

WEST BENGAL · INDIA

Last mile learning, Powered by AI

Enabling Teachers to deliver play-based learning to children in the remotest classrooms.

Antahin Abha Foundation · Kolkata, India

Antahin Abha Foundation (Abha Foundation) is a Kolkata-based non-profit bringing **AI-enabled, activity-based early childhood education** to low-resource classrooms in remote locations of West Bengal, India. Its NRich ECCE (Early Childhood Care & Education) program, backed by research and designed for low-resource classrooms, supports **over 10,000 children aged 3 to 10** through teacher training, contextual teaching-learning materials and AI-powered tools, including the WhatsApp-based **AskAbha** chatbot.

Our play-based pedagogy is carefully aligned with government-issued textbooks and competency-based learning, so it fits the public school system where the teachers already work in. Our work contributes to the UN Sustainable Development Goals for **Quality Education (SDG 4)** and **Reduced Inequalities (SDG 10)**.

250schools & early-childhood
centres**300**

teachers trained

10,000+

children aged 3–10

10

months to reach this scale

94¢

per child per month today

Why these numbers matter: *the reach may be modest by global standards, but it was built from the ground up in less than a year — in some of the most under-resourced classrooms in the region, with an AI-first model designed to scale.*

KEY FEATURES

Four things that set Abha apart

01 Generative AI content engine

AbhaStudio uses large language, image, voice (TTS) and video models to generate **Digital TLMs** — an instruction PDF and a demonstration video - in the local language (Bangla). These TLMs help deliver play-based classroom activities aligned with textbook lessons and curriculum goals.

02 Last-mile delivery on WhatsApp

AskAbha is a 24/7 WhatsApp chatbot built for basic smartphones and low-connectivity areas. A teacher retrieves training material as well as Digital TLMs by voice note, text or activity ID — no app download or classroom visit needed.

03 Low cost, built to scale

Today the program costs **94¢ per child per month**. Once AskAbha is fully rolled out, the projected cost falls **under 10¢ per child per month**. AI-generated content and WhatsApp delivery let the program reach more teachers without a matching rise in cost.

04 Built in collaboration with the public system

Activities follow the government textbooks that teachers already use and competency-based learning. **AbhaConnect** turns field data into dashboards and impact reports, so the government partners **can see adoption and learning progress**.

“On the day of the NRich ECCE rollout at Ferryghat SSK, there were just six children in the class... In less than a month, the class strength has gone up from 6 to 35.” — Mohanlal Jana, Field Facilitator, community primary school (SSK), West Bengal



Member · Global AI for Learning Alliance (GAILA)

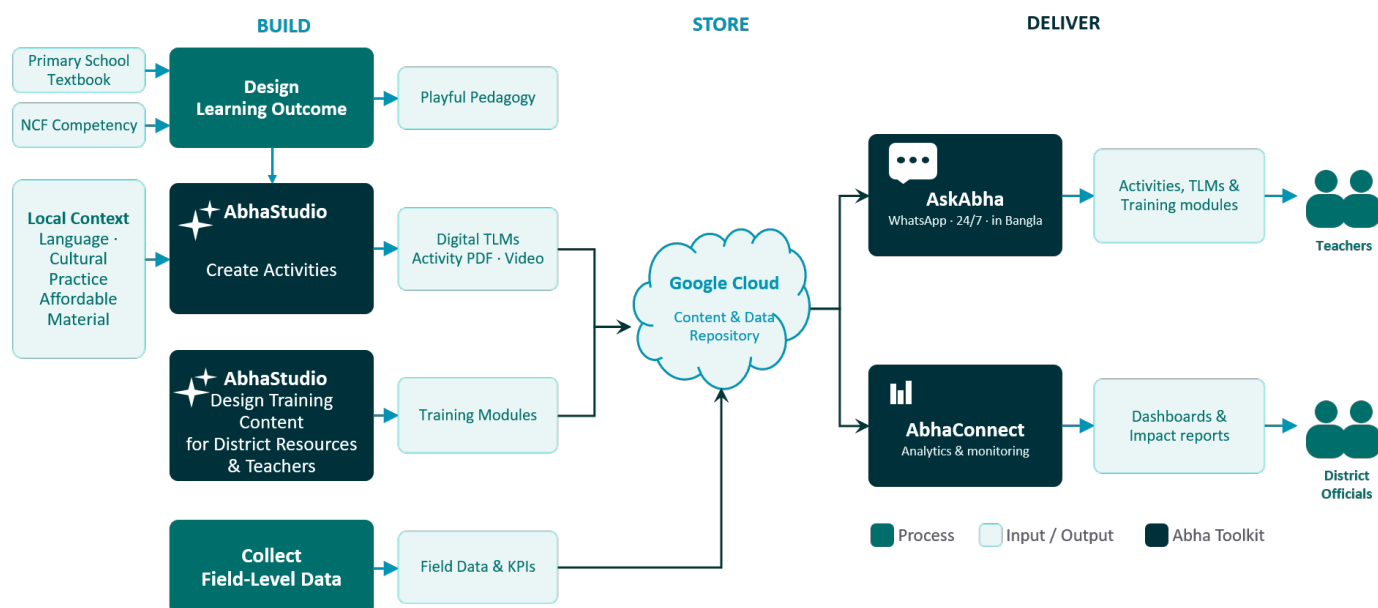
Launched in February 2026, GAILA accelerates responsible and inclusive AI-enabled learning in low- and middle-income countries. As a member, Abha draws on the alliance’s global platform — its network of technology and AI partners, shared data and research results — to build a practical, cost-effective ecosystem of AI solutions that improve learning outcomes in West Bengal.

The Abha Toolkit: build, deliver, measure

A low-cost, integrated set of AI-enabled tools covers the full cycle — from designing content, to putting it in a teacher's hand, to measuring the ground level impact in the classroom.

BUILD AbhaStudio An AI content engine that creates locally relevant, play-based activities, digital teaching-learning materials and teacher training content. <i>Every activity and training module is reviewed by Abha subject experts before release.</i>	DELIVER AskAbha A WhatsApp chatbot that gives teachers 24/7 access to trusted content and guidance in Bengali, on basic smartphones. <i>Ask by voice note, text or activity ID; receive the activity PDF and a bite-size demonstration video.</i>	MEASURE AbhaConnect Captures ground-level data and turns it into clear reports and implementation insights. <i>Dashboards and periodic impact reports for government and district officials.</i>
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How the toolkit works



End-to-end view of the NRich ECCE program: content is built with AI, stored in the cloud, delivered to teachers on WhatsApp, and measured through field data.

Our AI stack

One end-to-end pipeline generates each activity's instructions in PDF and video format:

Language & image	OpenAI (Luna 5.6, GPT-image-2.5-flare) · Claude (Sonnet 5)
Voice	Bodhan (text-to-speech by AI4Bharat)
Video	Remotion (video generation)
Output	Digital TLMs as PDF and short video

Cost per child, per month

A more than 9-fold reduction in cost per child as AI-enabled delivery (AbhaStudio & AskAbha) is fully rolled out.

TODAY 94¢ per child / month	→	PROJECTED < 10¢ once AskAbha is fully rolled out
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Let's connect.

We would love to exchange ideas with technology partners, researchers, funders and fellow implementers working on AI for foundational learning in low-resource settings.

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