

# **Nursing Admission Chatbot – Conversation Flow Document**

## **Project Summary**

This AI-based assistant helps prospective students and parents get clear information about B.Sc Nursing admissions through a simple chat interface. It handles both Hindi and English inputs, understands fuzzy user replies, and provides structured information about the course, fees, eligibility, and more.

## **Technologies & Tools Used**

- **Gradio** – for creating the chatbot interface
- **Python** – for building backend logic
- **RapidFuzz** – to understand vague or casual responses using fuzzy matching
- **Hugging Face Spaces** – chatbot is deployed and accessible publicly

## **Live Deployment:**

The chatbot has been successfully deployed on **Hugging Face Spaces**, making it accessible through a shareable web link for users to interact with easily.

## **Public Link :**

<https://huggingface.co/spaces/Baibhab001/NursingCollege-AI-Assistant>

### 1. Initial Greeting:

The chatbot opens with a friendly message checking the user's interest in nursing admission.

"मैं आपकी सहायता के लिए यहां हूँ। क्या आप नर्सिंग कॉलेज में एडमिशन लेना चाहते हैं?"  
"I am here to help you. Would you like to take admission in the Nursing College?"

### 2. Understanding the User's Response:

The system doesn't rely only on "yes" or "no." It also accepts casual words like "haan", "ya", "ok", "nahi", "nah", etc., using fuzzy matching. Based on this, it sets the next step.

### 3. If the User is Interested (Yes):

It asks:

"क्या आपने 12वीं में बायोलॉजी पढ़ी है?"  
"Have you studied Biology in 12th grade?"  
→ Moves to asked\_biology state

### 4. If the User is Not Interested (No):

Bot replies with a polite closure:

"कोई बात नहीं। अगर भविष्य में सहायता चाहिए हो तो हमसे संपर्क करें।"  
"No problem. Feel free to reach out anytime."  
→ Chat ends

## 5. If Response is Unclear:

It offers help from an official:

"क्या आप किसी अधिकारी से बात करना चाहेंगे?"

"Would you like to speak to an official?"

→ State becomes offer\_contact

## 6. If Biology is Confirmed:

The bot provides program information and asks if the user wants to continue.

B.Sc Nursing is a full-time program with great scope.

→ Moves to explained\_program

## 7. If Biology is Not Studied:

Bot informs:

"B.Sc नर्सिंग में एडमिशन के लिए बायोलॉजी अनिवार्य है।"

"Biology is mandatory for admission."

→ Then asks if the user wants to know anything else

→ State: asked\_anything\_else

## 8. Explaining the Program (if user agrees):

The bot shares full details including:

- **Fee structure** – ₹70,000 annually in 3 installments
- **Hostel** – 24x7 water, electricity, CCTV
- **Training** – Real patients, hospital rotations

- **Location** – Delhi  
→ Moves to asked\_more\_info

## 9. Sharing Extra Info (if user still interested):

Includes:

- **Training Locations:** District/Regional hospitals
- **Scholarships:** ₹18k–₹48k depending on eligibility
- **Total Seats:** 60
- **Eligibility:** Bio in 12th, PNT pass, Age 17-35  
→ Moves to asked\_anything\_else

## 10. Final Interaction:

If user still wants more help → Shares official contact info

If not → Ends with thank-you message

If confused → Asks again if they'd like to talk to an official

→ All lead to ended state eventually

## Restart Button

Once the chat ends, a **Restart** button appears to allow the user to start over easily.

## Nursing Admission AI Assistant

Chat

🔊 🗑️

मैं आपकी सहायता के लिए यहां हूँ। क्या आप नर्सिंग कॉलेज में एडमिशन लेना चाहते हैं?  
I am here to help you. Would you like to take admission in the Nursing College?

Type your answer here...

