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# CAPSTONE PROJECT

## COLLAGE ADMISSION AGENT

**Student name : Samiksha Hubale**

**College Name & Department : Mit Academy Of Engineering  
(ENTC)**

# OUTLINE

- Problem Statement
- Technology used
- Wow factor
- End users
- Result
- Conclusion
- Git-hub Link
- Future scope
- IBM Certifications

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# PROBLEM STATEMENT

Students often face confusion and delays during college admissions due to scattered information, unclear eligibility rules, and limited support.

Manual searches for documents, cutoffs, courses, and deadlines are time-consuming and stressful.

Proposed Solution:

An AI-powered **College Admission Agent** using **RAG (Retrieval-Augmented Generation)**, which retrieves real-time data and generates accurate answers to student queries about eligibility, fees, documents, courses.

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# TECHNOLOGY USED

- IBM cloud lite services
- Natural Language Processing (NLP)
- Retrieval Augmented Generation (RAG)
- IBM Granite model

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## **IBM CLOUD SERVICES USED**

- **IBM Watsonx.ai Studio**
- **IBM Watsonx.ai Runtime**
- **IBM Cloud Agent Lab**
- **IBM Granite Foundation Model**

# WOW FACTORS

- This agent will significantly reduce student confusion, improve the accessibility of admission information, assist applicants in selecting the right courses, and ease the burden on college admission offices by making verified information more accessible and actionable.

## Unique features:

- Semantic search across admission brochures, policies, and FAQs.
- Auto-summarization of eligibility criteria and documents.
- Personalized course suggestions based on student background.
- Real-time deadline and fee updates from trusted sources.
- Admission document checklist generation for applicants.
- Smart FAQ answering system for instant query resolution.


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## END USERS

- Students (Class 12th pass, diploma holders, UG/PG aspirants)
- Admission Cells of Colleges
- Parents/Guardians
- Educational Consultants

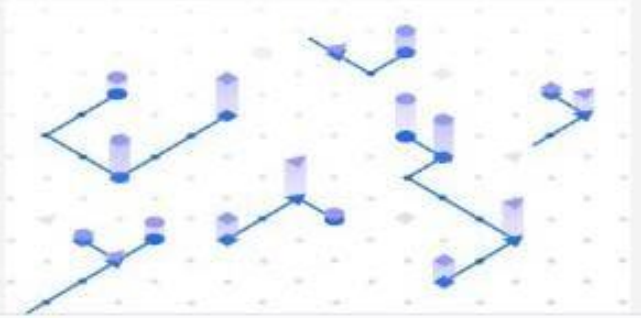
# RESULTS

Agent preview

 Collage Admission Agent 07:50 PM

**Welcome to Collage Admission Agent**

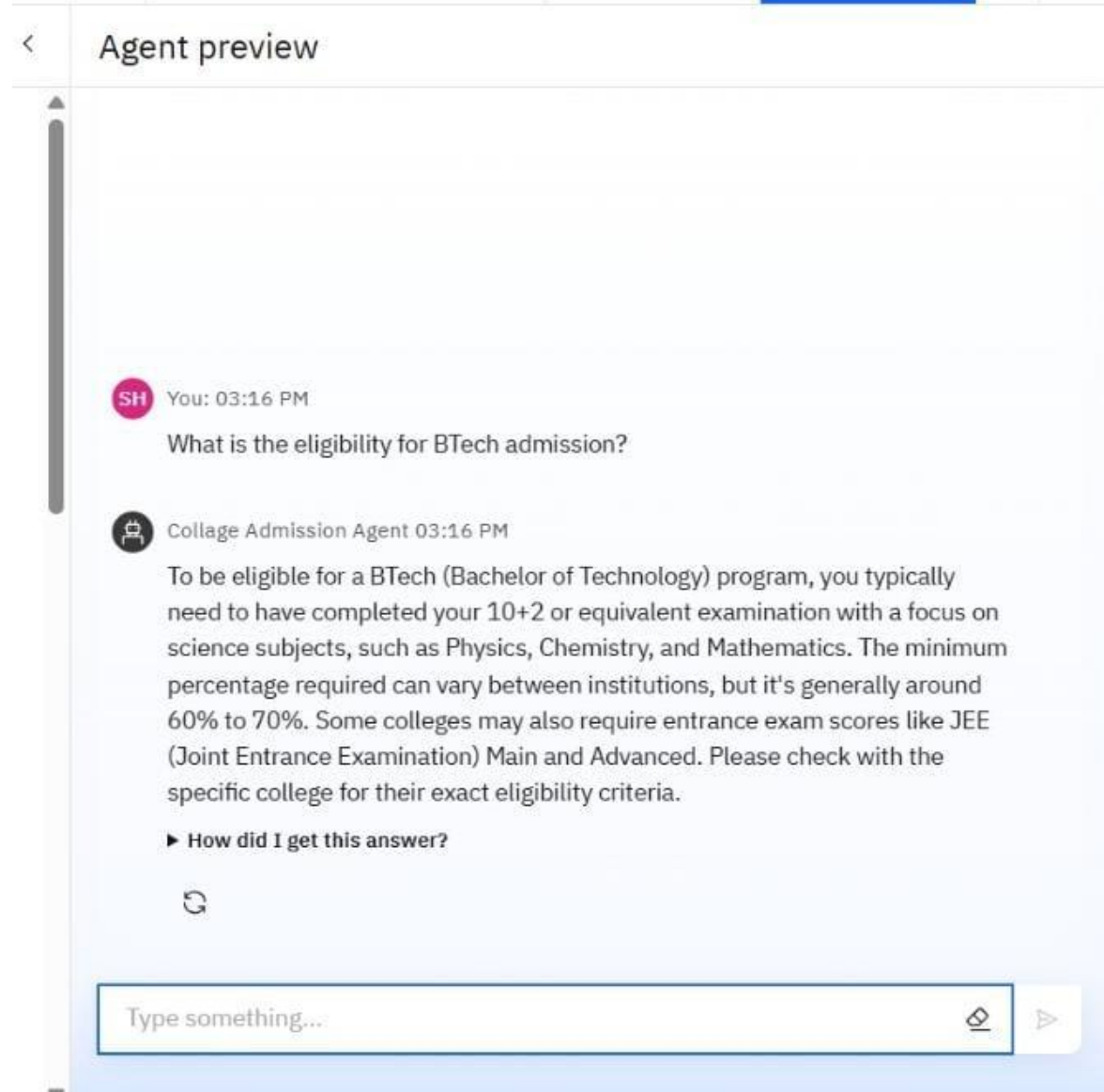
"Your AI-powered admission guide – clear doubts, pick courses, meet deadlines!"



