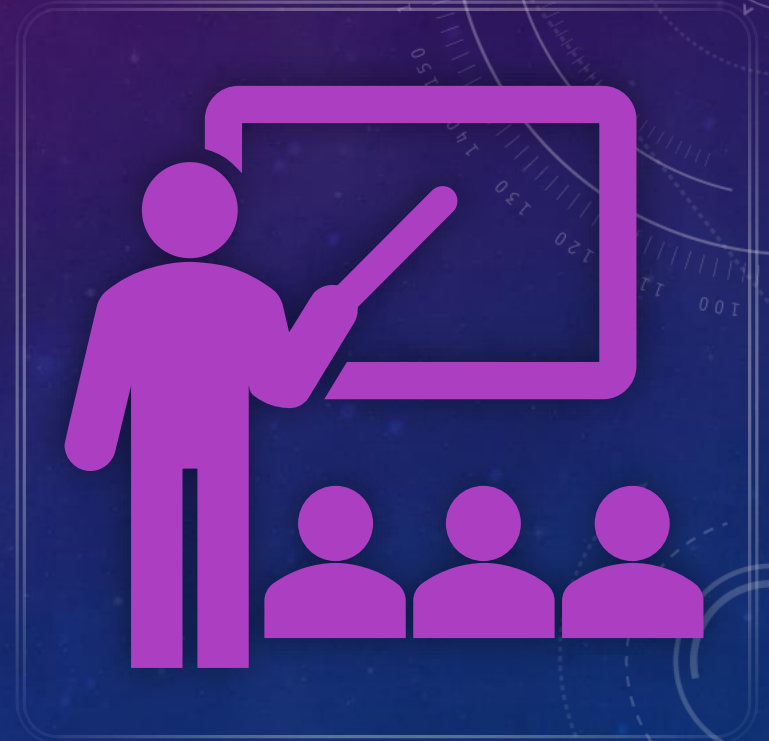# INNOQUEST – EMPOWERING DEVS FOR FUTURE! 2024

TEAM ECO ECO:

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INTRODUCTION :

EKLAVYA is a transformative platform designed to bridge the gap between students in remote locations and dedicated mentors. Students can easily raise queries on topics spanning various subjects and classes. Teachers, upon accepting these queries, offer personalized assistance by providing a meeting time and contact information to address the student's concerns effectively.

What makes EKLAVYA truly inclusive is that anyone with expertise can become a teacher, enabling passionate individuals to share their knowledge and mentor students in need. This unique feature allows the platform to harness a wide pool of talent and ensure diverse learning opportunities.

This app empowers students who lack access to regular mentorship or educational guidance, ensuring they receive tailored support to overcome learning barriers. By leveraging technology, EKLAVYA aims to democratize education, fostering an inclusive ecosystem that thrives on accessibility and personalized guidance, aligning perfectly with InnoQuest 2024's mission of solving real-world challenges through innovation.

EDUCATIONAL PROBLEM IN INDIA:

Teacher Shortage:
Over 1.5 million schools in India face a shortage of trained teachers, especially in rural areas, limiting access to quality education.

High Dropout Rates:
According to the UNESCO 2022 report, 27% of students in rural India drop out before completing secondary education due to a lack of guidance and motivation.

Need for Personalized Mentorship:
Nearly 70% of Indian students report needing personalized mentorship, which is often unavailable, particularly in underserved regions.

Overcrowded Classrooms:
The teacher-student ratio in many regions falls below recommended levels, resulting in overcrowded classrooms and limited individual attention for students.

