LIA PLUS AI : PROMPT ENGINEERING ASSIGNMENT

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This document presents the conversational flow design for the **Prompt Engineering Intern Assignment** at Lia Plus AI.

The goal of this assignment is to **simulate a virtual AI assistant** that guides prospective students through the **B.Sc Nursing admission** process at a Nursing College. The assistant is designed to handle a variety of user intents, provide detailed program-related information, and respond appropriately to both positive and negative user inputs.

Key Focus Areas:

- Clear and structured conversation
- Multi-step dialogue handling
- Context awareness and branching logic
- Friendly, helpful, and professional tone
- Accurate information on eligibility, fees, hostel, location, scholarships, and more

This conversation flow has been developed in alignment with the official flow diagram and meets all specified requirements, including:

- 11 key information categories
- Positive/negative response handling
- Graceful exits and re-engagement options

The script and flowchart together demonstrate how a well-designed AI assistant can improve the user experience, simplify complex queries, and drive engagement in educational admissions.

Conversation Script

The script that follows provides a thorough, sequential conversational flow intended for an AI assistant assisting users with the admissions process for a B.Sc. in nursing. Admission inquiries, eligibility checks, program specifics, costs, training facilities and dorms, college location, recognition, clinical training, scholarships, seat availability, and final enrollment are all covered. Both positive and negative comments are handled in each stage of the conversation, guaranteeing the user a seamless experience while upholding a cordial and expert tone. Regardless of the user's motivation or eligibility, the objective is to give accurate information, support their decision-making, and end contacts in a courteous manner.

1. Admission Inquiry

Assistant: Namaste! Welcome to our Nursing College Virtual Assistant. Kya aap B.Sc Nursing program ke liye admission lena chahte hain?

Positive: Yes/Haan/Tell me more → Eligibility Check

Negative: No/Nahi → Koi baat nahi! Agar kabhi zarurat ho, main yahin hoon. Dhanyavaad!

2. Eligibility Check

Assistant: Kya aapne 12th mein Biology padha tha?

Positive: Yes

Assistant: Kya aapne PNT entrance exam diya hai?

Positive: Yes → Program Details

Negative: No → Maaf kijiye, B.Sc Nursing ke liye PNT exam pass karna zaroori hai. Dhanyavaad!

Negative: No (PCM/Commerce/Arts) → Maaf kijiye, B.Sc Nursing ke liye Biology zaroori hai. Dhanyavaad!

3. Program Details

Assistant: Hamara B.Sc Nursing program 4 saal ka full-time course hai, jisme classroom aur hospital training dono hoti hai. Kya aap fee structure jaanna chahenge?

Positive: Yes → Fee Structure

Negative: No → Kya aap hostel facilities ke baare mein jaanna chahenge?

Positive: Yes → Hostel Facilities

Negative: No → Thik hai, agar aapko kabhi bhi help chahiye ho toh mujhe batayein. Dhanyavaad!

4. Fee Structure

Assistant: Hamare college ki total fees ₹70,000 per year hai, jo 3 installments mein deni hoti hai: ₹30,000 + ₹20,000 + ₹20,000.

Kya aap hostel aur training facilities ke baare mein jaanna chahenge?

Positive: Yes → Hostel Facilities

Negative: No → Kya aap college location ke baare mein jaanna chahenge?

Positive: Yes → College Location

Negative: No → Dhanyavaad, aapka samay dene ke liye. Bye!

5. Hostel Facilities

Assistant: Hostel mein milti hai:

- 24x7 bijli aur paani

- CCTV surveillance

- Warden ki suvidha

Kya aap training facilities ke baare mein jaanna chahenge?

Positive: Yes → Training Facilities

6. Training Facilities

Assistant: Students ko real hospitals mein, expert supervision ke saath training di jaati hai.

Kya aap college location ke baare mein jaanna chahenge?

Positive: Yes → College Location

Negative: No → Kya aap surroundings ke baare mein jaanna chahenge?

Positive: Yes → Surroundings and Transport

Negative: No → Dhanyavaad, milte hain phir!

7. College Location

Assistant: Hamara college Delhi mein hai, jahan se metro aur bus ki acchi connectivity hai.

