

# Prompt Engineering Assignment

**Lia Plus AI**

AI Conversational Workflow

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## Introduction: A User-Centric Conversational Design

The following document outlines a structured, AI-driven conversational flow designed for a prospective nursing student interacting with a college admissions assistant. The core philosophy behind this design is to create a seamless, guided, and empathetic user experience.

The flow is engineered to be more than just a question-and-answer system; it proactively guides the user through the complex set of admission details, from initial eligibility to final application steps, ensuring clarity and building confidence at each stage. The goal is to be efficient, accurate, and user-friendly, aligning with the high standards of a modern conversational AI.

### The Structured Conversation Flow:

Here is the detailed, step-by-step script for the AI assistant.

#### Step 1: Initial Admission Interest

**Assistant Prompt:** "Hello! Welcome to the Nursing College's admission inquiry. Are you interested in learning about admission to our B.Sc. Nursing program?"

**User Interaction:**

- If the user responds positively ("Yes," "Haan"), the conversation moves to the next logical step to check their eligibility.
- If the user responds negatively ("No," "Nahi"), the assistant will offer a polite closing.

#### Step 2: Eligibility Check

**Assistant Prompt:** "Great! To check the primary eligibility, could you please confirm if you studied Biology in your 12th grade?"

**User Interaction:**

- If the user confirms they studied Biology, the assistant validates them and moves forward with program details.
- If the user indicates they haven't studied Biology or mentions another subject, the assistant provides the required, clear disqualification message: "B.Sc Nursing mein admission ke liye Biology avashyak hai."

#### Step 3: Program Details

**Assistant Prompt:** "Excellent, you meet the initial academic requirement. Our B.Sc Nursing Program is a comprehensive, full-time degree course designed to prepare you for a successful career in healthcare. Would you like more information about the program?"

**User Interaction:** The flow is designed to seamlessly transition to the next topic, ensuring the user gets all critical information without having to ask.

#### Step 4: Fee Structure:

**Assistant Prompt:** "Here is the detailed fee breakdown for the program:

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

The total fee is divided into three convenient 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)
- Next, shall I tell you about our hostel and training facilities?"

**User Interaction:** A positive confirmation continues the flow, while a negative one would lead to a polite closing.

#### Step 5: Hostel, Training, and Location:

**Assistant Prompt:** "We provide excellent on-campus facilities for our students. Our college is located in Delhi, and the hostel includes 24x7 water and electricity, complete CCTV surveillance for security, and an on-site warden. Additionally, hospital training is a core part of our curriculum, where students get to work with real patients for invaluable hands-on experience. Would you like to know more about the location or the surrounding area?"

#### Step 6: Accreditation and Clinical Training:

- **Assistant Prompt:** "For your assurance, our college is fully recognized by the Indian Nursing Council (INC) in Delhi. This ensures your degree meets the highest national standards. Would you like to know more about this? Our students also receive robust clinical experience at several reputable healthcare centers, including:
  - **District Hospital** (Backundpur)
  - **Community Health Centers**
  - **Regional Hospital** (Chartha)
  - **Ranchi Neurosurgery and Allied Science Hospital** (Ranchi, Jharkhand)

#### Step 7: Final Details and Closing

- **Assistant Prompt:** "We're almost at the end. I'll now provide the final key details. We have a total of 60 seats available for the Nursing program. We also help our students apply for scholarships, such as the Government Post-Matric Scholarship (₹18k-₹23k) and Labour Ministry Scholarships (₹40k-₹48k).

Finally, the complete eligibility criteria for admission are:

- Biology in 12th grade
- A passed score on the PNT Exam
- An age between 17 and 35 years to 35 years

You now have a complete overview. Would you like to take the next step and speak with an admissions counselor?"

**User Interaction:** A "Yes" response would lead to a warm hand-off, while a "No" would result in a polite closing, offering help for the future.

## Visual Workflow Diagram

The image is too big to fit here, so I am supposed to give workflow link, below is the direct link to conversational workflow

