70 Lakh Children

$1 Innovation

SAMPARK SMART SHALA™ PROGRAM

76,000 Schools

IMPACT REPORT: 2018-19

“
We believe in transforming education through disruptive, inclusive innovations.”

Vineet Nayar.
सावन और गीता की कहानी उनकी अपनी जुबानी

स्कूल सिर्फ एक बंद कमरा न होकर एक ऐसा झरोखा होना चाहिए, जिससे बच्चे ज्ञान के खुले आसमान को देख सकें। एक ऐसी प्रयोगशाला, जहाँ हर बच्चा अपने हाथों से कुछ करके सीखे, अपनी आँखों से पढ़े, कानों से सुने और फिर अपने मस्तिष्क से जाँचे और सोचे।

सम्पर्क फाउंडेशन एक ऐसी सोच है, जो बच्चों के बचपन को साथ लेकर चलना चाहती है। हमारा ऐसा मानना है कि किसी-कहानियों, गीत और कविताओं में बच्चों की रुचि बढ़ने लगे तो उन्हें सिखाने का काम बहुत आसान हो जाता है।

सम्पर्क दीदी और कोई नहीं बस सभी शिक्षकों के बंदर पूछी हुई वह सुज्जनामक शक्ति है जो बच्चों में नई चीजें समझने और सीखने के प्रति प्रेम जगा सकती है। एक शिक्षक, जिसे देखकर बच्चों के होटों पर मुस्कान और चेहरे पर चमक आ जाए, वही तो है सम्पर्क दीदी!

लाखों बच्चों के चेहरों पर मुस्काहट लाने वाले सभी शिक्षकों और आप जैसे सहयोगियों के लिए सावन और गीता लेकर आए हैं अपनी कहानी उनकी जुबानी।
Sampark Foundation was founded by Anupama Nayar and Vineet Nayar (Former Vice Chairman and CEO of HCL Technologies and author of Harvard Business Press bestseller "Employees First, Customer Second") with a belief that "frugal innovation" and its effective implementation in partnership with the government can drive large-scale improvement in learning outcomes. This thought prompted our founders to dedicate their lives to this cause.

Our journey of learning, which involves working with 76,000 rural schools, 70 lakh children in 6 states (Chhattisgarh, Jharkhand, Haryana, Uttar Pradesh, Himachal Pradesh and Uttarakhand) along with 2,00,000 teachers is just that – a learning journey. We firmly believe that problems at scale can only be solved with patience, perseverance and lots of passion.
बादलों से बोझा, बारिश का एक दिन
नाम था जिसका सावन कैसे रहे वो खेले बिन?

किंतु, सर पे लिए अपने वो कामों का टोकरा
खेतों की ओर दौड़ वो छोटा सा छोकरा।
5 Step Model of Change

For the innovation to trigger change, it needs to find a mode of execution that works with the system within the system. Without execution at scale, long-term change is not likely to happen. This led to the creation of a 5-step model of change to transform learning outcomes in the government primary schools in 6 states.

First
**PARTNER** with the Government
Signed MoU with the Government to roll out Sampark Smart Shala™ in 76,000 schools

Next
**PROVIDE** innovative Training and Learning Methodologies
1,50,000 Math and English kits distributed

Then
**TRAIN** teachers in blocks or villages
2,00,000 teachers trained

And
**TECH-ENABLE** the teachers
2,00,000+ trained teachers use the Sampark Smart Shala™ mobile application

Finally
**MONITOR** learning outcomes
monitor learning outcomes of 70 lakh children
कीचड़ में धांसते थे सावन के पाँव,
ऐसे में एक जोक ने लगा लिया दांव।

अरे हटो! हटो! वो जोर से विलाया
पकड़ के जोक को दूर गिराया!
Sampark Smart Shala™
Impact

A third party assessment in 2018-19 by Feedback Consulting showed a remarkable increase in the percentage of children who answered grade level questions in Math & English:

- 68% in Chhattisgarh compared to 29% in 2017-18.
- 54% in Jharkhand compared to 18% in control group with no intervention.
- 70% in Haryana compared to 23% in control group with no intervention.

