

About the Organization

Udhyam Learning Foundation envisions a caring world where people fearlessly pursue their potential. We are addressing India's opportunity crisis by building agency and entrepreneurial mindsets at scale. Our mission is to **Make Bharat Entrepreneurial** — empowering young people to define and achieve their own goals. To do this, we design and implement a **4-year Entrepreneurial Mindset Curriculum (EMC)** in partnership with state governments, reaching students and teachers across grades 9–12 in government schools across 12 Indian states.

Problem Statement (use case specific)

We address India's youth opportunity crisis through Udhyam's **Entrepreneurial Mindset Curriculum (EMC)**, which helps students learn by doing and build real ventures.

At scale — **3.9 million students across 12 states** so far — we face a mentorship bottleneck: teachers can't provide timely, personalised, and domain-specific feedback, leading to incomplete projects.

To bridge this gap, we're using AI to deliver equitable, 24/7, context-aware support—evaluating ideas, prototypes, and pitches; giving rubric-based feedback; and automating routine tasks so teachers can focus on meaningful coaching.

In short, we use AI to make high-quality mentorship accessible to every student and teacher.

AI Solution Description

For students, it acts as a 24/7 mentor—sending timely nudges and resources, answering project queries in multiple languages, evaluating submissions (ideas, prototypes, pitches), and giving personalised feedback. This builds a continuous build–learn–refine loop that strengthens agency and skills.

For teachers, it's an AI co-pilot—offering timely guidance and resources, resolving curriculum queries, automating reviews, and tracking student progress. This helps them provide the right support more effectively.

Tools and techniques Used

- WhatsApp orchestration via Glific by Tech4Dev
- PWA (Progressive Web App) built for additional support through chatbot
- RAG Knowledge system (Vector Embeddings through MongoDB)
- GCP Cloud run APIs (in python), CI/CD pipelines built using GitHub
- BigQuery (primary), MongoDB (secondary) for data logging
- Observability and RAGAS eval via Langfuse
- Looker Studio for Visualizations and Data Analysis

Key Features of tech solution

- Query screening, suggestive queries feature for addressing unclear inputs, multilingual support (5 languages), dashboards for impact evaluation.
- Submissions (text, image, video) validation, assessment and feedback generation

Impact (Qualitative and Quantitative)

- **Current user base:** Of 17 lakh students in the program this year, the **AI Mentor** has been rolled out to **8 lakhs students** and **30,000 teachers** across **6 states** (programs launched in Aug '25).
- **Active users:** **3.5 lakh students** and **25,500 teachers**.

Impact of solution:

- **Early engagement:** ~85% of teams have begun milestone submissions (vs 76% last year), marking a **9% rise**, with a projected **15% increase** by December-end.
- **Curriculum adherence:** 97% of teams submitted two project ideas (vs 51% last year), showing a **~100% improvement**.
- **Iterative learning:** ~10% of teams are revising and resubmitting work based on **AI Mentor feedback**, even after valid initial submissions.
- **Quality improvement:** Overall submission quality is expected to **improve by 50%** over last year. Quality assessments to start this month.

Additional documents

Presentation provided earlier: [link](#) | Solution Demo Videos: [link](#) | User Testimonials- [link](#)

Plan for roll-out and sustainability

- **Roll-out:** Implemented at scale across 6 states after 3 pilot programs last year.
- **Current focus:** Enhancing usability and expanding to all state programs.
- **Development Approach:** Build the most effective solution, evaluate usability and impact, and use it for performance benchmarking and cost optimisation.
- **Tech exploration for sustainability:** Testing smaller and open-source LLMs and developing an **in-house SLM** for specific use-cases.
- **Support:** Backed by the AI for Global Development Accelerator (AI4GD) program by The Agency Fund and OpenAI.