
CAPSTONE PROJECT

My College - ChatBot

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OUTLINE

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Problem Statement

- **Challenges in streamlining the college admission process for prospective students.**
- **Need for a user-friendly and efficient system to provide accurate information and guidance.**

Proposed Solution

- 1.**User Interaction:** Engages users in natural language conversations, guiding them through the admission process.
- 2.**Information Collection:** Securely gathers essential user data such as name, contact details, exam scores, and course preferences.
- 3.**Query Handling:** Responds promptly and accurately to inquiries about course details, admission criteria, application status, and general college information.
- 4.**User Guidance:** Offers step-by-step assistance on completing applications, submission deadlines, and required documentation.
- 5.**Feedback Mechanism:** Incorporates user feedback to continuously improve response accuracy and user satisfaction.

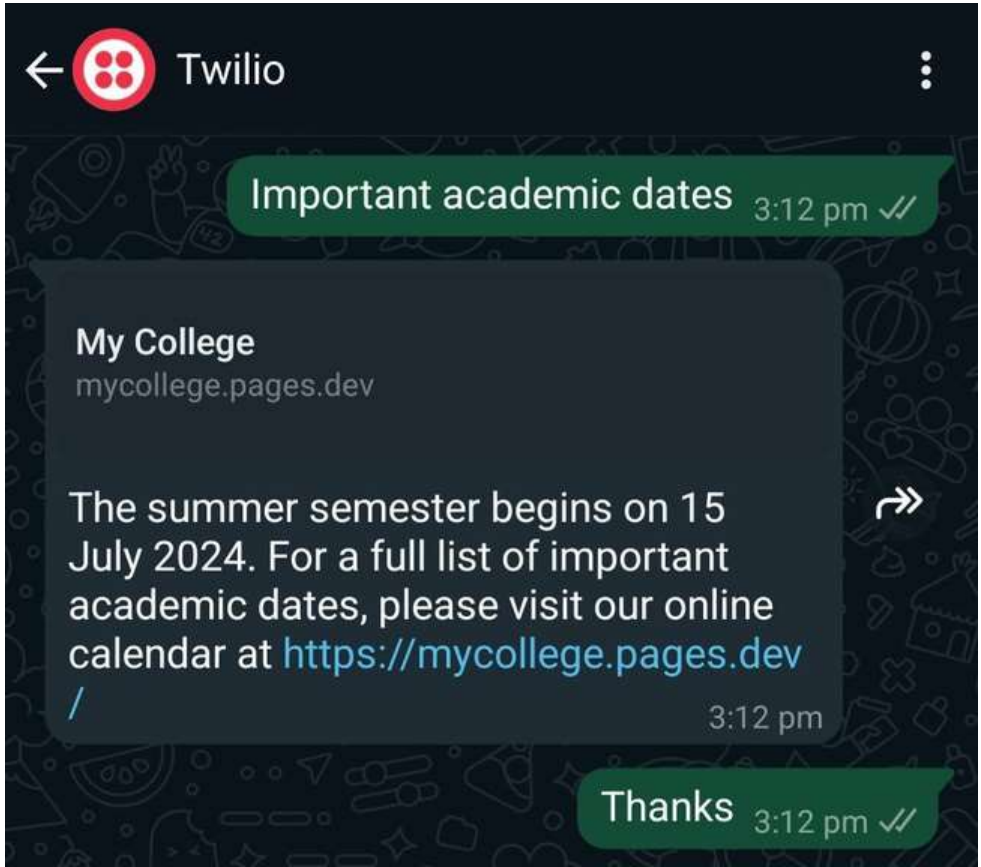
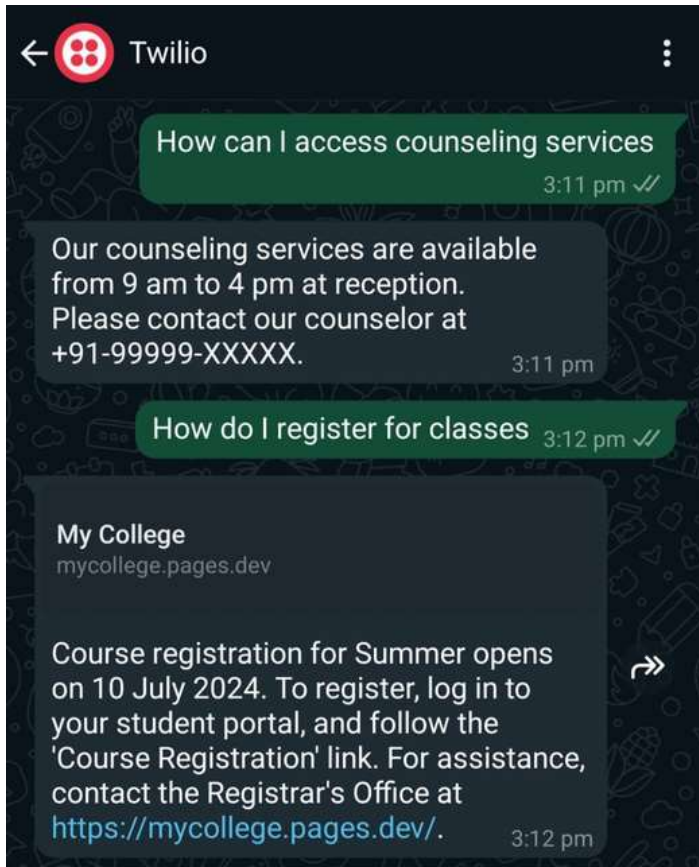
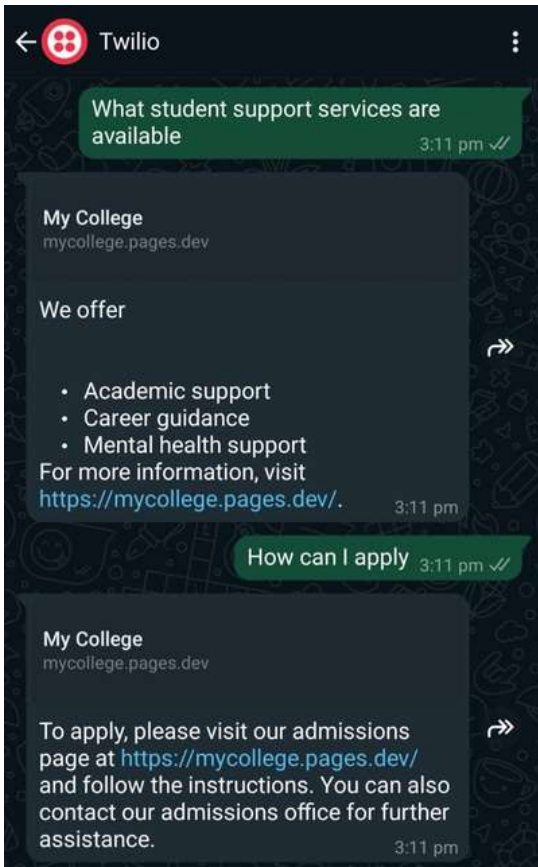
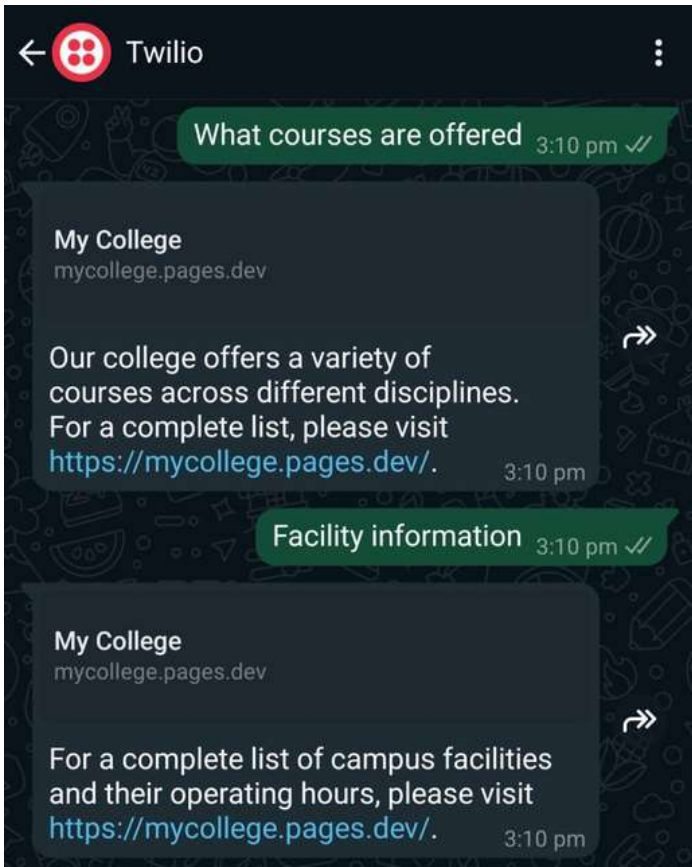
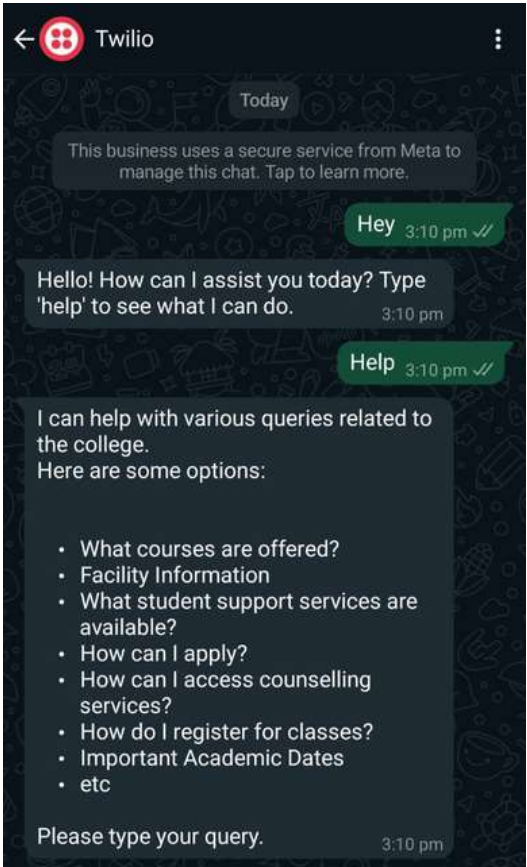
System Approach