<table>
<thead>
<tr>
<th>State</th>
<th>Before</th>
<th>After</th>
<th>Growth in learning outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chhattisgarh</td>
<td>29%</td>
<td>68%</td>
<td>39% year on year growth</td>
</tr>
<tr>
<td>Jharkhand</td>
<td>18%</td>
<td>54%</td>
<td>36% year on year growth</td>
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<tr>
<td>Haryana</td>
<td>23%</td>
<td>70%</td>
<td>47% higher learning outcomes in one year</td>
</tr>
</tbody>
</table>

*Independent assessment by Feedback Consulting*
धान लगाकर वो अपने घर को भागा,
जाना था स्कूल, नहीं करनी थी नागा।

बसते में ढाली किताबें और थाली,
मिठ-छे मील मिलने तक पेट था खाली।
Sampark Smart Shala™

Impact

“We are happy to see Sampark Foundation invest in Chhattisgarh. This is a very innovative intervention that is bringing excitement back into the classroom and significantly improving learning outcomes as we saw last year.”

Dr. Raman Singh, Former Chief Minister, Chhattisgarh

“We thank Sampark Foundation for bringing this innovation to our 26,000 primary schools and 40 lakh children. I am sure our young State, Jharkhand, will see significant improvement in the quality of primary education with such a strategic partnership.”

Shri Raghubard Das, Chief Minister, Jharkhand

“The Sampark approach is a unique and path-breaking innovation. It will be an asset to our education system for years to come and revolutionise the way Math and English are taught in our schools.”

Shri Harish Rawat, Former Chief Minister, Uttarakhand
उधर, नन्हीं सी गीता के घर में यह हाल था,
रेता था भाई, बिखरे से बाल थे।

चुल्हे के धुएं से ओखें थी नम,
माँ की आवाज़ सुन, उठ बैठी एकदम।
Impact Report
2018-19

In this report, we try to bring together the highlights of the work we have done in 6 states and how we achieved significant change in learning outcomes in 2018-19. We are transforming education through these four steps...

1. Identifying the Problem
   Poor learning outcomes

2. Introducing Innovations
   Reimagining the classroom

3. Executing @ Scale
   Empowering 2,00,000 teachers

4. Creating Impact
   70 lakh smiles and counting
पानी भरकर, माँ का हाथ बटाया,
फिर छोटी सी गीता ने भाई को उठाया।
The Unsolved Problem

Poor Learning Outcomes

Over 14 crore children study in more than 10 lakh public-funded schools in India. In the 17 years since education became a fundamental right, the country has achieved a near-universal enrolment rate of 96% at the primary level. However, all independent surveys—including the National Achievement Survey (NAS)—point to alarmingly poor learning outcomes.

Six million children in the age group 6-14 are estimated to be out of school, and 36% of the children drop out even before completing primary education.

Quality education is the key to social and economic growth—it lays the foundation for a developed country. If not tackled in time, India's learning crisis can turn our demographic dividend into our biggest challenge.

We need to fight education inequality to fight economic and other debilitating inequalities in the country. The size and scale of this challenge cannot be ignored anymore.

6/10
Children in grade 5 cannot read grade - 2 text

8/10
Children cannot do simple math
समय हो गया कक्षा का भागी वो स्कूल, 
कहीं जल्दी में बस्ता न जाए वो शुल।
The Unsolved Problem in 6 States

Poor Learning Outcomes

The 6 states of Chhattisgarh, Jharkhand, Haryana, Uttrakhand, Uttar Pradesh, Himachal Pradesh have amongst the lowest learning outcome level in the country.

