



**Sampurna Shiksha Kavach Program,
Filo Edtech Pvt. Ltd.**

The **Sampurna Shiksha Kavach** Program is a ground-breaking tech-driven learning acceleration initiative, addressing the urgent need to bridge educational gaps among students in rural India. It provides 24x7 access to live virtual classes with 60,000 teachers, focusing on learning acceleration rather than holding students back for pre-existing gaps. Traditional remediation programs have proven ineffective in addressing the non-linear learning disparities that have arisen, particularly during the COVID-19 pandemic. This program, introduced in the Dumka district in collaboration with **FILO**, utilizes AI technology to identify and address accumulated learning gaps. It is a transformative effort to empower students by ensuring they are ready for grade-level learning, regardless of their past challenges. The project's rationale emerges from alarming educational disparities, subject-specific teacher shortages, and socio-economic complexities in the district. Baseline and needs assessment studies were conducted to understand the unique challenges students face, including foundational learning gaps and non-linear learning disparities within classrooms. The initiative seeks to uplift

educational outcomes in a region where over 63% of secondary-grade students struggle with basic math skills and where subject-specific teachers are in short supply, especially in the science stream. It also takes into account the socio-economic context, where a significant proportion of students hail from rural areas, have limited family income, and often represent marginalized categories. By addressing these pressing issues through tech-driven learning acceleration, the program aims to empower students and revolutionize education in Dumka district and potentially beyond.

Innovative technologies used:

Filo has revolutionized education with its instant-teaching platform, serving millions of students globally. Their innovation lies in AI algorithms, awarded patents, and data-driven models that match students with suitable teachers in real-time, all while assessing pedagogical effectiveness through live video analysis. Filo's approach fosters inclusive learning, bridging diverse backgrounds and communication

challenges. This student-centred approach, known as Learning Acceleration, has outperformed traditional curriculum-focused methods, especially for disadvantaged students. Through the Sampurna Shiksha Kavach program, Filo brings 24x7 access to live teachers and employs AI to identify and address persistent learning gaps. built a robust technology stack, spanning Google Cloud, data analysis tools, multi-language development, and video infrastructure. This transformative technology unlocks personalized, scalable learning for students worldwide, marking a significant shift in education.

Salient Features:

Personalized Learning: The program offers 24x7 access to live teachers who provide personalized support, helping students build a strong foundation in key concepts.

Real-time Learning Support: It identifies a student's learning needs in real time and connects them with subject teachers when they face difficulties, both at home and in school.

Student-Centered Learning: The project prioritizes student-centered learning approaches, enhancing existing learning outcomes, rather than merely providing access to curriculum-based digital resources.

One-on-One Interaction: Through online live tutoring sessions, students benefit from one-on-one interactions with teachers.

Regional Language Customization: Live sessions can be customized in regional languages, making learning more accessible to students.

Impact:

Technology Patents: Filo has secured technology patents in both India and the US for its innovative platform, revolutionizing education with 24x7 instant teaching.

PAN India Scalability: The program has been successfully implemented in Bihar, Rajasthan, and Dumka District (Jharkhand), benefiting over 3,40,000 students with scalable potential across India.

Improved Learning Outcomes: Filo's tech-driven approach has significantly improved learning levels for all students, including those at risk of failing.

Students' Benefits: Students from remote regions gain access to subject experts through mobile technology, enhancing their learning and preparing them for competitive exams.

Young Graduates' Opportunities: Filo creates job opportunities for young, passionate graduates, with over 30% being female educators supporting their families and 75% falling within the 18-25 age group, including rural residents.

Government Partnerships: State governments and district administrations benefit from enhanced learning outcomes, capacity building for in-service teachers, and assessment tools to gauge students' topic-wise understanding

Implementation Model:

Live Learning Sessions: FILO employs a vast pool of over 60,000 trained teachers who conduct 24x7

live learning sessions tailored to students' specific learning needs. These sessions take place on FILO's mobile platform, extending to schools lacking subject-specific teachers.

Continuous Assessments: Following each learning session, students engage in short quizzes to reinforce their knowledge.

AI-Driven Learning Acceleration: The platform harnesses AI to identify individual learning gaps based on student interactions. Teachers provide targeted support, building foundational knowledge and delivering a grade-appropriate understanding of topics. Personalized learning curves map each student's topic-wise proficiency, facilitating accelerated learning

Beneficiaries:

Over 3.4 lakh school students in Dumka and other districts in Bihar and Rajasthan connect with subject experts who understand the regional language. Access to quality learning for competitive exam preparation is made available right at students' doorsteps.

The program creates employment opportunities for over 60,000 young graduates who are passionate about teaching.

Over 30% of educators on the platform are female, allowing them to work from home and support their families.

More than 75% of educators fall within the age group of 18-25 years, contributing to a dynamic teaching environment