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(57) Abstract :
The present invention relates to a personalized online learning platform that addresses challenges in online education, such as information overload and lack of guidance. The platform aggregates educational content from diverse sources and uses machine learning algorithms to provide tailored recommendations based on user preferences, goals, and progress. Key features include progress tracking, gamified engagement mechanisms, and a community interaction module for peer collaboration. The platform also incorporates natural language processing for summarizing educational materials, mood prediction algorithms for personalized mental health recommendations, and AI-powered chatbots for real-time assistance. A certification system validates user achievements, while scalability ensures support for diverse learning domains. This invention simplifies resource discovery, enhances engagement, and improves learning outcomes, empowering users to efficiently achieve their educational objectives.

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