Impact on Academic Growth:
The lack of mentorship hampers students' academic progress, confidence, and future career prospects.
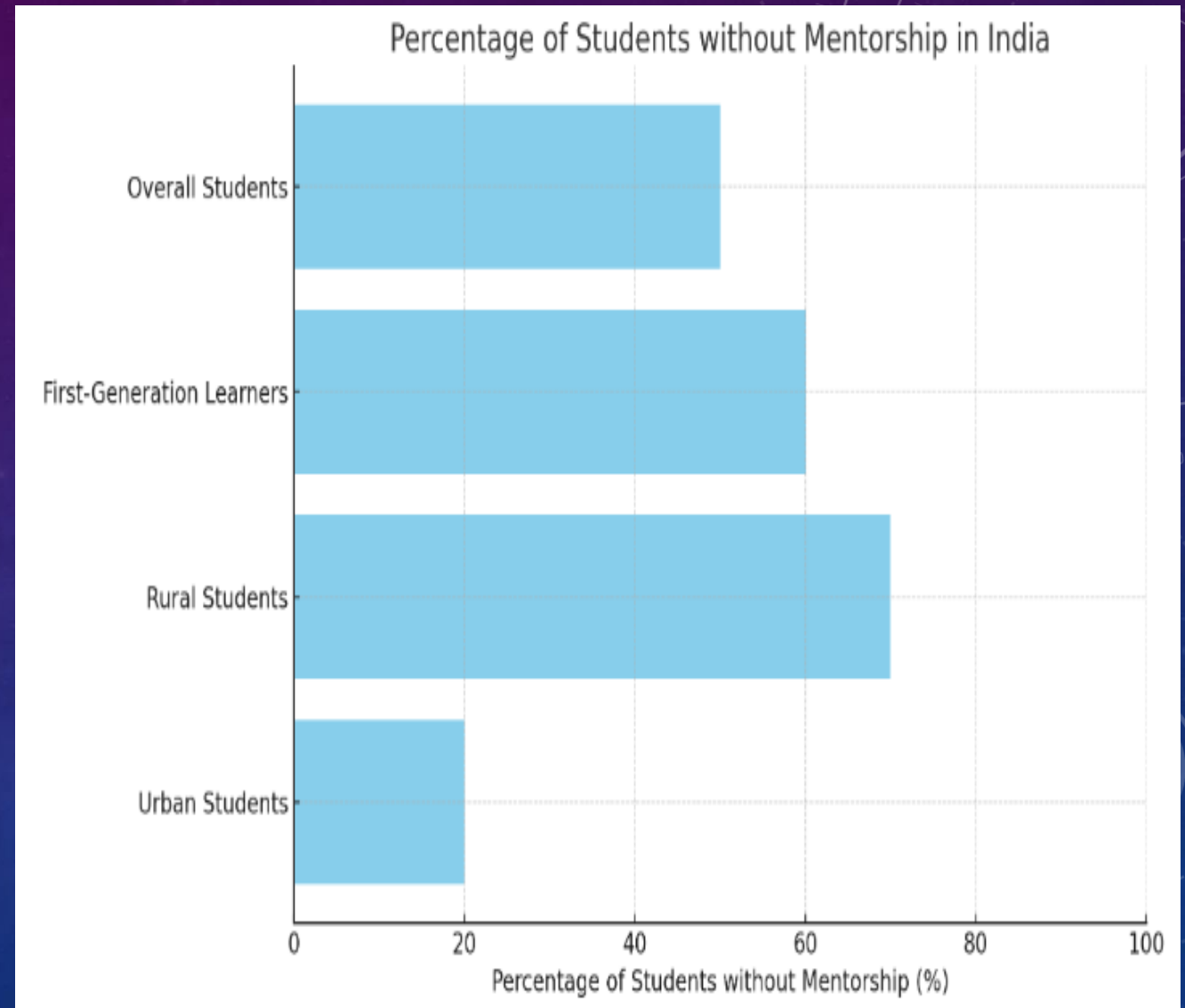
Challenges for First-Generation Learners:
First-generation learners face additional hurdles in accessing proper guidance, further widening the gap in educational opportunities.

Need for Scalable Solutions:
Addressing these challenges requires innovative and scalable solutions to provide students with personalized mentorship and support to help them succeed academically.

