**Deliverables:**

* A working RAG-based chatbot that processes queries and returns role-specific data.
* GitHub Repository
* Integrated role-based access control.
* A clear and modular codebase with documentation.

**Evaluation Criteria:**

1. **Functionality**: Ensures the chatbot correctly handles user queries and provides role-specific data access based on defined permissions.
2. **Code Quality**: Code should be clean, readable, and follow best practices, with proper comments and structure.
3. **Innovation**: Creative approaches to handling queries, access control logic, or user interaction. Bonus for any unique or efficient enhancements.
4. **Presentation**: How well is the final solution demonstrated? Includes clarity of explanation, demo walkthrough, and professionalism.
5. **NLP Query and Understanding**: Measures how effectively the chatbot understands natural language queries, returns context-aware responses and handles vague queries.
6. **User Experience**: Focuses on the overall usability, interface responsiveness, and how intuitive the chatbot is for end-users.
7. **Modularity**: Codebase should follow a modular design, separating concerns like API logic, vector retrieval, UI, and access control.
8. **Well Documented ReadMe**: README should clearly explain setup instructions, tech stack, role definitions, usage examples, and any architectural choices.
9. **Scalability & Extensibility**: How well is the solution designed to handle more roles, larger datasets, or additional functionalities in the future?