

## DAY – 20

On Day 20, the focus was on to a comprehensive review, final polish, and planning for the presentation and future evolution of the Capstone Project.

We conducted a full system demonstration, showcasing all major implemented features:

- **Voice Input (STT)** to submit a query.
- **RAG Retrieval** for answering complex document questions.
- **Function Calling** for real-time data or calculations.
- **TTS Output** to read the final response aloud.

We structured the project presentation, emphasizing the architectural diagram and the demonstration of Advanced Concepts (RAG, Agents, Function Calling). We also addressed potential ethical concerns (like minimizing bias and ensuring grounded outputs).

Future Scope Discussion: We outlined next steps for the project:

- Deploying the app using a cloud platform (like Firebase or Google Cloud).
- Integrating Multimodal Prompting to handle image or chart analysis.
- Adding Memory components to enable multi-turn, contextual conversations.

## CONCLUSION

- Finalized the Capstone Project, demonstrating mastery of the full prompt engineering and AI application development pipeline.
- Established a clear roadmap for scaling the application and integrating cutting-edge features, proving the project is a valuable foundation for future development.