THE GRAPH ILLUSTRATES THE PERCENTAGE OF STUDENTS IN DIFFERENT CATEGORIES WHO LACK MENTORSHIP IN THEIR EDUCATION IN INDIA. RURAL STUDENTS FACE THE HIGHEST LACK OF MENTORSHIP, ABOUT 70% REPORTING A NEED FOR PERSONALIZED GUIDANCE. FIRST-GENERATION LEARNERS ALSO EXPERIENCE SIGNIFICANT GAPS IN MENTORSHIP (AROUND 60%), WHILE URBAN STUDENTS HAVE RELATIVELY BETTER ACCESS, THOUGH STILL 20% REPORT NOT HAVING MENTORSHIP. THIS HIGHLIGHTS THE NEED FOR SCALABLE SOLUTIONS TO PROVIDE ALL STUDENTS WITH THE GUIDANCE AND SUPPORT THEY REQUIRE TO SUCCEED ACADEMICALLY

Percentage of Students without Mentorship in India

SOLUTION:

Bridging the Mentorship Gap:
EKLAVYA provides a transparent, accessible, and personalized platform to address the lack of mentorship in India's education system.

Student Query Resolution:
The app allows students to raise queries on any subject and receive tailored solutions from teachers, fostering a one-on-one learning environment.

Rating-Based Accountability:
Students can rate the quality of solutions provided by teachers, ensuring accountability and encouraging educators to deliver high-quality support.

Teacher Leaderboard:
A leaderboard highlights top-rated teachers, enabling students to choose mentors based on proven expertise and ratings.

Connecting Remote Areas:
EKLAVYA bridges the urban-rural educational divide by connecting students in underserved areas with skilled educators nationwide, democratizing access to quality mentorship.

Merit-Based System:
The platform promotes a meritocratic environment, rewarding excellence among teachers and motivating them to continuously improve.

Transforming Education Outcomes:
EKLAVYA directly addresses challenges such as teacher shortages, lack of personalized attention, and financial barriers, empowering students and improving educational outcomes.

KEY FEATURES OF EKLAVYA:

User Portals: Student Portal: Request submission with topic, region, and language preferences.

Teacher Portal: View, filter, and accept student requests.

Matching Algorithm: Match students and teachers based on region, language, and availability.

Notifications: Confirmation notifications sent to students when requests are accepted.

Feedback System: Post-teaching feedback exchange between students and teachers. Teacher feedback affects a global leaderboard.

Incentive Mechanism: Students can request top-rated teachers nearby for a small fee. Encourages teacher participation while maintaining affordability.

Global Leaderboard: Ranks teachers based on feedback scores. Displays top 10 teachers in the student's region.

Local Discovery: Students can view top-rated teachers near their location. Inclusive Design Multilingual support for users from diverse linguistic backgrounds. Focus on accessibility for underrepresented communities.

Scalability Modular design to support additional features, such as video lessons or group classes. Impact Metrics Measure educational impact via usage analytics and feedback ratings.

FUTURE VISION:

- **Comprehensive Learning Experience:**
EKLAVYA aims to transform the Indian education system by expanding its features to provide a holistic and inclusive learning platform.
- **Dedicated Platform for Video Solutions:**
- Students will have access to detailed, step-by-step video explanations for their queries.
- Covers all subjects and grades, ensuring high-quality resources are available to everyone, even in remote areas.
- **Integration of AI-Powered Chatbot:**
- The chatbot will provide instant answers to common questions.
- Guides students to relevant solutions and offers personalized recommendations, making education interactive and accessible.
- **Seamless Payment System:**
- Enables students to fairly compensate teachers for their time and expertise.
- Ensures platform sustainability while creating earning opportunities for educators.
- **Commitment to Quality Education:**
- Focuses on delivering quality education to every student, regardless of geographic or economic challenges.
- Aims to bridge the educational divide, empowering students to succeed.
- **Technology-Driven and Human-Centric Ecosystem:**
- Combines technology with human expertise to create an impactful, inclusive, and accessible education system.
- Provides tools, resources, and mentorship for students across India to thrive academically and professionally.