



AI Mentor: Smart Companion for Every Student

Transforming Education with AI

Hackathon: Samadhan 2.0

Team: Syntax Solvers

Members: Vipin Tomar, Jayesh Thakur, Ambar Gupta

“Why Traditional Exam Prep Fails”



Overload of Resources



Lack of Personalization



Language Barriers



Low Motivation

“Reimagining Learning with AI”

Big statement with minimal bullets:

- Personalized.
- Accessible.
- Collaborative.
- Human-Centered.

The Solution: AI Mentor

- Adaptive learning paths
- Bilingual support
- Instant doubt solving
- Progress insights
- Peer learning rooms



How It Works (Live Demo Workflow)



Student



Asks



AI Mentor responds (bilingual, instant feedback)



Tracks progress



Connects with peers

Tech Stack & Architecture



Core Requirements (Rule Checklist)

- ✓ Bilingual Voice/Text Support
- ✓ Multimedia Inputs (Text, Audio, PDFs)
- ✓ Group Collaboration
- ✓ Real-time Progress Tracking
- ✓ AI-first Integration

“What’s Next”

- Expanding to competitive exams (GATE, CDS, UPSC).
- Advanced AI analytics & emotional intelligence tutor.
- Integration with schools/universities.

“AI Mentor = Education for
Everyone, Everywhere.”



Thank You!

Presented by Team Syntax Solvers

Team Members: Vipin Tomar, Jayesh Thakur, Ambar Gupta