **ADMIN**
    - **INSTITUTION**
    - **USER**
  - Determine permissions and dashboards based on user role. For example, if a user is **INSTITUTION**, they will have access to institution-level operations.
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## 7. Notifications System

- Design a **notifications panel** with visual indicators.
  - Include buttons to acknowledge, dismiss, or respond to notifications (e.g., document signed, request received, etc.).
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## 8. Next Steps

- Redesign and refine dashboard pages.

- Implement reusable components for chat and AI integration.
- Improve visual layout and user experience across all dashboards.
- Continue backend/AI integration for automated actions.