

# **Prompt Engineering Intern Assignment: Conversational Flow for Nursing College Admission**

LIA PLUS AI

Designation: Prompt Engineer

Submitted by: Mohit Verma (12222899)  
Email – mohit51341862@gmail.com

July 10, 2025

# 1 Introduction

This document outlines an AI conversational flow—built for LIA PLUS AI’s Prompt Engineering Intern assignment—to guide prospective nursing students through admission, from initial inquiry and Biology eligibility to program details, fees, facilities, location, accreditation, clinical training, scholarships, seats, and final criteria.

## 2 Objective

The goal is to create an AI-driven conversational flow that:

- Delivers a clear and logical progression of information.
- Handles multi-step queries and varied user intents.
- Maintains a professional and approachable tone.
- Provides accurate and complete details based on the assignment input.
- Ensures seamless navigation through complex information.

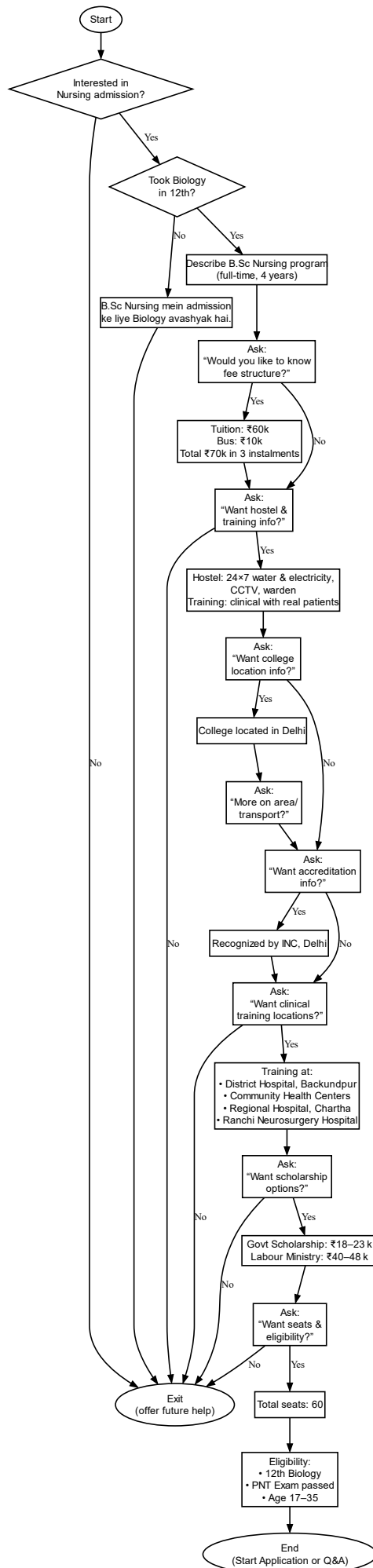
## 3 Conversation Flow Design

The conversation follows a sequential structure, covering all required topics in order. After each topic, the assistant checks if the user wishes to proceed to the next one. For specific topics (program details, college location, and recognition), the assistant offers additional information if the user expresses interest. Positive responses (e.g., "Yes", "Haan", "Tell me more") prompt the assistant to continue, while negative responses (e.g., "No", "Nahi") lead to a polite conversation end with an offer for future assistance.



### 3.1 Flow Structure

1. **Initial Admission Interest:** Confirms user interest in the Nursing College.
2. **Eligibility Check:** Verifies if the user studied Biology in 12th grade.
3. **Program Details:** Describes the B.Sc Nursing program with an option for more details.
4. **Fee Structure:** Provides a detailed fee breakdown.
5. **Hostel and Training Facilities:** Details hostel amenities and training.
6. **College Location:** Shares the location with an option for more details.
7. **Recognition and Accreditation:** Explains recognition with an option for more details.



8. **Clinical Training Locations:** Lists training sites.
9. **Scholarship Options:** Outlines available scholarships.
10. **Total Seats Available:** States the number of seats.
11. **Eligibility for Admission:** Provides full eligibility criteria.

**End Conversation:** If the user declines to proceed at any point, the assistant ends politely.

## 4 Detailed Conversation Script

Below is the complete conversational flow with assistant messages and user response handling.