Type something...



# RESULTS



# RESULTS


### Agent preview

► How did I get this answer?

SH

You: 03:17 PM

Which courses are available after diploma in electronics?




Collage Admission Agent 03:17 PM

After completing a diploma in electronics, you can pursue a range of undergraduate degree programs. These typically include:

1. Bachelor of Technology (B.Tech) in Electronics and Communication Engineering
2. Bachelor of Science (B.Sc) in Electronics
3. Bachelor of Engineering (B.E) in Electronics and Instrumentation Engineering
4. Master of Technology (M.Tech) in Electronics

Please note that availability may vary depending on the institution. It's advisable to check with specific colleges for their course offerings.

► How did I get this answer?



# RESULTS

## Deployed AI Agent

IBM watsonx

Upgrade ?

Samiksha Hubale's Account

Dallas

SH

Deployment spaces / Collage Admission Agent / Collage Admission Agent /

Collage Admission Agent Deployed Online

API reference Test **Preview**

New chat +

You 07:54 PM

Is NEET required for admission to B.Pharm?

Collage Admission Agent 07:54 PM

Yes, NEET (National Eligibility cum Entrance Test) is required for admission to B.Pharm (Bachelor of Pharmacy) courses in India. The All India Council for Technical Education (AICTE) has made NEET mandatory for admission to all government and private pharmacy colleges.

► How did I get this answer?

Type something...

About this deployment

Name

Collage Admission Agent

Description

"Your AI-powered admission guide – clear doubts, pick courses, meet deadlines!"

Deployment Details

Deployment ID: aef31633-1ecb-40...

Serving name: No serving name.

Software specification: runtime-24.1-py3.11

Hardware specification: Extra extra small: 1 CPU and 2 GB RAM

Copies: 1

Tags

wx-agent

Associated asset

Collage Admission Agent

cd7f2580-4530-4bdd-b592-fee1169e14a7

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## CONCLUSION

- Simplifies the admission process through an AI-powered assistant
- Provides accurate and real-time information using RAG architecture
- Reduces workload for admission departments
- Minimizes misinformation and confusion among students
- Enhances the overall admission experience for students and institutions

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# FUTURE SCOPE

- Mobile App Integration
- Voice-based Admission Query Assistant
- Multilingual Support
- Integration with college application portals
- Analytics Dashboard for Admission Trends
- Personalized Admission Notifications via Email/SMS

# IBM CERTIFICATIONS

In recognition of the commitment to achieve professional excellence



## Samiksha Hubale

Has successfully satisfied the requirements for:

### Getting Started with Artificial Intelligence



Issued on: Jul 21, 2025  
Issued by: IBM SkillsBuild

Verify: <https://www.credly.com/badges/d950c1f0-f18f-45be-b51b-152644a58a76>



26/07/2025, 20:27

Completion Certificate | SkillsBuild

**IBM SkillsBuild**

Completion Certificate



This certificate is presented to

Samiksha Hubale

for the completion of

**Lab: Retrieval Augmented Generation with  
LangChain**

(ALM-COURSE\_3824998)

According to the Adobe Learning Manager system of record

**Completion date:** 25 Jul 2025 (GMT)

**Learning hours:** 20 mins

Git hub link : <https://github.com/Samiksha1607/College-Admission-Agent>





**THANK YOU**