EDUFLEX
An Adaptive Learning Bridge

Iteration Nation

TEAM MEMBERS

- ➢ A V N RIYESH
- ➢ MEETURI AJAY KUMAR
- ➢ VAKA KUMARA SWAMY
- ➢ BANDARU SRAVAN KUMAR

AGENDA

- ➤ PROBLEM STATEMENT
- ➤ STAKEHOLDERS
- ➤ PRESENT SCENARIO
- ➤ STATISTICS
- ➤ PROPOSED SOLUTION
- ➤ FEATURES
- ➤ NOVELTY
- ➤ TECHNOLOGIES

PROBLEM STATEMENT

Design an adaptive learning platform that recognizes and addresses individual learning needs. Content adjusts to each student's pace, challenges their strengths, and provides targeted support for weaknesses.

STAKEHOLDERS

❖ Students

❖ Teachers/Educators

❖ Parents/Guardians

❖ Educational Administrators

❖ Curriculum Developers

❖ Researchers/Educational Psychologists

❖ Technology Developers/Engineers

PRESENT SCENARIO

❖ Traditional education models struggle to meet the diverse learning needs of students. There is a rising demand for adaptive learning platforms that can personalize education, catering to individual strengths, weaknesses, and pace of learning.

❖ With traditional education methods facing limitations in accommodating diverse learning needs, there's a growing demand for adaptive learning platforms. These platforms offer personalized learning experiences, adjusting content and pace to match individual students' strengths, weaknesses, and learning styles

STATISTICS

According to a 2021 survey, 73.01% of university students in India participate in online learning most of the time. In 2022, enrollment for online education increased by 170%, with distance learning accounting for 42%. In 2023, the number of students who want to enroll in online courses increased by 27% compared to 2021, and awareness of online courses increased by 7%.

But According to a 2021 survey, 73.01% of university students in India participate in online learning most of the time. However, 33.22% of students are not satisfied with online learning, and 21.45% find online classes stressful.

Sources:
- Times of India.com
- Shiksha.com
- Business Standard.com

PROPOSED SOLUTION

- EduFlex revolutionizes learning with personalized study plans tailored to individual goals and schedules. Access curated video tutorials aligned with your skill level, enjoy a distraction-free environment with Pomodoro Technique integration, and engage in real-time chat support for comprehensive skill testing and assessment, ensuring an effective and engaging learning experience.

- [Video Link](#)

FEATURES

➢ **Personalized Study Plans** - Tailored study plans for every learner, from beginner to advanced, based on individual schedules and goals.

➢ **Curated Video Tutorials** - Access curated video tutorials aligned with your study plan and skill level for an engaging learning experience.

➢ **Focused Learning Environment** - Stay focused with a distraction-free environment that blocks irrelevant tabs during study sessions.

FEATURES (NOVELTY)

➤ **Pomodoro Technique Integration -** Increase productivity with Pomodoro Technique integration, optimizing learning intervals for better retention.

➤ **Interactive Chat Support -** Engage in real-time conversations with our intelligent chatbot for instant clarification, guidance, and deeper understanding while watching video tutorials on EduFlex.

➤ **Skill Testing and Assessment -** Receive real-time support through interactive chat while watching video tutorials and assess comprehension with skill testing features.

TECHNOLOGIES

➢ GENERATIVE AI

➢ LANG CHAIN FRAMEWORK

➢ APIs

➢ HTML, JAVASCRIPT, CSS

➢ STREAMLIT FRAMEWORK

➢ NATURAL LANGUAGE PROCESSING

Video Link

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