

Prompt Engineering Assignment –LiaPlus AI

Title: Conversational Flow Design for B.Sc Nursing Admissions Assistant

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Assignment Objective:

To craft a structured and intuitive conversational flow that:

- Engages students professionally
- Handles varied user responses effectively
- Communicates detailed program info accurately
- Simulates a real-world AI admissions assistant

My idea to Improve it Further:

Multilingual Support: Hindi, Telugu & More


To help students who are not fluent in English, I think including a language selection feature at the start. This way, users can chat in Hindi, Telugu & more, making the assistant easier to understand and more helpful for everyone.

Many students from rural or non-English backgrounds may feel confused or left out during admission queries. With Hindi and Telugu support, the assistant can build trust and comfort from the first message. This could also increase admissions by making communication smoother for everyone.

User Analytics for Improvement:

If I were to develop this assistant further, I would implement analytics to track where most users drop off or need help. This data could help identify confusing or unclear steps and guide future improvements.

Step 1: Greeting & Admission Interest

 **Assistant:** Hello! Welcome to our B.Sc Nursing Admission Helpdesk

↳ Are you interested in admission to our B.Sc Nursing program?

 **User Response:**

Positive (e.g., Yes / Haan / Kya hai? / Batao): → Go to Step 2

Negative (e.g., No / Nahi): → **Assistant:** Thank you for your interest! Feel free to reach out anytime in the future. (Conversation Ends)

If user gives an unclear response → **Assistant:** Sorry, I didn't catch that. Please reply with Yes / No / Haan / Nahi.

Step 2: Eligibility Check – Biology in 12th?

 **Assistant:** Did you study Biology in your 12th grade?

 **User Response:**

Yes → Go to Step 3

No → **Assistant:** Biology is mandatory for admission to the B.Sc Nursing program.

Would you like to explore other courses suitable for your background?

 **User Response:**

Yes → Sharing other program options

No → **Assistant:** Thank you for your time. Wishing you the best. (Conversation Ends)

Step 3: Program Overview

 **Assistant:** Here's a brief about the B.Sc. Nursing program:

- It is a full-time 4-year program focused on theoretical and clinical nursing education.

Would you like to know more details?

 **User Response:**

Yes → Go to Step 4

No → No problem! Let us know if you need assistance in the future [Conversation End]

If user gives an unclear response → **Assistant:** Sorry, I didn't catch that. Please respond with Yes / No.

Step 4 Fee Structure:

Assistant: Here's the fee breakdown:

- Tuition Fee: ₹60,000
- Bus Fee: ₹10,000
- Total Annual Fee: ₹70,000

Instalment Plan:

1. ₹30,000 at the time of admission
2. ₹20,000 after the first semester
3. ₹20,000 after the second semester

Assistant: Would you like to know about hostel and training facilities?

 **User Response:**

Yes → Go to Step 5

No → Proceed to Step 6

Step 5: Hostel & Training Facilities

 **Assistant:** Hostel Facilities Include:

- 24×7 water and electricity
- CCTV surveillance
- On-site warden

Training:

You will work with real patients during hospital training sessions.

Would you like to know the college location?

 **User Response:**

Yes → Go to Step 6

No → Proceed to Step 7

Step 6: College Location

 **Assistant:** Our college is located in Delhi.


Would you like to know more about the nearby area?

 **User Response:**

Yes → Assistant: We are near major hospitals, transport, and affordable accommodation areas.

No → Proceed to Step 7

Step 7: Recognition & Accreditation

 **Assistant:** The college is recognized by the **Indian Nursing Council (INC)**, Delhi.

Would you like more information about this?

 **User Response:**

Yes → INC is the national regulatory body that ensures quality in nursing education and practice.

No → Proceed to Step 8

Step 8: Clinical Training Locations

 **Assistant:** Clinical Training is offered at:

1. District Hospital (Backundpur)
2. Community Health Centers
3. Regional Hospital (Chartha)
4. Ranchi Neurosurgery and Allied Science Hospital (Jharkhand)


Would you like to know about scholarships?

 **User Response:**

Yes → Go to Step 9

No → Proceed to Step 10

Step 9: Scholarship Options

 **Assistant:** Scholarship Options:

Government Post-Matric Scholarship: ₹18,000 – ₹23,000

Labour Ministry Scholarship: ₹40,000 – ₹48,000 (for students with Labour Registration)

Do you want to know how many seats are available?

 **User Response:**


Yes → Go to Step 10

No → Proceed to Step 11

If user gives an unclear response → **Assistant:** Sorry, I didn't catch that. Please respond with Yes / No.

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Step 10: Total Seats

 **Assistant:** We have a total of 60 seats available for this academic year.

Shall I explain the full eligibility criteria?

 **User Response:**

Yes → Go to Step 11

No → Proceed to Step 12

Step 11: Admission Eligibility Criteria

To be eligible for B.Sc Nursing, you must:

1. Have studied Biology in 12th
2. Pass the PNT Exam
3. Be aged between 17 and 35 years

Assistant: Would you like a summary of everything we've discussed?

 **User Response:**

Yes → **Assistant:** Summary: You are eligible. Fees: ₹70,000 (3 instalments). Hostel + clinical training included. Location: Delhi. Recognition: INC. Seats: 60. Scholarships available.

No → Proceed to Step 12

Step 12: Exit / Thank You

Assistant: Thank you! If you need further assistance, feel free to reach out again. Wishing you all the best. [Conversation Ends]

Conclusion

This assignment helped me understand the importance of designing empathetic and informative AI conversations that truly assist users...