7/10 children could not solve previous grade questions in Chhattisgarh*

3/4 children could not solve previous grade questions in Jharkhand*

3/10 children could not solve previous grade questions in Haryana*

कक्षा के दिन की थी वो शुरुआत
गिनती का हो रहा था मंत्र जाप।

श्यामप्रेरणे सवालों की बारी जब आई,
सावन की तबीयत शोड़ घबराई।
Introducing Innovations

Sampark Smart Shala™: The Pedagogy Edge

The program was offered to teachers in the form of mock classrooms wherein teachers can see a lesson plan as it should be explained in class. This provides teachers, who are first-time learners of the concept themselves, a safe environment, without judgement on their prior knowledge (or lack thereof).

To drive significant improvement in learning outcomes, Sampark Smart Shala™ was developed on following 3 key themes:

- **Concrete before abstract:** Teach in concrete form using TLMs (Teaching Learning Materials) before teaching the abstract concepts (workbooks).
- **LSRW:** Teach Listening and Speaking (using the audio box) before Reading and Writing (using the workbooks).
- **Known to unknown:** Teach by setting local context (using the Sampark Smart Shala™ App), from known to unknown (audio device) and simple to complex (workbooks).
लगा झॉकने वो दाएँ और बाएँ
गणित से कौई तो उसे बचाए।

एक सरल से सवाल को वो न कर पाया हल,
पूरी कक्षा में मच गई हल-चल।
Sampark Smart Shala™
5 Innovations

1 The Sound Box

Digital education is dominated by interactive video content. However, government schools don't have easy or uninterrupted access to electricity, internet connectivity and ability to buy expensive digital gadgets.

In comparison, audio is affordable, easy to use, and most importantly, it leaves space for a child to imagine. Sound Box is a rechargeable audio device that uses a voice mascot, 'Sampark Didi' and 112 carefully researched lessons with songs, music and games.

The sound box is an essential listening and speaking catalyst for first-time English users to teach English employing LSRW (Listening, Speaking, Reading and Writing) and a 'whole language' approach. Over 200,000 teachers have taught using Sampark Didi, the audio box developed by Sampark Foundation.
अंग्रेज़ी शी तो कुछ समझ न आती,
सिर के ऊपर से उड़ जाती।

टीचर गीता को समझाती,
पर वो रोती ही रह जाती।
Sampark Smart Shala™
5 Innovations

3-D Teaching and Learning Materials

Sampark Foundation has delivered Sampark Smart Shala™ 1,500,000 Math and English kits in 76,000 schools.

These colourful and attractive TLMs are specially designed to work in rural classrooms and help explain concepts in linear steps: from simple to complex, and from concrete to abstract.

The 15 TLMs in the Math Kit, including plastic money, number lines, counting beads, blocks, clock, counters, and place value strips are used to teach calculations, shapes, weight and time. Similarly, in the English Kit there are concrete materials such as flash cards, theme calendar, letters, to introduce the concepts of primary English syllabus.

These 3-D TLMs will help over 2,000,000 teachers in explaining the concepts of Math and English to 70 lakh children in 6 states.
तोते जैसे सटे रहना,
अटरम-चटरम बारबार।

“टविकल-टविकल लिटल स्टार”,
कहाँ रहते हो तुम उस पार?
3 Board Games

A child’s learning should continue even if the teacher is not in the class. This led to creation of Board Games. These are specifically designed to enable learning even when a teacher is not around.

The Sampark Smart Shala™ kit has 10 board games, with 7 levels of complexity, allowing 40 children to play at one time by grouping them based on their competency levels.

Each board game takes 15 minutes from start to finish and comes with clear objectives and instructions to be followed.
आखिर आ गया वो दिन अनोखा,
कानों को जैसे लगता था घोरा।

“गुड-मॉर्निंग बच्चों!” देखो कौन आया?,
एक गुंजती आवाज़ ने उन्हें चौंकाया।
Sampark Smart Shala™
5 Innovations

4 Multimedia Workbooks

The Sampark Smart Shala™ books that we have introduced this year are multimedia workbooks equipped with QR codes. Children can scan the code on their low-cost smartphone to see a lesson come to life via an animation or video. This feature adds excitement to learning at home and in class.

Besides, these workbooks are specifically designed to provide ample practice opportunity to children.

