

Annie Smart Class



India's First Smart Class Solution for the Visually Impaired

A  NITI Aayog recommended intervention!



The Need

The Braille literacy rate in India is **less than 1%**.



Hand-holding and **constant supervision** of a special educator.



Non-interactive content keeps the students uninterested and demotivated.



Primitive teaching methods resulting in slow learning.

The teacher-student ratio in most schools in India are **below RTE prescribed standards**.

This skewed ratio leads to **unfavourable learning outcomes** among the Visually Impaired.

Students in most special schools in India receive **less than 5 minutes** of personal attention.

The Solution

Annie

World's first
Self Learning
Device for the
Visually Impaired!



With Annie, a visually impaired student can learn to **read, write, and type** in Braille on their own, while having **fun!**

Inclusive

Fits seamlessly in a regular school. Equips parents and regular teachers to cater to a student with visual impairments.

Connected

Special educators can monitor multiple students at the same time.

Smart

Provides instantaneous feedback and continuous evaluation.

Innovative

A patent pending device with hardware and software modules tailored to teach Braille and beyond.

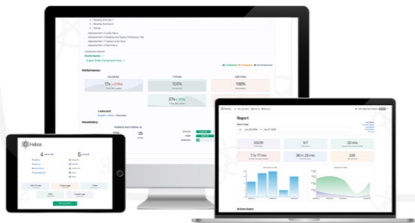
The **Annie Learning Ecosystem** provides dynamic interactive content to the student, captures usage data and analyzes it.

Helios Analytics Suite

- Track student progress and recommend lessons.
- Schedule tests, homework, and create custom content.
- Visualise usage and performance insights.
- Generate performance reports of entire classroom.
- Compare results and identify focus areas.

Annie Content

- Games and challenges focused on developing braille skills.
- Fun interactive lessons with reward system and exercises to keep students interested.
- Word banks to improve vocabulary.
- Periodic assessment tests to identify problem areas.



The Helios Analytics Suite (actual screenshots)



Teacher assisting learner



Student typing on Annie

Case Study

India's First Braille Smart Class

Rajyakrit Netrahin Madhya Vidyalaya, Ranchi

Before

- 24 students.
- Only 2 braille proficient teachers.
- Less than 5 minutes personal attention per student per class.

The Deployment

- 20 connected Annie devices with RNIB inspired content.
- Localized content in English and Hindi.
- Innovative user tracking and analytics.

Since the Deployment

- Reinvigorated interest and increase in appetite to learn due to the interactive Annie content.
- Over 500 hours of usage on Annie.
- A student spends 30 minutes per day on average learning on Annie.

Students in most schools learn to type in braille from Class 8.

Students in Ranchi learn the same from Class 1!

They learnt braille typing in just 90 days!



Braille Smart Class in Action at Rajyakrit Netrahin Madhya Vidyalaya



Annie being demoed to Minister of Social Welfare and the District Collector of Ranchi

In the district of Ranchi, lives of visually impaired children are being improved with the braille smart class!

MR. NARENDRA MODI
HONORABLE PRIME MINISTER OF INDIA



Thanks to Thinkerbell Labs and District Innovation Fund it is a meaningful change in the lives of those that need it most.

MR. RAI MAHIMAPAT RAY
DISTRICT COLLECTOR & DEPUTY COMMISSIONER, RANCHI, JHARKHAND



The kids are loving it. As teachers, we are able to supervise many kids as they learn at the same time. Also great support by Thinkerbell Labs team to ensure smooth functioning.

MR. RAUVISH KUMAR
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