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Thank You
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ABSTRACT

The increasing academic workload and diverse learning styles of students often make it challenging to manage studies effectively. Traditional planners fail to provide adaptive guidance that aligns with individual learning needs. To address this gap, **Syllaby**, an AI-powered study planner, has been developed as a smart solution to enhance time management, personalized learning, and productivity for students.

Syllaby leverages artificial intelligence and machine learning to generate **personalized study schedules**, predict academic progress, and provide **adaptive pacing** based on user performance. The system integrates features such as **smart notes, flashcards, chatbot-based tutoring, streak tracking, progress dashboards, and calendar synchronization**, offering a holistic platform for academic planning.

The backend of the system is implemented using **Python and FastAPI**, with AI/ML models powering personalization. The frontend is designed with **React (Vite)** to ensure a responsive and user-friendly interface, while **PostgreSQL** serves as the primary database for storing user information and study plans. Authentication and user management are implemented using **JWT** for secure login and registration.

Through automation, personalization, and data-driven insights, Syllaby provides students with a **structured yet flexible learning environment**, making it a valuable tool for improving focus, productivity, and academic performance.