

EDUC-A-THON 2.0

Presented by Team SAMARTH, Techno Main Salt Lake

Problem Statements

1. Simplifying Academic and Exam Literacy with Multilingual AI

Design an **AI-powered multilingual platform** that makes **complex academic rules, exam procedures, and scholarship information** are **easy** to understand for students.

Your solution should:

- Simplify **academic policies, exam guidelines, and scholarship rules** into **clear, conversational language**.
- Use **chatbots or voicebots** to answer student queries in **multiple Indian languages**.
- Offer **guided pathways** for applying to exams, scholarships, or educational programs.
- Integrate **OCR or document-reading tools** for easy understanding of forms, applications, and official documents.

Goal: Make academic and exam-related literacy **accessible, engaging, and inclusive**, helping students navigate education systems efficiently and confidently.

2. Developing a Hyper-Personalized and Adaptive Learning Experience

Build an AI-driven adaptive learning platform that personalizes study material and preparation plans for **students, competitive exam aspirants (like UPSC, GATE, CAT, etc)**.

Your solution should:

- Analyze learner performance and engagement to **customize study plans and content for competitive exams**.
- Use machine learning to **adjust difficulty and learning pace automatically**.
- Provide smart dashboards for **educators or mentors to track student progress and UPSC readiness**.



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- Ensure a **cloud-native, scalable platform** for seamless access and analytics.

Goal: Redefine digital learning by enabling **personalized and measurable growth**, helping students excel in **education and competitive exams like UPSC, GATE, CAT, etc..**

3. Fostering and Managing Effective Student Project Collaboration

Build a **web-based platform** that helps students **find collaborators and manage projects efficiently**.

Your solution should:

- Enable **skill-based matchmaking** for forming project teams.
- Include **real-time task boards** and **progress tracking tools**.
- Provide **analytics dashboards** to monitor milestones and performance.
- Integrate a **smart peer-review system** to enhance teamwork and learning.

Goal: Create a unified digital space that encourages collaboration, innovation, and long-term partnerships among students.

4. Ensuring Secure and Instantly Verifiable Academic Credentials.

Develop a **blockchain-based platform** for the **secure issuance and instant verification of academic credentials**, ideal for **students applying for universities abroad**.

Your solution should:

- Enable institutions to **mint credentials as NFTs or soulbound tokens**.



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- Allow students to **store and manage credentials in digital wallets**, including **transcripts and certificates for foreign applications**.
- Ensure **privacy, security, and global interoperability** for **international verification**.

Goal: Build a trusted, decentralized ecosystem that enhances **transparency, academic mobility, and lifelong credential ownership**, supporting students pursuing **higher education abroad**.

5. Open Innovation Track

Explore and **redefine the future of education** through original, scalable, and impactful solutions.

Your solution may:

- Address **pressing challenges** in learning, assessment, or student support.
- **Reimagine existing systems** or introduce **entirely new concepts**.
- Focus on creating **innovations that transform** the education and examination ecosystem.

Goal: Push the boundaries of learning by pioneering ideas that make education more adaptive, inclusive, and future-ready.