INITIATIVES THAT CREATE A MEASURABLE IMPACT
MEASURE IT TO IMPROVE IT

Educational Initiatives (EI), through Large Scale Education Programs (LSEP), has carried out various student assessments, teacher needs assessment and impact evaluation projects to deliver analytics that can drive large-scale transformation in education. EI, with its data-driven insights has helped several countries, governments, foundations and corporate CSR wings to identify areas of improvement by measuring learning gaps in educational systems.

Based on the insights gathered through its assessment projects, EI created Mindspark, a personalised adaptive learning program. The organisation has successfully made this program available to students across government, low-income private and independent schools in India. One of the key features of Mindspark is helping students learn Maths and Language at their own pace and in their own mother tongue.

LSEP IMPACT

- 17 years
- 25 governments
- 180 projects
- 196,628 schools
- 18 languages
- 42 partners
- 20,717 teachers
- 12,303,417 students

Target
All students in India learning with understanding
BRINGING SYSTEMIC REFORM

Through its Capacity Building programmes, EI conducts multiple training workshops on question-making, test execution, analysis of data as well as wide-scale dissemination of seminars explaining the insights gathered during these workshops.

These programs help state personnel to take relevant action to enhance capacity of educators and improve quality of instruction.

Board Exam Reform brings a real change in the kind of questions asked in national examinations. The project studied 6 different countries’ national examinations and teaching methodologies. Insights from the project were used to alter 10% of the questions asked in these examinations.

BEFORE

March 2012, Gujarat SSC Examination

Question that simply tests facts

How many light-year away is the Sun located from the galactic centre?

A 250  B 30,000  C 22.5  D 15,000

AFTER

March 2015, Gujarat SSC Examination

Question that tests understanding

In which of the following statements is the word light-year used correctly?

A Light travels with the speed of 1 light-year in the universe.

A Cetus dwarf galaxy is 2.46 million light-year away from us.

A The next complete solar eclipse will be seen after 32 light-year.

A The Earth takes 365 days to complete the distance of 1 light-year around the Sun.
LEVERAGING TECHNOLOGY, IMPROVING EDUCATION

EL believes that technology will play a critical role in transforming and enhancing educational systems, by making high-quality education accessible to even low-income students living in remote areas.

EL has used innovative technology to understand and improve learning outcomes amongst students. It has delivered detailed diagnostic data on gaps in student learning and remedial actions that can be undertaken to resolve them.

AQAD for students in regional languages
ASSET Question-A-Day (AQAD) program brings thought-provoking grade level questions to students and teachers.

AQAD.in

Reading Test on Mobiles is conducted to identify specific challenges in reading that students face. Data generated through longitudinal observations showcase improvements and persistent learning difficulties.

18,000 students attempt AQAD every week
5,000 write explanations while answering AQAD
LEARNING SOLUTIONS TO DEVELOP UNDERSTANDING

Mindspark is a personalized adaptive learning programme that helps students understand Maths and read effectively.

The programme is a result of intensive research and data gathered through EI's assessment projects. It has been made available to students in low-income communities in Hindi and Gujarati.

Mindspark will be used by over 13000 students in 70 government schools of Rajasthan spread over 15 districts of Rajasthan over the next 3 years. This has been made possible with generous support of the P&G Shiksha Initiative and Global Innovation Fund. The program's impact on student learning is being independently evaluated by J-PAL.

Mindspark impact

J-PAL conducted a randomized evaluation of Mindspark in Delhi which showed 200-250% gains in learning outcomes when children from government schools did Mindspark for Math and Hindi.

Independent 3rd party assessment done by:

Karthik Muralidharan
Co-Chair of J-PAL's Education Program
University of California, San Diego

Abhijeet Singh
University College, London

Alejandro Ganimian
Post-Doctoral Fellow
THE ROAD SO FAR

Young Lives Secondary School Survey
Assessment of English & Maths of secondary school children in India, Vietnam and Ethiopia as part of a DFID & Oxford University sponsored study.

Time on Task Study in Secondary Schools
A study to document and analyse the current use of teachers' classroom time and identify good practices to improve classroom teaching in Mathematics and Language in secondary schools of Madhya Pradesh and Bhopal.

Bihar State-wide Student Assessments
One of the largest state-wide census assessments, covering 58 lakh children across Bihar, to increase awareness on the learning level of the students and build the capacity of the teachers to build assessments.

Establishing Benchmarks of Student Learning
A first of its kind study to understand the actual learning levels of children in a range of Indian school systems, government schools, affordable private schools and high fee private schools, across different socioeconomic, linguistic, and geographic groups.

Mindspark in Government Schools
Mindspark reaching over 13,000 students in 70 government schools of Rajasthan across 15 districts. The program’s impact on student learning is being independently evaluated by J-PAL.
Study on Student Learning in the Metros
Research study to understand ‘How well are children learning in the top schools of our country’.

Annual Status of Student Learning, Bhutan
5 Year comprehensive improvement project with the Bhutan government.

Google
Study on Student Learning
One of the largest studies of its kind in any country of the world conducted in 18 states and 1 union territory of India to understand the learning levels of the students.

Municipal Corporation of Greater Mumbai
Assessment of Student Learning, MCGM
Census assessment study covering all government schools of Greater Mumbai.

Study on Quality of Education
Large scale research effort to expand the meaning of “Quality” in education and study the attributes of quality learning environments.

Learning Assessment and Learning Improvement Programme
Using Mindspark, a computer adaptive personalised learning tool, Continuous Teacher Support and Learning Assessment as a means to improve learning level of students in government schools.
LSEP IN ACTION

Students taking a test

Mindspark in Government Schools
Students interacting during a session

Mindspark Lab in Gujarat

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