CAPSTONE PROJECT

AI AGENT FOR NAAC ACCREDITATION PROCESSES

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OUTLINE

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PROBLEM STATEMENT

Faculty often struggle with the time-consuming and complex process of NAAC accreditation, including data compilation, SSR drafting, and ensuring compliance. The absence of centralized access to past reports and guidelines further complicates the task.

Proposed Solution:
An AI-powered Accreditation Assistant using NLP and RAG to help faculty retrieve relevant data, generate SSR drafts, and streamline documentation—reducing effort and improving accuracy in the accreditation process.

TECHNOLOGY USED

IBM Cloud Lite – To run and host the AI agent.

NLP (Natural Language Processing) – To understand and process NLP. (Natural Language Processing) – To understand and process text IBM Granite model.

IBM Granite Model – To create smart and human-like responses.

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IBM CLOUD SERVICES USED

- IBM Cloud Watsonx AI Studio – To build and fine-tune the AI workflows IBM Cloud Watsonx AI runtime.

- IBM Cloud Watsonx AI Runtime – To deploy and run the AI models efficiently.

- IBM Cloud Agent Lab – For testing and managing the AI agent in a secure environment.

- IBM Granite Foundation Model – To generate high-quality, context-aware content.

WOW FACTORS

This AI agent streamlines the NAAC accreditation process by reducing manual effort, quality, and enabling easier collaboration improving documentation.

- Unique features:
Semantic search across NAAC documents and past reports.
Auto-generation of SSR and AQAR drafts.
Compliance and gap analysis.
Historical progress tracking.

Collaborative Workspace to enable coordinated input from multiple departments and stakeholders.

END USERS

- Faculty Members – who prepare accreditation reports.

- NAAC Coordinators – who manage the overall process.

- IQAC Team – who ensure quality and compliance.

- Department Heads (HoDs) – who provide department data.

- Admin Staff – who help gather and organize documents.

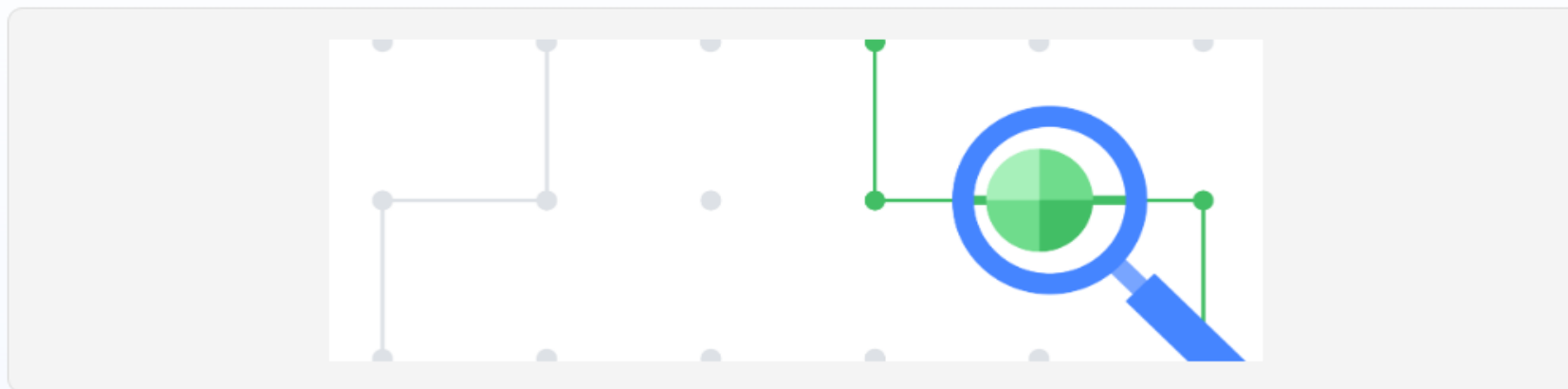- College Management – who oversee the progress and quality.

RESULTS

RESULTS

You 11:58 PM

what is naac

NAAC Agent 11:58 PM

NAAC stands for National Assessment and Accreditation Council. It is an autonomous institution established by the University Grants Commission (UGC) of India in 1994. The primary aim of NAAC is to facilitate and promote quality assurance in higher education in India. It accredits and grants accreditation to Indian higher education institutions.

For more detailed and official information, you can refer to the NAAC manual or guidelines available on their official website: https://naac.gov.in.

I am unable to fetch specific details from the official website without direct access. However, the website provides comprehensive information about NAAC's mission, vision, accreditation process, guidelines, and manuals.

▶ **How did I get this answer?**

Type something...   ▷

RESULTS

M You 12:10 AM

How it support to the universities

NAAC Agent 12:10 AM

NAAC supports universities by providing accreditation, which is a seal of quality assurance. The accreditation process helps universities to maintain and enhance the quality of their various academic and administrative functions.

According to the "NAAC Accreditation Process" manual, the process involves self-study, peer team visit, site visit by NAAC team, and declaration of results.

The "Guidelines for NAAC for Bengaluru Councill" provides detailed instructions for the functioning of the council, including the accreditation process for universities.

The "Operating Procedure for Data Validation and Verification for University" outlines the steps for data collection, validation, and verification, which are crucial for the accreditation process.

The "MANUAL for Self Study Report Autonomous Colleges" can also be relevant for universities, as it provides guidelines for

Type something...

RESULTS

Deployed AI Agent

CONCLUSION

- The AI agent helps generate reports like SSR and AQAR, suggests improvements, and drafts content based on NAAC guidelines.

- It saves time by automating data collection and formatting.

- Overall, it makes the accreditation process faster, easier, and more accurate.

- Research Agents enhance efficiency, accuracy, and innovation in both academic and industrial R&D.

FUTURE SCOPE

- Support for multiple languages.

- Voice commands for easy use.

- Real-time collaboration between departments.

- Dashboard to track progress and gaps.

- Link with college systems for auto data input.

- Smart suggestions to improve report quality.

IBM CERTIFICATIONS

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This certificate is presented to

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for the completion of

Lab: Retrieval Augmented Generation with LangChain

(ALM-COURSE_3824998)

According to the Adobe Learning Manager system of record

Completion date: 21 Jul 2025 (GMT)

Learning hours: 20 mins

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GITHUB LINK

- Make sure that there should be readme file

- Git hub link : https://github.com/Manoj8762/NAAC-Agent

THANK YOU