The workbooks are aligned with the state syllabus.

In Math, these workbooks are based on the ‘concrete to abstract’ methodology, and in English, workbooks allow children to read and write what they have learned.
जो देखे थे सपने वो होंगे साकार,
सम्पर्क दीदी कक्षा में आएंगी बार-बार।

न तो में जिन्न हूँ न ही कोई भूत,
गाती मैं गीत हूँ, बस आप ही की मीत हूँ।
Sampark Smart Shala™
5 Innovations

5 Sampark Smart Shala™ App

Offline over Online: Though it is easy and cost-effective to push out content using the internet, internet connectivity is an issue for most rural locations. The Sampark Smart Shala™ App is a free Bot-enabled, interactive mobile app, which works both online and offline. It is loaded with animated videos, games, puzzles and worksheets, and gives the teachers a personalized experience.

Animation-based mock classroom: Teachers refer to Teacher Training Diary for lesson plan and then see the mock classroom animated video of Sampark Smart Shala™ App. This app is installed on teachers’ phones using peer sharing during face-to-face teacher training at block level.

SCAN and experience the change

![QR Codes for the App](QR Codes for the App)
ये कौन थी जो हम को न देती दिखाई,
क्या उसके मन में थी बच्चों की भलाई?

सब लगे अब साथ में गाने और नाचने,
सम्पर्क दीदी जो आ गई थी उन सब के बीच में।
Executing at Scale

5 Step Model of Change

For the innovation to trigger change, it needs to find a mode of execution that works with the system within the system. Without execution at scale, long-term change is not likely to happen. This led to the creation of 5-step model of change to transform learning outcomes in the government primary schools in 6 states.

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the teachers
2,00,000+ trained teachers use the Sampark Smart Shala™ mobile application

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**MONITOR**
learning outcomes
monitor learning outcomes of 70 lakh children
फिर जैसे किसी दिव्य-लोक से, उतर आया एक नीला पिटाया।

“खोलिए इसे” बच्चों ने जोर से पुकारा, "चुप रहो! बच्चों" टीचर ने किया बहुत झशारा।
# 5 Step Model of Change

## 1. Partner with the Government

Change at scale is impossible unless we work with the government, within their opportunities and constraints, to drive significant gains in learning outcomes.

<table>
<thead>
<tr>
<th>Sampark Foundation’s Responsibilities</th>
<th>State’s Responsibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Invest in the transformative program.</td>
<td>• Print Workbooks for children.</td>
</tr>
<tr>
<td>• Roll out Sampark Smart Shala™ program in 76,000 primary schools in 6 states.</td>
<td>• Arrange for teachers’ training.</td>
</tr>
<tr>
<td>• Train 2,00,000 teachers.</td>
<td>• Monitoring of the program through State Officers.</td>
</tr>
<tr>
<td>• Distribute 1,50,000 Sampark Smart Shala™ Math and English kits.</td>
<td>• Review the progress and give directions.</td>
</tr>
</tbody>
</table>
खुलते ही डिब्बा, मुस्कुराहटें सी छा गईं,
उसमें से निकली एक लड़ी, लाल-सफेद मोटियों से जड़ी।

फिर रंग बिरंगे ब्लॉक्स और काउंटर निकल आए,
पैसे और घड़ी भी साथ में लाए।
5 Step Model of Change

2 Provide

At the core of our design is an assumption that if we can get a child excited about learning, nothing will stop her from getting to where she wants to go irrespective of all the constraints she might face on the way.

Under this program, we have distributed 1,50,000 Sampark Smart Shala™ Math and English kits to the schools so far and we expect to further provide 2,00,000 Teacher Training diaries that have complete lesson plans on how the class should be transacted.

6 States
76,000 Schools
1,50,000 Math and English Kits
70 Lakh Children
गणित नहीं है अब कोई सजा,
पढ़ने और पढ़ने दोनों में है मजा।

अंग्रेजी सीखना हँसते-गाते,
समय दीदी का साथ निभाते।
5 Step Model of Change

3 Train

The training we provide is unique and interactive as the teachers get an understanding of how to deliver each concept using the manipulatives in the classroom. Across all the schools, teachers who teach grades 1 to 5 have been trained in the interactive, activity-based pedagogy.