Use via API 🚀 · Built with Gradio 🍷 · Settings ⚙️

## Nursing Admission AI Assistant

Chat

yes


क्या आपने 12वीं में बायोलॉजी पढ़ी है?  
Have you studied Biology in 12th grade?

haan

B.Sc नर्सिंग एक पूर्णकालिक कोर्स है जो आपको हेल्थकेयर में उज्ज्वल करियर देता है।  
B.Sc Nursing is a full-time program offering a great career in healthcare.  
क्या आप इस कोर्स के बारे में और जानकारी चाहेंगे?  
Would you like more information about the program?


Type your answer here...

Use via API 🚀 · Built with Gradio 🍷 · Settings ⚙️


 **Nursing Admission AI Assistant**

Chat

yes

 **फीस विवरण / Fee Details:**

- ट्यूशन फीस / Tuition Fee: ₹60,000
- बस फीस / Bus Fee: ₹10,000
- कुल वार्षिक फीस / Total Annual Fee: ₹70,000
- ▶ **किश्तों में भुगतान / Installments:**
- ₹30,000 (प्रवेश के समय / at admission)
- ₹20,000 (पहले सेमेस्टर के बाद / after 1st semester)
- ₹20,000 (दूसरे सेमेस्टर के बाद / after 2nd semester)

 **हॉस्टल सुविधाएँ / Hostel Facilities:**


- 24x7 पानी और बिजली

Type your answer here...

Use via API


Built with Gradio

Settings

 **Nursing Admission AI Assistant**

Chat

haa

 **ट्रेनिंग स्थान / Clinical Training Locations:**


- जिला अस्पताल / District Hospital (Backundpur)
- CHCs
- रीजनल हॉस्पिटल / Regional Hospital (Chartha)
- Ranchi Neurosurgery

Type your answer here...

Use via API

Built with Gradio

Settings

 **Nursing Admission AI Assistant**

Chat

NT पास

उम्र: 17-35

क्या आप कुछ और जानना चाहेंगे?  
Would you like to know anything else?

yes

📞 संपर्क करें / Contact Official:

Mr. Baibhab Mund – +91 8984020445

Email: [baibhab.mund20@gmail.com](mailto:baibhab.mund20@gmail.com)


आपका दिन शुभ हो! 🌞

Have a great day!

type your answer here...

Restart

Use via API 🚀 · Built with Gradio 🍷 · Settings ⚙️

 **Nursing Admission AI Assistant**

Chat

क्या आपने 12वीं में बायोलॉजी पढ़ी है?  
Have you studied Biology in 12th grade?

yes

B.Sc नर्सिंग एक पूर्णकालिक कोर्स है जो आपको हेल्थकेयर में उज्ज्वल करियर देता है।  
B.Sc Nursing is a full-time program offering a great career in healthcare.


क्या आप इस कोर्स के बारे में और जानकारी चाहेंगे?  
Would you like more information about the program?

no

type your answer here...

Restart

Use via API 🚀 · Built with Gradio 🍷 · Settings ⚙️


 **Nursing Admission AI Assistant**

Chat


no




no


ठीक है। क्या आप कुछ और जानना चाहेंगे?  
Alright. Would you like to know anything else?

धन्यवाद! शुभकामनाएं! 😊  
Thank you! All the best.  
 'Restart' पर क्लिक करें दोबारा शुरू करने के लिए।

Type your answer here...

 Restart

Use via API  · Built with Gradio  · Settings 


 **Nursing Admission AI Assistant**

Chat


cdsjzh



yess

मैं समझ गया। क्या आप किसी अधिकारी से बात करना चाहेंगे?  
I understand. Would you like to speak to an official?

 संपर्क करें / Contact Official:  
Mr. Baibhab Mund – +91 8984020445  
Email: [baibhab.mund20@gmail.com](mailto:baibhab.mund20@gmail.com)  
आपका दिन शुभ हो! 😊

Type your answer here...

 Restart

Use via API  · Built with Gradio  · Settings 