Candidate Name:	Ahmed Raza		Department:	Engineering
Title/Role:	Senior AI Engineer		Business Unit:	Disrupt Lab
Start Date:	07 July 2025		End Date:	07 July 2025
Buddy Assigned:			Trial Taker:	Zain Mustijab
No. of Hours Served		Signature:		

Task No	Task Description	Rating (1 – 5)	Findings
Task: 1	**Task #1: Advanced RAG System** **Objective:** Build a RAG system for technical documentation. **Requirements:** ● Support PDF, TXT, and Markdown file ingestion ● Intelligent document chunking and metadata extraction ● Store embeddings in ChromaDB ● Enable hybrid retrieval (vector + BM25), query expansion, metadata filtering, and re-ranking ● Provide contextual answers with citations, streaming responses, and confidence scoring ● Handle no-result queries gracefully **Deliverables:** ● RAG ingestion script ● Query interface ● 5 sample queries and outputs		

Task #2	**Task #2: Chatbot with Memory & Authentication** **Objective:** Create a chatbot with persistent memory and user authentication. **Requirements:** ● (Optional) Implement user sign-up/sign-in (JWT or similar) ● Multi-turn chat with context retention and summarization for long chats ● Save chat history per user/session (SQL or NoSQL) ● CRUD REST APIs for chat management ● (Optional) add WebSocket for real-time chat **Deliverables:** ● FastAPI (or any other framework) app with REST endpoints Sample conversations showing memory/context		

Additional Comments

N/A

Final Verdicts:

<u>Zain Mustijab</u>   _____   _____

Trial Taker   Functional Head   HR Business Partner