This year, Sampark Foundation has successfully trained teachers with an average 95% attendance.

1 Chhattisgarh
32,000 Schools
90,000 Teachers Trained

2 Jharkhand
14,000 Schools
28,000 Teachers Trained

3 Haryana
8,750 Schools
21,500 Teachers Trained

4 Uttarakhand
12,500 Schools
26,000 Teachers Trained

5 Himachal Pradesh
10,600 Schools
22,000 Teachers Trained

6 Uttar Pradesh
5,500 Schools
12,000 Teachers Trained
अब नहीं था सिर्फ जोड़ना और घटाना,
किसे कहानियों से था मन को लुभाना।

आगे और पीछे गिनते हुए जाना,
मूर्त रूप में पहले गणित माला पर सीखना।
5 Step Model of Change

4 Technology

The Sampark Smart Shala™ mobile application is a free learning platform with over 2,00,000 teachers as active users. The app provides simple and engaging content in Hindi that makes learning more fun in school and at home in rural India. All the content is available online and offline and one can also access it by just scanning the QR code in the multimedia workbooks. All teachers, who have been trained, now have the video application on their phone. Children can also watch these videos using the QR codes given in their multimedia workbooks.
सीखने के लिए अब थे ब्लॉक्स और काउंटर्स प्यारे-प्यारे, खेलने के पैसे लगते थे न्यारे।

गणित ना हो जैसेहो कोई दोबारा सावन और गीता में लग गई होड़।
5 Step Model of Change

5 Monitor

Using the existing education infrastructure and personnel, in Chhattisgarh, Jharkhand, Haryana, Uttarakhand, Himachal Pradesh and Uttar Pradesh, the program incorporates regular monitoring of schools by nodal persons and onsite support is made available to teachers. Demonstration classes are conducted at the cluster level. Monthly performance reports are sent to education and district administrators via Sampark Smart Shala™ app, an android application.

Sampark Sparks, based in each district, coordinate the efforts of Cluster Resource Persons, who visit the schools and evaluate the program along four dimensions on a three-point rating scale.

36% Schools in Chhattisgarh were rated Grade ‘A’ based on all 4 elements of the Sampark Smart Shala™ being used well.

43% Schools in Jharkhand were rated Grade ‘A’ based on all 4 elements of the Sampark Smart Shala™ being used well.

41% Schools in Haryana were rated Grade ‘A’ based on all 4 elements of the Sampark Smart Shala™ being used well.
गीता थी अहाड़स पर चलने थे और कदम आठ

कूद के बोला सावन, “छलीस!”
समझ में आ गया गणित का पाठ।
Creating an Impact

70 Lakh Smiles and Counting

A deep dive into assessment at Sampark Foundation

Poor learning outcomes concern parents, teachers, as well as education interventionists. Sampark has developed assessment tools and methods to make sure that the effectiveness of the pedagogy is continuously evaluated and upgraded. Sampark Foundation’s impact assessment framework are rolled out at 3 levels, in parallel.

1. **Progress chart** with assessment questions helps a teacher know and track the performance of her multi-grade classrooms.

2. **School Audit** by Sparks and CRCs with an app that enables them to fill out 4 assessment parameters. The data is used to rank and drive changes in behaviour.

3. **Third Party Assessment** at the level of pedagogues. Feedback Consulting uses PPS to conduct an independent 3rd party assesment of learning outcomes. Using baseline and endline tools, learners are assessed – both on qualitative and quantitative parameters -- on how well they have grasped the fundamentals of English and Math. The assessment tools are based on the ‘gold standards’ of learning assessment, both diagnostic and formative.
अब, ऐल्फाबैट लैंड को हम सब जाते, अक्षरों को पिरोकर शब्द बनाते।
Creating an Impact

1. Impact on Teachers

- **95%** plus attendance in training: Sampark trainings are offered in a non-judgemental environment where we recreate the joy of learning for teachers by awakening the child in them. They attend the SSS training because they want to, not because they have been directed to.

