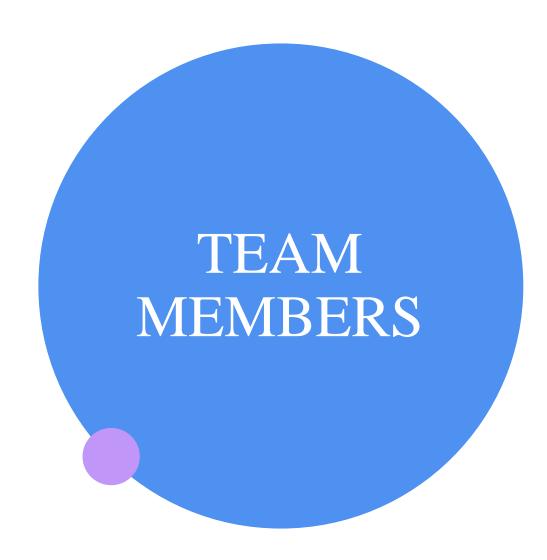


Postodoro Tochnistaje

EDUFLEX An Adaptive Learning Bridge

Iteration Nation



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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

TEAM - ITERATION NATION