School of Computer Science and Engineering

Prompt Engineering Assignment

Role: Prompt Engineering Intern

Submitted to: Lia Plus AI

Assignment Code: TC.36980.2026.52451

Submission Deadline: 11th July, 9 A.M

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Introduction :-

This assignment is designed to create a user-friendly and intelligent chatbot flow that helps prospective students smoothly navigate the B.Sc Nursing admission process. The assistant is structured to filter eligible users, share program-related information, and handle varied user inputs (both positive and negative) in a conversational and respectful tone.

The flow is made to feel natural, approachable, and informative — like a real student assistant helping others.

Step-1 Greeting and Admission Interest

Case 1- User starts in English

User: Hello! I want information about Nursing College admissions.

Bot (Replies in English): Hi! Welcome to the Nursing College Admission Assistant. Are you interested in applying for admission?

User: 'Haan' / 'Yes' :
Bot: That's great! Let's begin by checking your eligibility for the program.

User: 'Nahi'/ 'No' :
Bot: No problem. If you decide to explore admissions later, feel free to reach out. Have a great day!
(Conversation Ends)

Case 2: User starts in Hindi

User: Hello! Mujhe Nursing College admission ke bare mein details chaiye.

Bot (Replies in Hinglish): Namaste! Welcome to the Nursing College Admission Assistant. Kya aap admission ke liye interested hain?

User: 'Haan'/ 'Yes':
Bot: Bhut acha! Chaliye aapka eligibility check kar lete hain.

User: 'Nahi'/ 'No':
Bot: Theek hai. Agar aap future me admission ke bare me sochen, toh mujhe contact kar

sakte hain. Dhanyawad aur aapka din shubh ho!
(Conversation Ends)

Step 2: Eligibility Check – Biology Subject

Bot: Kya apne 12th me Biology subject liya tha?

User: "Haan" or "Yes"
Bot: Perfect. Biology B.Sc Nursing ke liye zaruri hai. Aayiye agla step dekhte hain.

User: 'Nhi' /'No'
Bot: Sorry, B.Sc Nursing ke admission ke liye Biology compulsory hai.
Kya aap chahte hain ki mai aapko doosre programs ke options bataun?

User: 'Haan'/ 'Yes'
Bot: Bot shares alternative programs

User: 'Nhi'/ 'NO'
Bot: No problem. Agar aap future me kisi aur course ke baare me jaana chahein toh zarur poochiye. Wish you all the best!
(Conversation Ends)

Step 3: Program Details

Bot: B.Sc Nursing ek 4 saal ka full-time program hai jo theoretical knowledge aur hospital training dono cover karta hai. Kya aap program ke structure aur subjects ke details jaana chahenge?

User: "Haan" or "Yes"
Bot: Bot gives details of syllabus and internships (then moves to fees).

User: "Nhi" or "No"
Bot: Theek hai. Agar aapko future me details chahiye ho toh mujhe message kar sakte hain. Have a nice day.
(Conversation Ends)

Step 4: Fee Structure

Bot: Annual fee Rs. 70,000 hai jo 3 installments me pay ki ja sakti hai:

- Rs. 30,000 admission ke time
- Rs. 20,000 first semester ke baad
- Rs. 20,000 second semester ke baad
- Optional bus fee: Rs. 10,000

Bot: Kya aap scholarships ke details bhi jaana chahenge?

User: "Haan" or "Yes"
Bot: Bot shares scholarship details

User: "Nhi" or "No"
Bot: Theek hai. Agar aapko baad mein scholarship ke baare mein jaana ho toh mai yahin hu. All the best for your future plans.
 (Conversation Ends)

Step 5: Scholarships

Bot: Scholarships available:

- Govt Post-Matric: Rs. 18,000–Rs. 23,000
- Labour Ministry: Rs. 40,000–Rs. 48,000 (for students with Labour Registration)

Bot: Kya aap chahte hain ki mai aapko in scholarships ke eligibility criteria bataun?

User: "Nhi" or "No"
Bot: Theek hai. Scholarship details agar aapko baad me chahiye ho toh aap pooch sakte hain. Have a great day.
 (Conversation Ends)

Step 6: Hostel & Training Facilities

Bot: Hostel facilities include:

- 24/7 water aur electricity
- CCTV security
- On-site warden

Aur hospital training ke dauraan students ko real patients ke saath kaam karna hota hai. Kya aap clinical training locations ke baare me jaana chahenge?

User: "Nhi" or "No"
Bot: Okay. Hostel aur training details agar future me chahiye ho toh mujhe bata sakte hain. Take care.
 (Conversation Ends)

Step 7: Recognition & Accreditation

Bot: College ko Indian Nursing Council (INC), Delhi se recognition mila hai. Kya aap jaana chahenge ki INC recognition ka aapke career par kya impact hoga?

User: "Nhi" or "No"
Bot: Koi baat nahi. Agar future me aapko iske baare me jaana ho toh mai available hu. Good

luck for your plans.
 (Conversation Ends)

Step 8: Total Seats

Bot: Is program me total 60 seats available hain. Kya aap chahenge ki mai aapko admission process ke steps bataun?