- **Technology Used:** IBM Watson Assistant for natural language processing and dialog management.
- **System Requirements:** Compatible with modern web browsers and mobile devices.

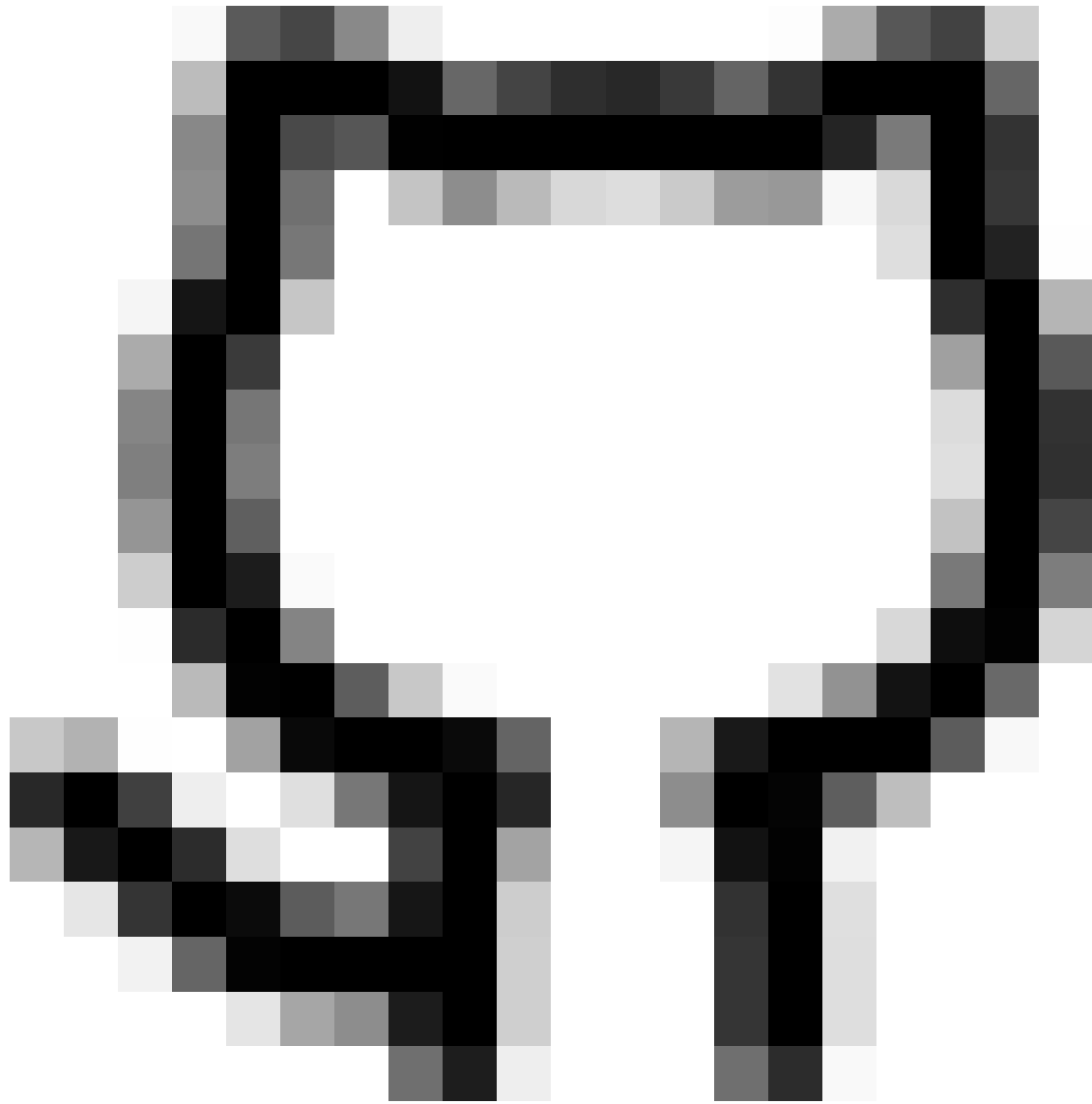
Result

- Developed a college admission chatbot aimed at simplifying and enhancing the application process for prospective students.
- Facilitates intuitive and efficient interaction through natural language processing capabilities.
- Ensures secure and confidential handling of user data throughout the application journey.
- Enhances user experience by providing timely and accurate information tailored to individual queries.
- Feedback mechanism enables ongoing refinement of chatbot responses based on user interactions.

Result



Project Link



<https://github.com/Vaishu46/AICTE-Edunet-IBM-Internship.git>

Conclusion

- The college admission chatbot represents a significant advancement in improving accessibility and user experience in the admission process.
- By leveraging AI-powered natural language processing, it effectively addresses the informational needs of prospective students.
- Offers a scalable solution to accommodate future enhancements and adapt to evolving user requirements.
- Contributes to a streamlined and efficient admission process that benefits both applicants and the institution.

Future scope

- **Personalized Assistance:** Implement machine learning algorithms to offer personalized recommendations and adaptive guidance.
- **Multilingual Support:** Integrate language translation capabilities to cater to diverse applicant demographics.
- **Enhanced Features:** Incorporate virtual campus tours, interactive FAQs, and real-time application status updates.

References

- IBM watsonx Assistant tutorial

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THANK YOU