[https://kroki.io/mermaid/svg/eNqFVtlyGjcUvvdTnCEzSTrtflx7GRLcWGXBWYHuIapp3Z6lXYFqyBWjKS1TTO96Vv1dfokPdlluI3dhhlmj4dfd\\_5k8DzvINYZHO28A8AONmIXPswZ080OfBwb87FY5wSqWEaHoDKZwtJ1qkxBSao39euU6IoNHZ4ISeczVIMNBN'78i8YxyH2pttSYZKL3h9KfPtVhwIf3PtU5XUkBIYJmmkipNEzShdzSIYZxLxbLFefvYHO3U4M8dcfe-NtEYmqMVfF8rZInVUjpPntBjiC82Rq7R1OILMneYo-BMUwi4UNRRc-9r\\_aeYck4zfdSeyc6nXFaiBqaAwDzn3NNsRWEtBdZvZX1vSaZhJeQOxRjm4tyh7zvIvKnQrjG55lVUwprDUtqCDnb0F0-5IGodEOWkBJ29KZlth2bJCy1sbFvY9GGEeciVbSCEILMHKjdOQNF9rT3rJITCRMs8lrmk7eNZx4jbb96ZCk0w3H\\_--vusfliiv12E0vmkf53bbg2nODLXdP7X7Bd7LlcUaO6ykG2UK-fgK66v8PU9DaevfcjiaWWKxpo01pls5iQxsIkOBk8YPYSoJy0xZX5pV-ke4EsUIf5Na4e1EcJ0BrcEB7Y81-c01pLFTG8KhyCY\\_gqTXD5QxjnJY1o63hKZ0KwsyVb7kekUJCUc1qhuEt5qm6HC6eV0Qc08YecxduxOykyE-1nSApaZeCxmiszwIoNO0UJSd6qGNvduHEuaMP0s0xsai0XG\\_sArONv4Rmo0Dg5hp\\_f\\_cky5UiMrFXDMMMBEdrluK6xcYQ9Cpkz9NGCp1x7c9Ei\\_zLFnn8oeypmK1yjMsmQyxVliygJo3QxW7N3SBtHhwzxCYxysl5tEbbEPKYExzKVQuFzj018b-Mt3pLm9Iy0flmYEQqoI4wpe20cBk3LSvrBpTyjR6hAmcSo4kSplalX2v2Doc7ZgM8bNuFQnzZ60gwandbBXyt11CJ1pHlgHfQTXXOKTel\\_NjXq\\_9IqtZZn9IWmThI\\_YBaz0xnqclJfeyfvCo1R4Fp8j8817WYDX4yn0n\\_AFuyZK0aQAuwwqQ-PMa72DDcV4nQIdfq0FIsvwupgpls5TpnDS80xRfKvPa\\_sn-OrePRBsXtYdM78G4Hkd6Fm7hzb8RtXkCC7wYM9PhYWubNIUHpaKNxD6HQMn\\_D-SLzBsy9G2Xj0rUftlQhdgshCkbUH1h5sI8H4NctyaveGdm\\_44t7I7o2sfWHtC2tfWvvSlbvaQ5WkzC-uSskaG5AwshJZUpQy-A-8v8clZlrWve7fkJjZvpSIF1E8EHwtFgGzxzug5hddmvLqPqclBdDqvLUXV5UV1ePovkquIQcxzMkM7BQvj3hnp\\_Vb8XvYuiQ7wJYkn9V71-GG39B5Zolo\\_uX6qnt-KIBRRFDWDYEcRRcGH09PvUOC8rgX-0dlRhGG\\_7ID0Wr3uc4p\\_ASEE8r4](https://kroki.io/mermaid/svg/eNqFVtlyGjcUvvdTnCEzSTrtflx7GRLcWGXBWYHuIapp3Z6lXYFqyBWjKS1TTO96Vv1dfokPdlluI3dhhlmj4dfd_5k8DzvINYZHO28A8AONmIXPswZ080OfBwb87FY5wSqWEaHoDKZwtJ1qkxBSao39euU6IoNHZ4ISeczVIMNBN'78i8YxyH2pttSYZKL3h9KfPtVhwIf3PtU5XUkBIYJmmkipNEzShdzSIYZxLxbLFefvYHO3U4M8dcfe-NtEYmqMVfF8rZInVUjpPntBjiC82Rq7R1OILMneYo-BMUwi4UNRRc-9r_aeYck4zfdSeyc6nXFaiBqaAwDzn3NNsRWEtBdZvZX1vSaZhJeQOxRjm4tyh7zvIvKnQrjG55lVUwprDUtqCDnb0F0-5IGodEOWkBJ29KZlth2bJCy1sbFvY9GGEeciVbSCEILMHKjdOQNF9rT3rJITCRMs8lrmk7eNZx4jbb96ZCk0w3H_--vusfliiv12E0vmkf53bbg2nODLXdP7X7Bd7LlcUaO6ykG2UK-fgK66v8PU9DaevfcjiaWWKxpo01pls5iQxsIkOBk8YPYSoJy0xZX5pV-ke4EsUIf5Na4e1EcJ0BrcEB7Y81-c01pLFTG8KhyCY_gqTXD5QxjnJY1o63hKZ0KwsyVb7kekUJCUc1qhuEt5qm6HC6eV0Qc08YecxduxOykyE-1nSApaZeCxmiszwIoNO0UJSd6qGNvduHEuaMP0s0xsai0XG_sArONv4Rmo0Dg5hp_f_cky5UiMrFXDMMMBEdrluK6xcYQ9Cpkz9NGCp1x7c9Ei_zLFnn8oeypmK1yjMsmQyxVliygJo3QxW7N3SBtHhwzxCYxysl5tEbbEPKYExzKVQuFzj018b-Mt3pLm9Iy0flmYEQqoI4wpe20cBk3LSvrBpTyjR6hAmcSo4kSplalX2v2Doc7ZgM8bNuFQnzZ60gwandbBXyt11CJ1pHlgHfQTXXOKTel_NjXq_9IqtZZn9IWmThI_YBaz0xnqclJfeyfvCo1R4Fp8j8817WYDX4yn0n_AFuyZK0aQAuwwqQ-PMa72DDcV4nQIdfq0FIsvwupgpls5TpnDS80xRfKvPa_sn-OrePRBsXtYdM78G4Hkd6Fm7hzb8RtXkCC7wYM9PhYWubNIUHpaKNxD6HQMn_D-SLzBsy9G2Xj0rUftlQhdgshCkbUH1h5sI8H4NctyaveGdm_44t7I7o2sfWHtC2tfWvvSlbvaQ5WkzC-uSskaG5AwshJZUpQy-A-8v8clZlrWve7fkJjZvpSIF1E8EHwtFgGzxzug5hddmvLqPqclBdDqvLUXV5UV1ePovkquIQcxzMkM7BQvj3hnp_Vb8XvYuiQ7wJYkn9V71-GG39B5Zolo_uX6qnt-KIBRRFDWDYEcRRcGH09PvUOC8rgX-0dlRhGG_7ID0Wr3uc4p_ASEE8r4)