

# **CPE496/498 Capstone Design Course**

# HPASS - Holographic Personal **Assistant System Support**

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**Overview of Project/Group Work** 

#### **Bridging the Gap in Workplace Efficiency**

- AIDA revolutionizes workplace operations that enhances productivity for employees.
- Automates routine tasks and enhances meetings with real-time insights.

# **Objectives/Tasks**

- **Develop AIDA**: Construct a language model (LLM)-based assistant capable of performing complex workplace tasks.
- Streamline Productivity: Automate routine operations, meetings, and scheduling to optimize efficiency.
- Empowers teams to work smarter and more productively.

#### **Meet AIDA: The Ultimate Digital Associate**

- Automates routine tasks to simplify operations.
- Requires no training or overhead—just effortless efficiency.
- Empowers smarter decision-making for a more productive workplace.
- Redefines the workplace to ensure a smarter workflow.

# **Status - Current Functionality**



#### • Key Requirements:

- M1: AIDA must operate as an AI-powered assistant for professional environments.
- M2/M7: AIDA must accept user commands via voice or text input through a responsive interface.
- **E12.1**: Secure access is ensured through two-factor authentication.
- **E6.4**: AIDA must reference documents with user-Ο specific access restrictions.
- **E3.4**: AIDA's holographic 3D model must include animation states (idle, speaking, listening, etc.).
- **E2.1**: Responds to user queries within 10 seconds for 80% of interactions.

# **Results/Impact**

#### **BRIDGING THE WORKPLACE EFFICIENCY GAP WITH AIDA**





#### **Acknowledgements and References**

LangGraph: <u>https://www.langchain.com/langgraph</u> ElevenLabs: https://elevenlabs.io/docs Related Product - Coveo: Coveo. (2025). Coveo Solutions Inc. Retrieved from <a href="https://www.coveo.com/en">https://www.coveo.com/en</a>