Kya aap college ke aas-paas ke area ke baare mein jaanna chahenge?

Positive: Yes → Surroundings and Transport

Negative: No → Kya aap recognition aur accreditation jaanna chahenge?

Positive: Yes → Recognition and Accreditation

Negative: No → Bye and Thank You!

8. Surroundings and Transport

Assistant: College ek student-friendly area mein hai – paas mein hospitals, food courts aur hostels available hain.

Kya aap accreditation details jaanna chahenge?

Positive: Yes → Recognition and Accreditation

Negative: No → Kya aap clinical training locations ke baare mein jaanna chahenge?

Positive: Yes → Clinical Training

Negative: No → Thank you!

9. Recognition and Accreditation

Assistant: Hamara college INC (Indian Nursing Council) Delhi se recognized hai, jo aapko all India me job aur higher education ke liye eligible banata hai.

Kya aap clinical training ke baare mein jaanna chahenge?

Positive: Yes → Clinical Training

Negative: No → Kya aap scholarships ke baare mein jaanna chahenge?

Positive: Yes → Scholarships

Negative: No → Bye and take care!

10. Clinical Training Locations

Assistant: Aapki clinical training hoti hai:

- District Hospital (Backundpur)

- Regional Hospital (Chartha)

- Community Health Centers

- Ranchi Neurosurgery Hospital

Kya aap scholarships ke baare mein jaanna chahenge?

Positive: Yes → Scholarships

Negative: No → Kya aap total seats jaanna chahenge?

Positive: Yes → Total Seats

Negative: No → Best wishes!

11. Scholarships

Assistant: Hamare paas 2 scholarship options hain:

- Government Post-Matric (₹18k–₹23k)

- Labour Ministry Scheme (₹40k–₹48k)

Kya aap eligibility check karna chahenge?

Positive: Yes → Scholarship Eligibility

Negative: No → Kya aap total seats ke baare mein jaanna chahenge?

Positive: Yes → Total Seats

Negative: No → Goodbye and good luck!

12. Scholarship Eligibility

Assistant: Eligibility mein yeh chahiye:

- Caste/Income Certificate (for Govt scholarship)

- Labour Registration (for Labour Ministry)

Kya aap total seats jaanna chahenge?

Positive: Yes → Total Seats

Negative: No → Kya aap admission start karna chahenge?

Positive: Yes → Contact Details Show

Negative: No → Phir milte hain, best of luck!

13. Total Seats

Assistant: Total 60 seats hain. Admission first-come, first-serve basis pe hota hai.

Kya aap admission lena chahenge?

Positive: Yes → Great! Aap humein contact karein:

📞 [Phone Number]

📧 [Email Address]

📍 [College Address]

Negative: No/Not now → Thik hai, jab bhi ready ho, main yahan hoon. Shubhkamnayein!

END

The full conversational flow of the AI assistant intended to help prospective students with the B.Sc. Nursing admissions process is graphically represented in the flowchart that follows. The assistant's dynamic handling of user responses, both positive and negative, while guaranteeing a seamless and educational experience is reflected in each decision node and path. This visual framework gives a rapid, high-level understanding of the conversation logic and reflects the script that was previously delivered.

Admission Inquiry
Hil Are you interested in B.Sc Nutsing admission?

→ No

Eligibility Check
Did you pass the PNY entrance exar?

← Say goodbye

Fee Structure
Total ₹70,000/year in 3 parts, Know aboutel?

→ No

Hostel Facillities
24x/ electricity/water, CCTY, Warden

Training Facilities
Training in hospitals with real patients

College Location
Located in Delhj with.good.connectitlv

Yes

Suroroundings and Transport
Student friendy area metro & bus access

Yes

No

Surroundings and Transport
Student friendly are, metro & bus access

Surrouandings and Accregitation
INC recognized, vall, across India

Scholarships
Govt–₹10k–₹22k | Labour–₹40k–48k

Scholarship Eligibility
Need caste/ncome e₹t. or labour reg.

Not now →

Total Seats
60 seats, first corme first serve

Start admission
Show contact info

Tuotal dmission
Show contact info

Say godbye

Say goodbye