Project Abstract: Educational Assessment and Feedback Chatbot

This project aims to develop an intelligent chatbot designed to assess student performance and provide personalized feedback. The chatbot uses automated assessments through multiple-choice, short answers, and free-text questions to evaluate the student's knowledge. It leverages Natural Language Processing (NLP) to analyse free-text responses, instantly grading answers and offering constructive feedback. Based on the student's performance, the chatbot delivers tailored suggestions, identifies areas for improvement, and recommends additional learning resources. Progress tracking ensures continuous development, while the interactive and adaptive nature of the chatbot helps students engage effectively with their learning journey.

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