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## 1. Introduction to the LiaPlus AI Nursing College Assistant

The LiaPlus AI Nursing College Assistant is an AI-driven conversational system designed to guide prospective nursing students through the admission process. Its purpose is to enhance user experience by providing intelligent, context-aware interactions for applicants.

### 1.1. Purpose and Objectives

The core objective is to serve as a comprehensive guide for B.Sc Nursing program applicants. The system evaluates the ability to craft intelligent, context-aware conversational flows that enhance user experience and address specific real-world needs. It manages multi-step queries and diverse user intentions while maintaining a professional and user-friendly tone. The system delivers accurate information based on specific input and ensures seamless user navigation within complex information.

### 1.2. Core Design Principles

The conversational flow is built on foundational principles ensuring effective communication and user trust.

|  |  |
| --- | --- |
| Principle | Description |
| **Clarity** | Direct and unambiguous communication of information. |
| **User-Friendliness** | Intuitive interaction, empathetic acknowledgments, and open-ended questions. |
| **Accuracy** | Paramount for building trust and compliance with college requirements. |
| **Professionalism** | Formality, precision, and authority in conveying official information. |

## 2. Conversational Flow Design: Guiding Prospective Nursing Students

This section outlines the AI's prompts, anticipated user responses, and subsequent actions, forming a logical progression through the admission process.

### 2.1. Phase 1: Initial Engagement & Eligibility Assessment

This phase focuses on welcoming the student and checking academic eligibility.

#### 2.1.1. Welcome and Admission Interest

The AI initiates the conversation by stating its purpose and inquiring about admission interest.1

**AI Prompt:** "Welcome to the Prompt Engineering Intern assignment at LiaPlus AI. This task is designed to evaluate your ability to craft intelligent, context-aware conversational flows that enhance user experience and address specific real-world needs. You'll be working on a scenario that simulates how our Al assistant could help guide prospective nursing students through the admission process for a Nursing College."Are you interested in learning about admission to our B.Sc Nursing program?"

**User Response Handling - Initial Interest**

|  |  |  |
| --- | --- | --- |
| User Response Type | Examples | AI Action |
| **Positive** | "Yes", "Haan", "Tell me more" | Proceed to Biology Check. |
| **Negative** | "No", "Nahi" | Acknowledge, politely conclude, offer future assistance. |

#### 2.1.2. 12th Grade Biology Check & Mandatory Requirement Handling

Following positive interest, the AI checks for 12th-grade Biology, a mandatory criterion.1

**AI Prompt:** "Great! To check your eligibility for the B.Sc Nursing program, could you please tell me if you studied Biology in your 12th grade?"

**User Response Handling - Biology Check**

|  |  |  |
| --- | --- | --- |
| User Response Type | Examples | AI Action |
| **Confirms Biology** | "Yes, I studied Biology" | Proceed to Program Overview. |
| **No Biology / Other Subject** | "No", "Maths", "Nahi" | Inform of mandatory requirement. |

**Mandatory Biology Requirement**

|  |  |
| --- | --- |
| Language | Statement |
| **Hindi** | "B.Sc Nursing mein admission ke liye Biology avashyak hai." |
| **English Clarification** | "Biology is a mandatory requirement for the B.Sc Nursing program." |

### 2.2. Phase 2: Program & Financial Details

This phase provides specifics on the nursing program and its costs.

#### 2.2.1. B.Sc. Nursing Program Overview (Full-Time)

The AI provides a concise overview of the B.Sc Nursing program, noting its full-time nature.1

**AI Prompt:** "The B.Sc Nursing program is a comprehensive, full-time course designed to equip students with the necessary skills and knowledge for a successful career in nursing. Would you like more information about the program curriculum or structure?"

#### 2.2.2. Detailed Fee Structure Breakdown

Upon user affirmation, the AI presents a comprehensive breakdown of annual fees and installment plans.

**B.Sc. Nursing Program Fee Structure**

|  |  |  |
| --- | --- | --- |
| Fee Component | Amount (INR) | Payment Schedule |
| Tuition Fee | ₹60,000 | Included in installments |
| Bus Fee | ₹10,000 | Included in installments |
| **Total Annual Fees** | **₹70,000** | 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 |

**AI Prompt:** "Certainly! Here's a detailed breakdown of the B.Sc Nursing program fees for the year: Tuition Fee: ₹60,000 INR, Bus Fee: ₹10,000 INR, Total Annual Fees: ₹70,000 INR. These total fees are conveniently divided into three 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). Do these details clarify the fee structure for you?"

### 2.3. Phase 3: Facilities & Logistics

This phase details living and practical training environments.

