**LiaPlus AI Prompt Engineering Assignment:**

**Name:** Rajpreet Choudhary  
**Phone: +91-** 7842334373  
**Email:** choudharyrajpreet@gmail.com  
**Reg. No:** 12207676

**This chatbot flow simulates real conversations with prospective B.Sc. Nursing applicants.  
It includes a logic-based flowchart, scenario mapping table, and modular responses.  
Every path is designed to guide, inform, or redirect based on user intent.**

**conversation flowchart** (Yes/No decision tree)

A diagram of a flowchart

AI-generated content may be incorrect.

scenario flowchart 1

**Scenario Table** mapping each user intent to its bot strategy

| **Scenario** | **User Intent** | **Bot Goal** |
| --- | --- | --- |
| 1 | Not Interested | End conversation politely |
| 2 | Interested & Eligible | Guide to application steps |
| 3 | Interested but Not Eligible | Offer alternatives |
| 4 | Unsure | Reassure & give context |
| 5 | Asking about Facilities | Provide training/living info |
| 6 | Asking about Scholarships | List funding options |
| 7 | Asking about Career/Placement | Build confidence in outcomes |
| 8 | Postponing Decision | Leave door open |

**modular scenario-wise chatbot dialogue** with token summaries

**Scenario 1: User Not Interested Initially**

***(User declines conversation; assistant exits politely)***

**Assistant**: Hello! I’m the admissions assistant for our nursing college. Would you like to learn about our B.Sc. Nursing program?

**User**: No, thank you.

**Assistant**: No problem! If you have questions or change your mind later, feel free to reach out. Have a great day!

**Scenario 2: User Interested and Eligible**

**(*Full flow: eligible user guided through program, fees, scholarships, and application*)**

**Assistant**: Hello! Are you interested in applying for our B.Sc. Nursing program?

**User**: Haan, I’m curious about the process.

**Assistant**: Great! First, did you study Biology in your 12th grade?

**User**: Yes, I did.

**Assistant**: Perfect. You also need to be between 17 and 35 years old and pass the PNT (Pre-Nursing Test). Does that apply to you?

**User**: Yes, I meet all of that.

**Assistant**: Awesome! Our B.Sc. Nursing program is a **4-year full-time degree**. It includes core subjects and hands-on training with real patients at affiliated hospitals. Would you like details on **fees, facilities**, or **scholarships** next?

**User**: What are the fees?

**Assistant**: The **annual fee is ₹70,000**, which includes:

* ₹60,000 tuition
* ₹10,000 bus fee (optional)

Payment is made in 3 installments:

* ₹30,000 at admission
* ₹20,000 after Semester 1
* ₹20,000 after Semester 2

**User**: Do you offer hostel and training facilities?

**Assistant**: Yes. The hostel includes:

* 24×7 water and electricity
* CCTV surveillance
* On-site warden
* Three meals a day

For clinical training, you'll work with real patients at:

* District Hospital (Backundpur)
* Regional Hospital (Chartha)
* Ranchi Neurosurgery & Allied Science Hospital
* Community Health Centers

**User**: Are there scholarships?

**Assistant**: Yes, you may qualify for:

* Government Post-Matric (₹18k–₹23k)
* Labour Ministry Scholarship (₹40k–₹48k) if your parent is registered with the Labour Department

**User**: How many seats are available?

**Assistant**: There are **60 seats** total. Admissions are based on eligibility and entrance results.

**User**: Sounds good. How do I apply?

**Assistant**: Let’s begin the application process. I’ll walk you through the steps.

**Scenario 3: User Interested but Not Eligible**

**(*User is filtered out based on missing Biology or age; alternative paths offered*)**

**Assistant**: Hello! Are you interested in applying for our B.Sc. Nursing program?

**User**: Yes, but I didn’t study Biology.

**Assistant**: B.Sc. Nursing mein admission ke liye **Biology avashyak hai**. Aap jab eligible ho jaayein, tab zaroor apply karein.

**User**: I’m 40 years old.

**Assistant**: The program requires candidates to be between **17 and 35 years** old. But don’t worry—we have **shorter diploma courses** you might consider. Would you like to hear about them?

**User**: Yes.

**Assistant**: You can explore:

**( proceeds to give alternative options)**

**Scenario 4: User Unsure or Hesitant**

**(*Assistant reassures, explains job prospects to build confidence*)**

**User**: I’m not sure if nursing is the right career for me.

**Assistant**: Totally understandable! Nursing is in high demand and offers a stable, respected career. Would you like to know about **career opportunities** or **job placements**?

**User**: What kind of jobs can I get?

**Assistant**: You’ll become a **Registered Nurse**. Graduates work in:

* Hospitals and clinics
* Government and community health centers
* International placements
* Specialties like critical care, pediatrics, or mental health

**User**: That sounds interesting.

**Assistant**: I’m glad! Would you like to explore the course details?

**Scenario 5: User Asks About Facilities (Hostel, Transport, Training)**

**(*Facilities, hostel, training locations, and transport details shared*)**

**User**: What facilities do you offer?

**Assistant**: We provide on-campus hostel facilities with:

* 24×7 water and electricity
* CCTV surveillance
* Wardens
* 3 meals per day

**User**: Where does training happen?

**Assistant**: You’ll train at our affiliated hospitals:

* District Hospital (Backundpur)
* Regional Hospital (Chartha)
* Ranchi Neurosurgery & Allied Science Hospital
* Community Health Centers

Transport is available if needed.

**Scenario 6: User Asks About Scholarships**

**(*Scholarship types and eligibility shared with reassurance*)**

**User**: Do you offer any financial help?

**Assistant**: Yes! You may be eligible for:

* **Post-Matric Scholarship**: ₹18k–₹23k
* **Labour Ministry Scholarship**: ₹40k–₹48k if you or your parent is labour-registered

We’ll help you apply if you qualify.

**Scenario 7: User Asks About Placements**

**(*Placement support and post-degree career paths explained*)**

**User**: Will I get job support after graduation?

**Assistant**: Absolutely. We have regular **campus recruitment drives**. Many graduates join:

* Holy Family Hospital (on-campus)
* Delhi hospitals and clinics
* International nursing programs

You’ll have strong career guidance from us.

**Scenario 8:**

**(*Polite exit with open invitation to return before deadline*)**

**1. User Says “Maybe Later”**

**User**: I’m not sure yet. Maybe I’ll apply later.

**Assistant**: Totally fine! Applications are open until **\_\_\_\_**. I’m here whenever you’re ready.

**2. User Declines or Stops Conversation**

**User:** No, thank you. (or user says “Nahi” or stops responding)

**Assistant:** I understand. If you have other questions later or decide to apply, feel free to reach out. Best of luck with your career planning! Have a nice day.