- Up to **58%** of schools got grade 'A'. Our Sparks audit schools by visiting them unannounced. 56% of teachers completely own and execute the program within two years, which is far beyond our expectations of 40%. It is a measure of their pride in the program.

- **30%** reduction in the teacher’s workload. The way we have explained concepts and designed the classroom transaction makes the entire teacher-student interaction smooth and stress free. We do not ask teachers to fill any forms and registers—they just teach, and we help them do just that.

SCAN and listen to what the teachers have to say about Sampark Smart Shala™
फिर शब्द जोड़कर वाक्य बनाते, सम्पर्क दीदी से सीखकर आते।
Creating an Impact

2 Impact on Children

A third party assessment in 2018-19 by Feedback Consulting showed a remarkable increase in the percentage of children who answered grade level questions in Math & English:

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और, फिर एक दिन ऐसा भी आया,
गीता ने सबको चौंकाया।
Learning Outcome Assessment Report

Chhattisgarh
Jharkhand
and
Haryana State

3 May 2019

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www.feedbackconsulting.com

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झट-पट अंग्रेज़ी जब बोलकर दिखाई, तालियों ने उसकी शान बढ़ाई।
2018 results of Chhattisgarh were 39% better compared to 2017 test with no intervention.

- Impact was higher for across the classes in English (48%) than that of Math.
- The highest measured improvement in performance was ~65% in some districts.

The positive impact suggests the need of more years of intervention (for longer period) to see more impact year-on-year and also need to implement it in higher classes across the target states.
Control vs. Intervention group - Math Results

In Chhattisgarh, for Class 3 and Class 4 Math, students have outperformed in all competencies as compared to the control group.

- The overall class-wise performance of Chhattisgarh for Math also show better results as compared to the control group.
- Class 4 has shown higher improvement than that of Class 3 in Chhattisgarh.
- The impact of the module was highest for multiplication for the two classes, showing ~47% improvement in the results.
- Replication of the Sampark Shala Math program for higher classes with added competencies are likely to yield positive results.
In Chhattisgarh, for Class 3 and Class 4 English, students have outperformed in all competencies as compared to control group.

- The overall impact created by Sampark on English competencies was higher than that of Math.
- Class 4 has shown higher improvement than that of Class 3.
- The performance of the control group was the least in ‘sounds of alphabet’ and ‘phonic words’, the performance of the intervention group was significantly better at ~56%.
- The performance of the intervention group was significantly high. Across all competencies, the highest score obtained by the Control group was 37%, while 60% was the minimum score obtained by the intervention group.
गीता और सावन जैसे लाखों और,
सम्पर्क ढीली के जादू से हुए विश्व
Control vs. Intervention group - Results of 2018 tests

The intervention group in Jharkhand scored 36% better compared to the control group with no intervention.

- The performance of the two groups were assessed for Class III Math competencies.
- 54% of the students were able to solve basic grade-level mathematics questions correctly after 1 year of intervention, as opposed to only 18% in the control group without the implementation of Sampark Smart Shala.
- After one year of intervention, a growth of 36% was observed in Class 3 Math, moving the average score to more than 50% across the 5 districts of Jharkhand.
- None of the 5 districts in the study had scored more than 50% among the control group while all the districts had scored more than 50% on an average after the intervention.

Replication of the Sampark Shala Math program for higher classes with added competencies are likely to yield positive results.