#### 2.3.1. Hostel and Training Facilities Description

The AI describes hostel amenities and practical hospital training.

**Hostel and Training Facilities**

|  |  |
| --- | --- |
| Facility Type | Details |
| **Hostel Amenities** | 24x7 water and electricity, CCTV surveillance, on-site warden |
| **Training** | Hospital training included, students work with real patients |

**AI Prompt:** "Beyond academics, we offer excellent facilities. Our hostel provides 24x7 water and electricity, CCTV surveillance for security, and a warden available on-site for student support. Additionally, our program includes comprehensive hospital training where students gain invaluable experience working with real patients. Would you like to know more about student life or training specifics?"

#### 2.3.2. College Location and Surrounding Area Information

The AI informs about the college's Delhi location and offers more details.

**College Location**

|  |  |
| --- | --- |
| City | Country |
| Delhi | India |

**AI Prompt:** "Our Nursing College is conveniently located in Delhi. Would you like to know more about the specific area or nearby amenities?"

### 2.4. Phase 4: Accreditation & Clinical Experience

This phase covers official recognition and clinical exposure.

#### 2.4.1. Recognition and Accreditation (INC Delhi)

The AI confirms college recognition by the Indian Nursing Council (INC) in Delhi.

**Accreditation Details**

|  |  |  |
| --- | --- | --- |
| Body | Location | Significance |
| Indian Nursing Council (INC) | Delhi | Ensures programs meet national standards |

**AI Prompt:** "Our college is recognized by the Indian Nursing Council (INC) in Delhi, ensuring our programs meet national standards for nursing education. Is there anything specific you'd like to know about this recognition?"

#### 2.4.2. Clinical Training Locations

The AI lists diverse clinical training sites for broad practical exposure.

**Clinical Training Locations**

|  |  |
| --- | --- |
| Location | Type of Facility / Description |
| District Hospital (Backundpur) | General hospital setting for broad clinical exposure |
| Community Health Centers | Focus on primary healthcare and public health initiatives |
| Regional Hospital (Chartha) | Broader regional medical facility |
| Ranchi Neurosurgery and Allied Science Hospital (Ranchi, Jharkhand) | Specialized hospital, offering exposure to advanced medical fields, including out-of-state experience |

**AI Prompt:** "Our students gain diverse clinical experience at several locations, including District Hospital (Backundpur), Community Health Centers, Regional Hospital (Chartha), and Ranchi Neurosurgery and Allied Science Hospital (Ranchi, Jharkhand). This ensures a wide range of patient interactions and learning environments. Would you like to know more about the types of training offered at these locations?"

### 2.5. Phase 5: Support & Admission Criteria

This final phase details financial support and admission requirements.

#### 2.5.1. Scholarship Options

The AI describes available scholarships, highlighting the Labour Ministry Scholarship's potential.

**Available Scholarship Options**

|  |  |  |
| --- | --- | --- |
| Scholarship Name | Amount Range | Eligibility |
| Government Post-Matric Scholarship | ₹18,000 - ₹23,000 | General |
| Labour Ministry Scholarships | ₹240,000 - ₹48,000 | For those with Labour Registration |

**AI Prompt:** "To support our students, we offer a few scholarship options: Government Post-Matric Scholarship: This typically ranges from ₹18,000 to ₹23,000. Labour Ministry Scholarships: For those with Labour Registration, these scholarships can provide substantial support, ranging from ₹240,000 to ₹48,000. Are you interested in learning more about the eligibility or application process for these scholarships?"

#### 2.5.2. Total Seats Available

The AI informs the user about the limited number of seats.

**Total Seats Available**

|  |  |
| --- | --- |
| Program | Total Seats |
| B.Sc Nursing | 60 |

**AI Prompt:** "Please note that there are a total of 60 seats available in the B.Sc Nursing program. This information is important for planning your application."

#### 2.5.3. Comprehensive Eligibility Criteria

The AI consolidates all key admission criteria.

**B.Sc. Nursing Program Eligibility Criteria**

|  |  |
| --- | --- |
| Requirement | Details |
| Biology in 12th grade | Mandatory |
| PNT Exam | Must be passed |
| Age | 17 to 35 years |

**AI Prompt:** "To summarize the full eligibility criteria for admission to the B.Sc Nursing program, you must have: Studied Biology in your 12th grade. Passed the PNT Exam. An age between 17 to 35 years. Do you have any further questions about these requirements or the application process?"

## 3. User Interaction and Response Handling Strategy

The logic for managing user responses ensures a consistent and intuitive experience.

