

NeoLearn – AI-Powered Learning Platform

Problem Statement

Current educational platforms are fragmented, require multiple apps, and lack AI-driven support, causing inefficiency and poor student engagement.

Project Description

- Brief Description of the Project:** NeoLearn is an AI-powered learning and classroom management platform developed using Flask and MySQL. The system is designed to overcome the limitations of traditional and fragmented educational platforms by providing a single unified solution for administrators, teachers, and students.

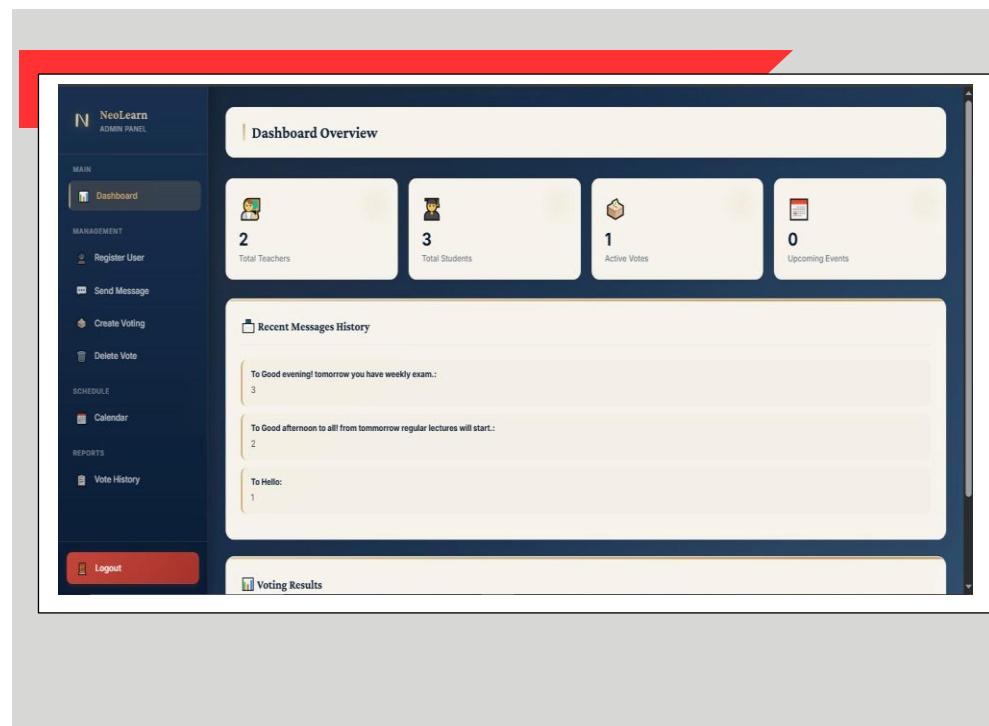
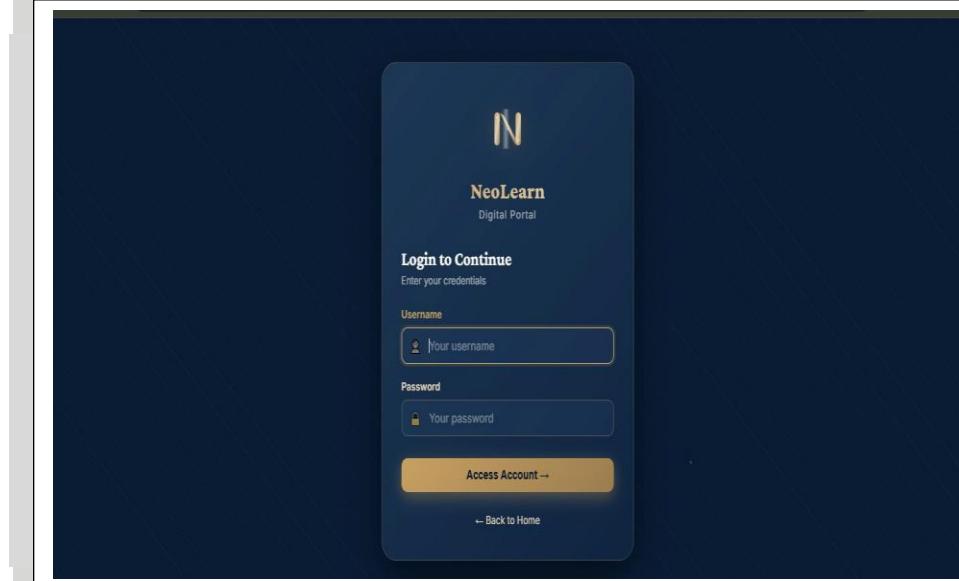
The platform offers role-based dashboards with integrated features such as quiz management, study material sharing, messaging, live online classes, voting systems, and AI-based doubt solving. An intelligent AI chatbot powered by LLaMA 3 assists students by providing instant academic support.

NeoLearn also includes advanced features like face detection-based attendance, ensuring transparency and efficiency in classroom activities.

Overall, NeoLearn aims to modernize digital education by improving engagement, automating routine academic tasks, and enhancing communication between all stakeholders in the education system.

- Scope:** NeoLearn provides a unified AI-based platform for admin, teachers, and students to manage quizzes, study materials, messaging, live classes, voting, and attendance. It simplifies classroom management and improves student engagement through automation and AI support.
- Future Scope of the Project:** The system can be enhanced with advanced AI for personalized learning, cloud deployment for large-scale use, mobile applications, and detailed analytics. Future versions can also include online exams, plagiarism detection, and multilingual support.

PROJECT PHOTO



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