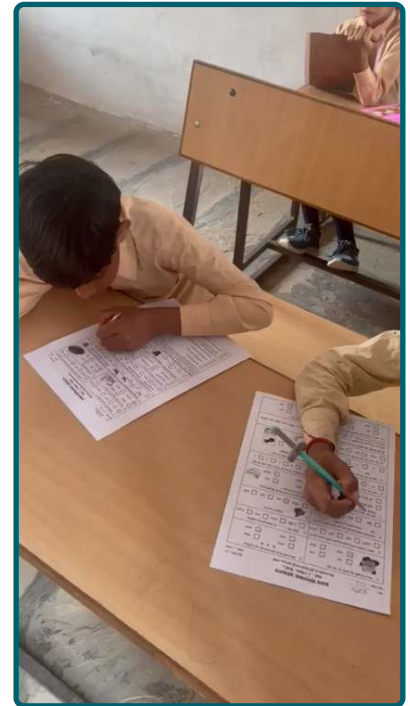# CASE STUDY

Smart Paper Supports Record-Breaking Assessment of 4.5 Million Students in India

Customer

Rajasthan School Education Department serves nearly 10 million K-12 students at over 65,000 schools.

SMART PAPER

Problems

To support student learning needs, the government aimed to gather Math and Literacy assessments from all 5 million students in grades 3-8. However, collecting assessments from millions of students and entering this data required an enormous amount of time and effort. In particular, it required all teachers to spend hours manually entering student data in a process that was often unreliable and prone to cheating. Furthermore, it was simply not feasible to provide digital devices to all students to conduct the assessment.

The government wanted a solution that would allow rapid, low-cost, large-scale assessment – and they wanted the data from this assessment to be immediately useful for teachers, parents, and schools.

Solution

Through our relationship with the Central Square Foundation (a leading education non-profit in India), we were connected to the Dell Foundation, who recommended us to the government of Rajasthan.

SmartPaper was chosen as a solution because we could provide computer-vision technologies with high accuracy and flexibility. Perhaps more than anything else, our technology was easy to integrate into their existing systems. In less than one month from the start of our discussions, our API was integrated into the government's existing mobile app. The actual integration time took less than one afternoon.

Results

4.5 Million Students Assessed	13.5 Million Papers Scanned	200 Million Questions Graded

On November 3, 4, and 5, nearly 13,500,000 sheets of paper were scanned by the personal mobile phones of over 250,000 teachers. These sheets of paper contained the common assessment data

SMART PAPER

from over 4,500,000 students in grades 3-8. This resulted in the government of Rajasthan being granted a world record for the largest roll-out of AI in education technology (link).

Practically speaking, our API processed over 200,000,000 questions, providing immediate feedback to teachers and rapid feedback to parents—the data was used in millions of parent-teacher meetings in the following weeks.

"Using these AI-based results, this will be the first time that we will be able to use the data of learning levels and nudge the teachers that their children are struggling in [a particular] competency... and pay special attention to them."
— **Gaurav Agrawal (IAS), Director of School Education, Rajasthan Government**

"The initiative taken by the Government of Rajasthan is commendable. The use of Artificial Intelligence in education will certainly bring a revolution. The current age-old evaluation system was badly in need of this change."

News Articles

Rajasthan School Education Department Held Mass Drive By Using AI In 1.35 Crore OCR Sheets; Sets World Record

Rajasthan School Education Department sets world record for assessing 1.35 crore OCR sheets using AI