### 3.1. Positive Response Logic

|  |  |  |
| --- | --- | --- |
| User Input | Interpretation | AI Action |
| "Haan", "Yes", "Tell me more", "Kya hai?", "Batao" | Signal to proceed | Continue to next logical step or provide more info on current topic |

### 3.2. Negative Response Logic

|  |  |  |
| --- | --- | --- |
| User Input | Interpretation | AI Action |
| "No", "Nahi" | Signal to disengage | Acknowledge, politely conclude, offer future assistance |

## 4. Overall Conversational Flow (Textual Diagram)

## 5. User View Perspective (Key Interaction Points)

This outlines what the user experiences at each stage of the conversation.

* **Initial Greeting:** User sees AI's welcome message and question about admission interest.
* **Eligibility Check:** User is prompted to state if they studied Biology in 12th grade.
* **Program Overview:** User receives a brief description of the B.Sc Nursing program and is asked if they want more details.
* **Fee Structure:** User sees a detailed breakdown of fees and installment plans.
* **Facilities:** User reads about hostel amenities and hospital training, then is asked about further interest.
* **Location:** User is informed about the college's Delhi location and offered more details.
* **Accreditation:** User learns about INC recognition and is asked if they want specifics.
* **Clinical Training:** User sees a list of training locations and is asked about training types.
* **Scholarships:** User receives information on available scholarships and is asked about eligibility/application.
* **Seats Available:** User is informed about the total number of seats.
* **Eligibility Summary:** User sees a consolidated list of all admission criteria.
* **Disengagement:** If user says "No," they receive a polite farewell and offer for future assistance.

## 6. Data Flow Overview (Key Information Exchange)

This section describes the primary data points exchanged and processed by the AI.

|  |  |  |  |
| --- | --- | --- | --- |
| Data Point | Source | Destination | Purpose |
| **Admission Interest** | User Input | AI System | Determines conversation path (continue/end) |
| **12th Grade Subject (Biology)** | User Input | AI System | Eligibility assessment for B.Sc Nursing |
| **Program Details Request** | User Input | AI System | Triggers B.Sc Nursing program information delivery |
| **Fee Structure Request** | User Input | AI System | Triggers detailed fee breakdown delivery |
| **Hostel/Training Info Request** | User Input | AI System | Triggers facilities description delivery |
| **Location Info Request** | User Input | AI System | Triggers college location details delivery |
| **Accreditation Info Request** | User Input | AI System | Triggers INC recognition details delivery |
| **Clinical Training Request** | User Input | AI System | Triggers clinical training locations delivery |
| **Scholarship Info Request** | User Input | AI System | Triggers scholarship options delivery |
| **Eligibility Criteria Request** | User Input | AI System | Triggers comprehensive eligibility summary delivery |
| **Mandatory Biology Rule** | AI System (Pre-defined) | User Output | Informs user of non-negotiable requirement |
| **Fee Amounts & Installments** | AI System (Pre-defined) | User Output | Provides financial transparency |
| **Facility Descriptions** | AI System (Pre-defined) | User Output | Informs about living and training environment |
| **Accreditation Status** | AI System (Pre-defined) | User Output | Confirms college credibility |
| **Training Locations List** | AI System (Pre-defined) | User Output | Details practical exposure opportunities |
| **Scholarship Ranges** | AI System (Pre-defined) | User Output | Informs about financial aid options |
| **Total Seats** | AI System (Pre-defined) | User Output | Informs about program capacity |
| **Age Limits** | AI System (Pre-defined) | User Output | Part of eligibility criteria |
| **PNT Exam Requirement** | AI System (Pre-defined) | User Output | Part of eligibility criteria |

## 7. Conclusion

The LiaPlus AI Nursing College assistant is designed for a comprehensive, user-centric experience. Its structured flow and thoughtful response handling enhance the efficiency and clarity of the admissions process.

### 7.1. Summary of Conversational Flow Strengths

The design exhibits robust structure, logical progression, and efficient guidance through complex information.

**Key Strengths**

|  |  |
| --- | --- |
| Strength | Description |
| **Adherence to Requirements** | Unwavering compliance with specified topics and phrases. |
| **Information Delivery** | Clear, concise, and accurate presentation of details. |
| **Adaptive Response Handling** | Manages varied user responses (positive/negative) while maintaining tone. |
| **Reliability** | Accuracy and completeness of replies are central to trust. |
| **User-Friendliness** | Logical progression and intuitive conversation design. |

### 7.2. Emphasis on User Experience and Information Delivery

The flow prioritizes a seamless and user-friendly experience through progressive disclosure, anticipating needs, and proactive guidance. All critical details are conveyed with precision and professionalism, building trust. This design fulfills the objective of enhancing user experience, addressing real-world needs, maintaining a professional tone, and ensuring seamless navigation within complex information.