**ABSTRACT**

**AI-BASED PERSONALIZED STUDY PLANNER**

**Abstract**

This project proposes an AI-based personalized study planner designed to optimize students' learning schedules by tailoring study plans to individual subject difficulties, exam dates, and available study time. Utilizing a robust technology stack—HTML, CSS, and JavaScript for an intuitive frontend; Flask for scalable backend management; a rule-based and ML-driven recommendation model for schedule generation—the platform aims to enhance study efficiency and academic performance. Key features include an AI-generated study scheduler that adapts based on subject difficulty and importance, a real-time AI-powered chatbot to address student queries, and productivity tracking to monitor study habits. By combining lightweight machine learning techniques with interactive web design, this project delivers a practical tool that empowers students to manage their time effectively and achieve their educational goals.

**Tech Stack**

**Frontend :** HTML, CSS, JavaScript

**Backend :** Flask

**AI :**ML-based recommendation model for schedule optimization

**AI-Chatbot :**API for explanations

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