Continued efforts towards intervention in other subjects is needed for overall improvement in the learning outcomes of students.
Control vs. Intervention group - Math Results

Math Performance | Competency wise

<table>
<thead>
<tr>
<th>Competency</th>
<th>Control</th>
<th>Intervention</th>
<th>Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number sense</td>
<td>24%</td>
<td>64%</td>
<td>40%</td>
</tr>
<tr>
<td>Double digit addition</td>
<td>28%</td>
<td>64%</td>
<td>36%</td>
</tr>
<tr>
<td>Double digit subtraction</td>
<td>15%</td>
<td>46%</td>
<td>31%</td>
</tr>
<tr>
<td>Single digit multiplication</td>
<td>16%</td>
<td>52%</td>
<td>36%</td>
</tr>
<tr>
<td>Single digit division</td>
<td>8%</td>
<td>46%</td>
<td>38%</td>
</tr>
</tbody>
</table>

* Across the 5 common districts

For the intervention group (5 Districts in Jharkhand), students have outperformed in all competencies of Class 3 Math as compared to the control group.

- In each competency, a positive impact of 31% is seen after the one year intervention of Sampark.
- Single digit division has been the most challenging competency among the control group, the performance after the intervention has shown an improvement of 38%.
- The impact of the program was the highest for number sense for Class 3, showing ~40% improvement in the results.
अब देखते क्या हों? बस चल दो साथ,
परिवर्तन बनो, पकड़े समय का हाथ .....

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Control vs. Intervention group - Math Results

Across Haryana, the performance of Class 3 and Class 4 Math students has been consistent and better for the intervention group as compared to the Control group.

- For Class 3 Math, the Haryana (intervention group) has performed 51% better than the control group (non-intervention).
- For Class 4 Math, the intervention group (intervention group) has performed 46% better than the control group (non-intervention).
- The minimum average score achieved, across the districts of the intervention group, was 42%, while the highest was 87%.
### Performance of districts by competency

<table>
<thead>
<tr>
<th>Competency</th>
<th>Class 3</th>
<th></th>
<th>Class 4</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6</td>
<td>9</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Number Sense</td>
<td>10</td>
<td>11</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>Addition</td>
<td>4</td>
<td>12</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>Subtraction</td>
<td>4</td>
<td>11</td>
<td>6</td>
<td>13</td>
</tr>
<tr>
<td>Multiplication</td>
<td>10</td>
<td>10</td>
<td>1</td>
<td>13</td>
</tr>
<tr>
<td>Division</td>
<td>3</td>
<td>13</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>State Average</td>
<td>6</td>
<td>14</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

For both Grade 3 and 4 Math, 5 districts out of 21 districts had scored above 80% across grade-level Math competencies.

13 Districts had scored between 61-79% on Class 3 Math Competencies and 14 Districts had between 61-79% on Class 4 Math Competencies.

3 Districts had scored between <=60% on Class 3 Math Competencies and 2 Districts had scored between <=60% on Class 4 Math Competencies.

- The performance in the competency ‘addition’ has been the highest for Class 4, where 18 out of 21 districts had scored more than 80%.
- Division is the most challenging among students across all districts. 10 out of 21 districts had scored below 60% for Class 3 and 13 out of 21 districts scored below 60% for Class 4.
- Three districts need immediate attention of grade-level competencies of Class 3: Rohtak, Palwal and Fatehabad.
- Two districts need immediate attention of grade-level competencies of Class 3: Palwal and Fatehabad.

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About the Founders

Anupama and Vineet Nayar, former CEO and Vice Chairman of HCL, founded Sampark Foundation in 2005 with the objective of ensuring education equality for millions of children in rural India. Recognised globally as one of the foremost voices on human potential management and workplace makeover, Vineet has always believed in the power of ideas to bring about radical change. Never one to shy away from rewriting old rules and testing new ones, he and his wife Anupama, a special educator and pedagogy expert, believe that disruptive technology can break barriers to large-scale social transformation.

They have developed, after years of research, a tech-enabled pedagogy, which has empowered teachers and changed the teaching-learning experience in over 76,000 primary government schools across six states. Their frugal innovation—marked by whole new teaching practices, tools and methodologies—is improving quality of education for 7 million children at less than $1 per child per annum, overcoming many challenges and constraints of Government education system in the country.
The change on the ground would not be possible without our Sparks, who work relentlessly with great pride and passion, and a single-minded focus on results!