### 4.1 Step 1: Initial Admission Interest

**Assistant:** "Are you interested in admission to the Nursing College?"

- *User:* "Yes", "Haan", "Tell me more" → Proceed to Step 2.
- *User:* "No", "Nahi" → **Assistant:** "Thank you for your time. If you have any questions in the future, feel free to ask." (End)

### 4.2 Step 2: Eligibility Check

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

- *User:* "Yes" → Proceed to Step 3.
- *User:* "No" → **Assistant:** "B.Sc Nursing mein admission ke liye Biology avashyak hai. Thank you for your interest. If you have any other questions, please let me know." (End)

### 4.3 Step 3: Program Details

**Assistant:** "The B.Sc Nursing program is a full-time course. Would you like more information about the program?"

- *User:* "Yes" → **Assistant:** "The program spans 4 years and includes both theoretical and practical training in nursing." Then ask: "Would you like to know about the fee structure?"
- *User:* "No" → Ask: "Would you like to know about the fee structure?"
- *User:* "Yes" to fee structure → Proceed to Step 4.
- *User:* "No" to fee structure → **Assistant:** "Thank you for your time. If you have any questions in the future, feel free to ask." (End)

#### 4.4 Step 4: Fee Structure

**Assistant:** "The fee structure is as follows: Tuition Fee: ₹60,000 INR, Bus Fee: ₹10,000 INR, Total Annual Fees: ₹70,000 INR. The total fees are divided into 3 installments: 1st Installment: ₹30,000 (due at the time of admission), 2nd Installment: ₹20,000 (due after the first semester), 3rd Installment: ₹20,000 (due after the second semester). Would you like to know about the hostel and training facilities?"

- *User: "Yes"* → Proceed to Step 5.
- *User: "No"* → **Assistant:** "Thank you for your time. If you have any questions in the future, feel free to ask." (End)

#### 4.5 Step 5: Hostel and Training Facilities

**Assistant:** "The hostel facilities include 4x7 water and electricity, CCTV surveillance for security, and a warden available on-site. Additionally, hospital training is included, with students working with real patients during their training. Would you like to know about the college location?"

- *User: "Yes"* → Proceed to Step 6.
- *User: "No"* → **Assistant:** "Thank you for your time. If you have any questions in the future, feel free to ask." (End)

#### 4.6 Step 6: College Location

**Assistant:** "The college is located in Delhi. Would you like to know more about the location or surrounding area?"

- *User: "Yes"* → **Assistant:** "The college is situated in a peaceful area with good connectivity to public transport and nearby amenities." Then ask: "Would you like to know about the college's recognition and accreditation?"
- *User: "No"* → Ask: "Would you like to know about the college's recognition and accreditation?"
- *User: "Yes" to recognition* → Proceed to Step 7.
- *User: "No" to recognition* → **Assistant:** "Thank you for your time. If you have any questions in the future, feel free to ask." (End)

#### 4.7 Step 7: Recognition and Accreditation

**Assistant:** "The college is recognized by the Indian Nursing Council (INC) in Delhi. Would you like to know more about this?"

- *User: "Yes"* → **Assistant:** "The INC recognition ensures that the college meets national standards for nursing education." Then ask: "Would you like to know about the clinical training locations?"

- *User: "No" → Ask: "Would you like to know about the clinical training locations?"*
- *User: "Yes" to training locations → Proceed to Step 8.*
- *User: "No" to training locations → Assistant: "Thank you for your time. If you have any questions in the future, feel free to ask." (End)*

#### 4.8 Step 8: Clinical Training Locations

**Assistant:** "Clinical training is provided at various locations, including District Hospital (Bakundpur), Community Health Centers, Regional Hospital (Chartha), and Ranchi Neurosurgery and Allied Science Hospital (Ranchi, Jharkhand). Would you like to know about scholarship options?"

- *User: "Yes" → Proceed to Step 9.*
- *User: "No" → Assistant: "Thank you for your time. If you have any questions in the future, feel free to ask." (End)*

#### 4.9 Step 9: Scholarship Options

**Assistant:** "Available scholarships include the Government Post-Matric Scholarship (₹18k-₹23k) and Labour Ministry Scholarships (₹40k-₹48k) for those with Labour Registration. Would you like to know about the total seats available?"

- *User: "Yes" → Proceed to Step 10.*
- *User: "No" → Assistant: "Thank you for your time. If you have any questions in the future, feel free to ask." (End)*

#### 4.10 Step 10: Total Seats Available

**Assistant:** "There are a total of 60 seats available in the Nursing program. Would you like to know about the eligibility criteria for admission?"

- *User: "Yes" → Proceed to Step 11.*
- *User: "No" → Assistant: "Thank you for your time. If you have any questions in the future, feel free to ask." (End)*

#### 4.11 Step 11: Eligibility for Admission

**Assistant:** "To be eligible for admission, you must have studied Biology in 12th grade, passed the PNT Exam, and be between 17 to 35 years of age. Thank you for your interest. If you have any further questions, feel free to ask." (End)

## 5 Conclusion

This conversational design delivers a seamless, modular experience that can be quickly integrated into LiA Plus AI's chatbot platform. By guiding users step-by-step—while dynamically adapting to their responses—it ensures clarity, reduces user confusion, and highlights key admission details only when requested.