



**NATIONAL CONFERENCE
OF CHIEF SECRETARIES**
Government of India

Third National Conference of Chief Secretaries

Theme: Ease of Living

Sub theme: Ease of Schooling





“ *समान शिक्षा का मतलब है...*

शिक्षा के साथ-साथ संसाधनों तक समान पहुँच, हर बच्चे की समझ और choice के हिसाब से उसे विकल्पों का मिलना, और स्थान, वर्ग, क्षेत्र के कारण बच्चें शिक्षा से वंचित न रहें।

”

अखिल भारतीय शिक्षा समागम
29 जुलाई 2023

- Hon'ble Prime Minister Shri Narendra Modi

Session Plan

Session	Moderator/Topic	Time
Context Setting	Secretary, DoSE&L	13 Minutes
Film	On 'Ease of Schooling'	5 Minutes
Presentation	<ul style="list-style-type: none">• Andhra Pradesh - Tech-enabled systems: Better learning outcomes• Rajasthan - PM SHRI: NEP 2020 exemplar school• Uttar Pradesh – Whole of Government approach	27 Minutes
Open House	Open House Discussion	18 Minutes
Summary	Chief Secretary, Gujarat	12 minutes

Approach – Working Group Consultations

3058 officers contributed from all States/UTs



Constitution of Working Group (19th May)



Concept Note (24th Jun)



Workshops - Held at 4 levels: MoE, CBSE, State/UT, and district (4th Jul - 23rd Aug)



Feedback and State Specific Note – All States and UTs (15th Jul – 18th Aug)



Background Note (7th Sep)

Impact of education on GDP



- India's Expected Years of Schooling (EYS)* is **12.8 years**.
- **Potential to go up to 18 years of EYS**
- Each year of schooling leads to **increase of 0.37% of GDP^**

**EYS is average number of years a child attends schools starting from Primary to Tertiary education*

^Source: UNICEF 2015

Ongoing initiatives – 1/2



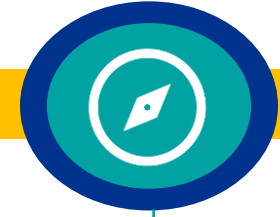
Vidya Sameeksha Kendra

- **AI driven big data analytics** for improved monitoring of activities and learning outcomes



DIKSHA

- **Digital Public Infrastructure** for personalized learning and pedagogical support
- **3 lakh+ supportive e-content** in 31 Indian and 7 foreign languages



PM SHRI

- NEP 2020 **exemplar schools** benchmarking ease of schooling to become new normal in education system

Ongoing initiatives – 2/2



Vidyanjali

- Promoting **community participation**
- **4.5 lakh+ volunteers**
- **6 lakh+ schools** registered



ITEP, NISHTHA, NPST & NMM

- Improving **teachers' quality and competency**



PARAKH, NAS & SEAS

- From rote based assessment to **competency-based assessments**

Decadal achievement of school education (2014 - 2023)

Impact on School Education

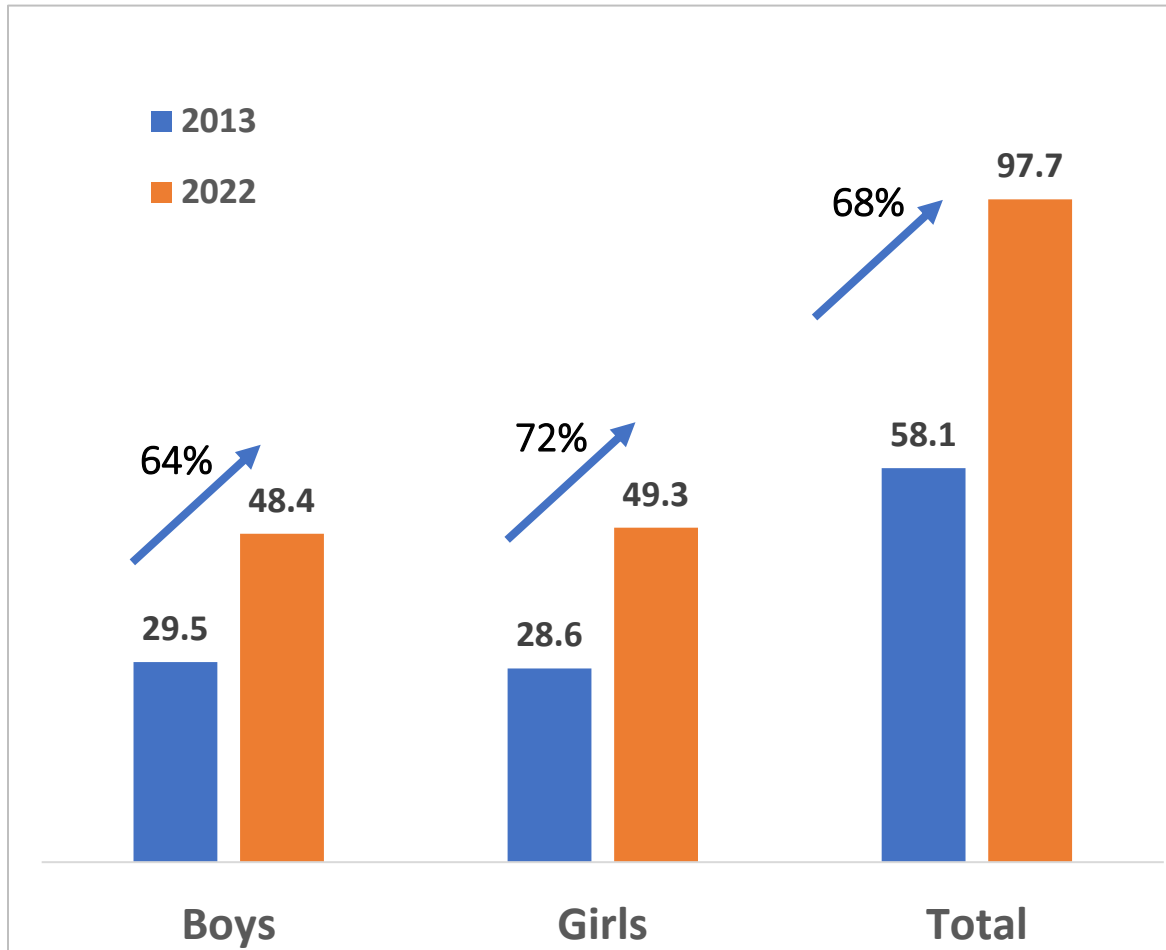
Indicators	2014	2023
Total Teachers (Lakh)	85.6	94.8
Female Teachers (Lakh)	39.0	49.6
GER (Secondary) (%)	75.7	79.2
GER (Higher Secondary) (%)	46.3	56.8
Retention Rate-Elementary	67.4	75.8
Retention Rate-Secondary	57.2	65.5