User : "Nhi" or "No"
Bot: Theek hai. Jab bhi aap ready ho, mai yahin hu aapki madad ke liye.
(Conversation Ends)

Step 9: Admission Process (If User Interested)

Bot: Admission ke liye:

- Check kijiye ki eligibility criteria fulfill hota hai (Biology, PNT Exam, Age: 17-35 years)
- Application form fill karke required documents submit kijiye
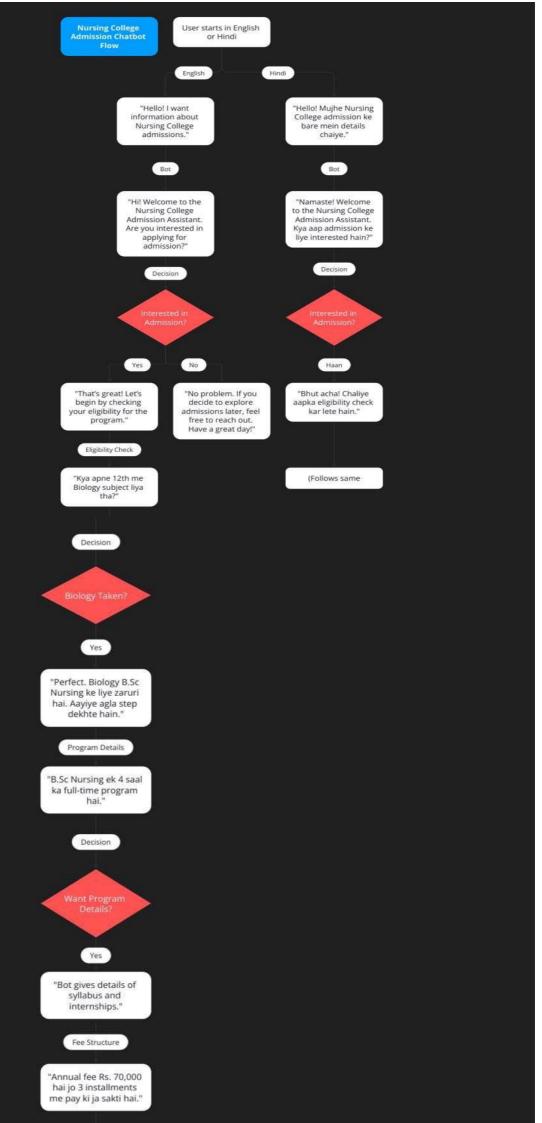- First installment pay karke apni seat confirm kijiye

Bot: Kya aap chahenge ki mai aapko step-by-step guide karun?

User: "Nhi" or "No"
Bot: Theek hai. Jab bhi aap admission process start karna chahein, mai help karne ke liye available hu. Best wishes for your future.
(Conversation Ends)

Flowchart Diagram: -

Nursing College Admission Chatbot Flow

User starts in English or Hindi

English — Hindi

English:
"Hello! I want information about Nursing College admissions."

Bot

"Hi! Welcome to the Nursing College Admission Assistant. Are you interested in applying for admission?"

Decision

Interested in Admission?

Yes — No

"That's great! Let's begin by checking your eligibility for the program."

"No problem. If you decide to explore admissions later, feel free to reach out. Have a great day!"

Eligibility Check

"Kya apne 12th me Biology subject liya tha?"

Decision

Biology Taken?

Yes

"Perfect. Biology B.Sc Nursing ke liye zaruri hai. Aayiye agla step dekhte hain."

Program Details

"B.Sc Nursing ek 4 saal ka full-time program hai."

Decision

Want Program Details?

Yes

"Bot gives details of syllabus and internships."

Fee Structure

"Annual fee Rs. 70,000 hai jo 3 installments me pay ki ja sakti hai."

Hindi:
"Hello! Mujhe Nursing College admission ke bare mein details chaiye."

Bot

"Namaste! Welcome to the Nursing College Admission Assistant. Kya aap admission ke liye interested hain?"

Decision

Interested in Admission?

Haan

"Bhut acha! Chaliye aapka eligibility check kar lete hain."

(Follows same

Decision

Want
Scholarship
Details?

Yes

"Bot shares
scholarship details."

Scholarships

"Scholarships
available: Govt Post-
Matric, Labour
Ministry."

Decision

Want Eligibility
Criteria?

No

"Theek hai.
Scholarship details
agar aapko baad me
chahiye ho toh aap
pooch sakte hain."

Hostel & Training Facilities

"Hostel facilities
include 24/7 water aur
electricity."

Decision

Want Clinical
Training
Locations?

No

"Okay. Hostel aur
training details agar
future me chahiye ho
toh mujhe bata sakte
hain."

Recognition & Accreditation

"College ko Indian
Nursing Council (INC),
Delhi se recognition
mila hai."

Decision

Want Impact of
INC
Recognition?

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                    No

            "Koi baat nahi. Agar
            future me aapko iske
            baare me jaana ho toh
             mai available hu."

                 Total Seats

             "Is program me total
               60 seats available
                    hain."

                   Decision

                 ◆ Want
                 Admission
               Process Steps? ◆

                      No

             "Theek hai. Jab bhi aap
              ready ho, mai yahin
              hu aapki madad ke
                    liye."

               Admission Process

             "Admission ke liye:
              Check eligibility, fill
             form, pay installment."

                   Decision

              ◆ Want Step-by-
                 Step Guide? ◆

                      No

             "Theek hai. Jab bhi aap
              admission process
              start karna chahein,
              mai help karne ke liye
                 available hu."
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Conclusion: -

The conversational flow is designed to help users smoothly understand the B.Sc Nursing admission process in a natural and friendly way. It checks for key eligibility, answers typical queries, and provides structured information clearly. The assistant also respects the user's time and gracefully exits when not interested — ensuring a helpful user experience overall.