%age of availability of basic infrastructure in schools

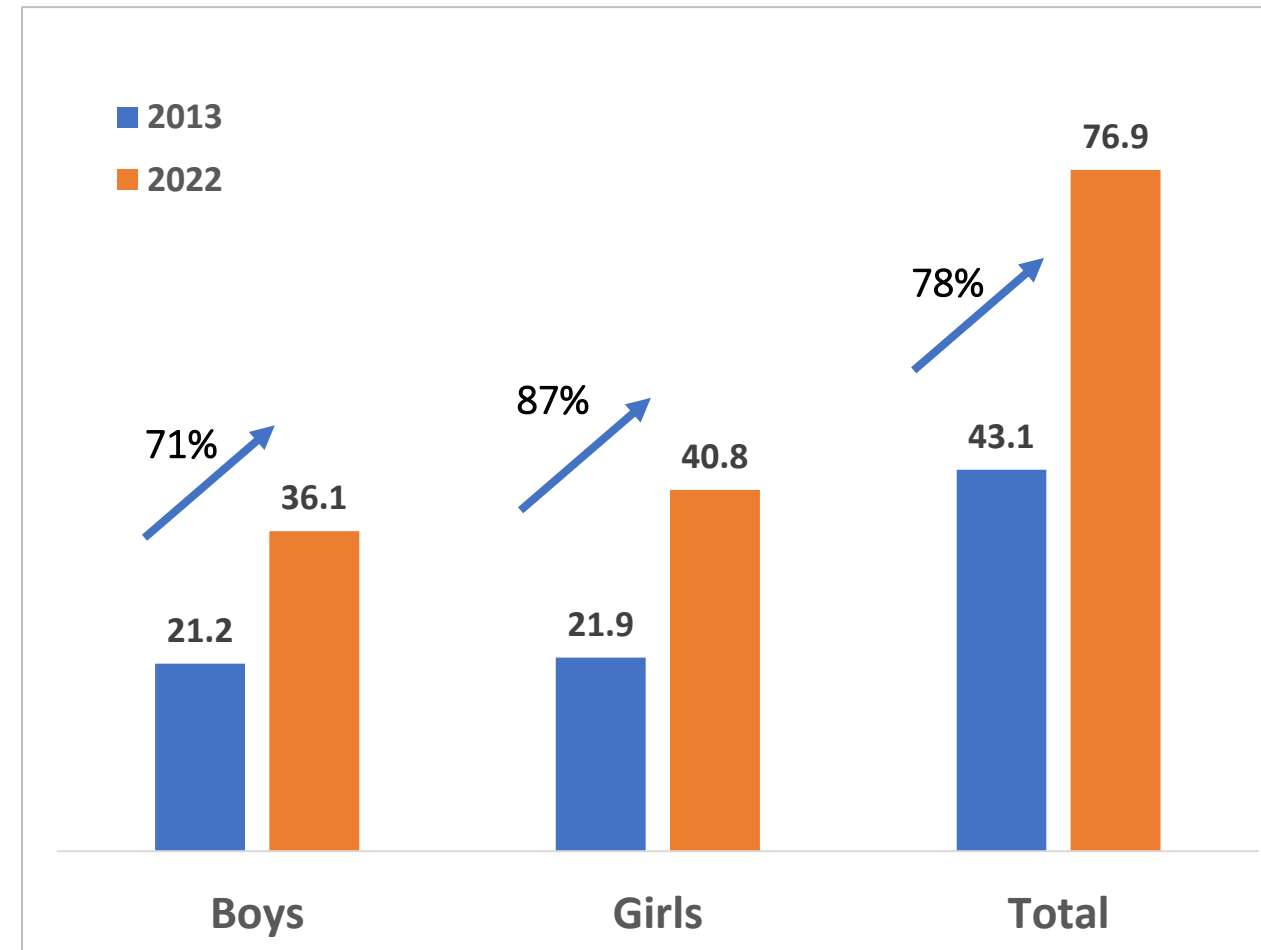
Indicators	2014	2023
Drinking water	96.1	98.4
Girls Toilets	93.1	97.0
Boys Toilets	88.6	95.6
Handwash	43.1	94.1
Electricity	60.0	91.7
Playground	68.7	82.0
Library	82.2	88.3
Ramps	59.8	77.5
Computer	26.4	47.7
Internet	8.1	49.7
Rainwater Harvesting	4.4	28.0
Solar Panel	0	10.4

Significant improvement in quality of students pass out

Class 10th Board Exam pass out with 60% and above*

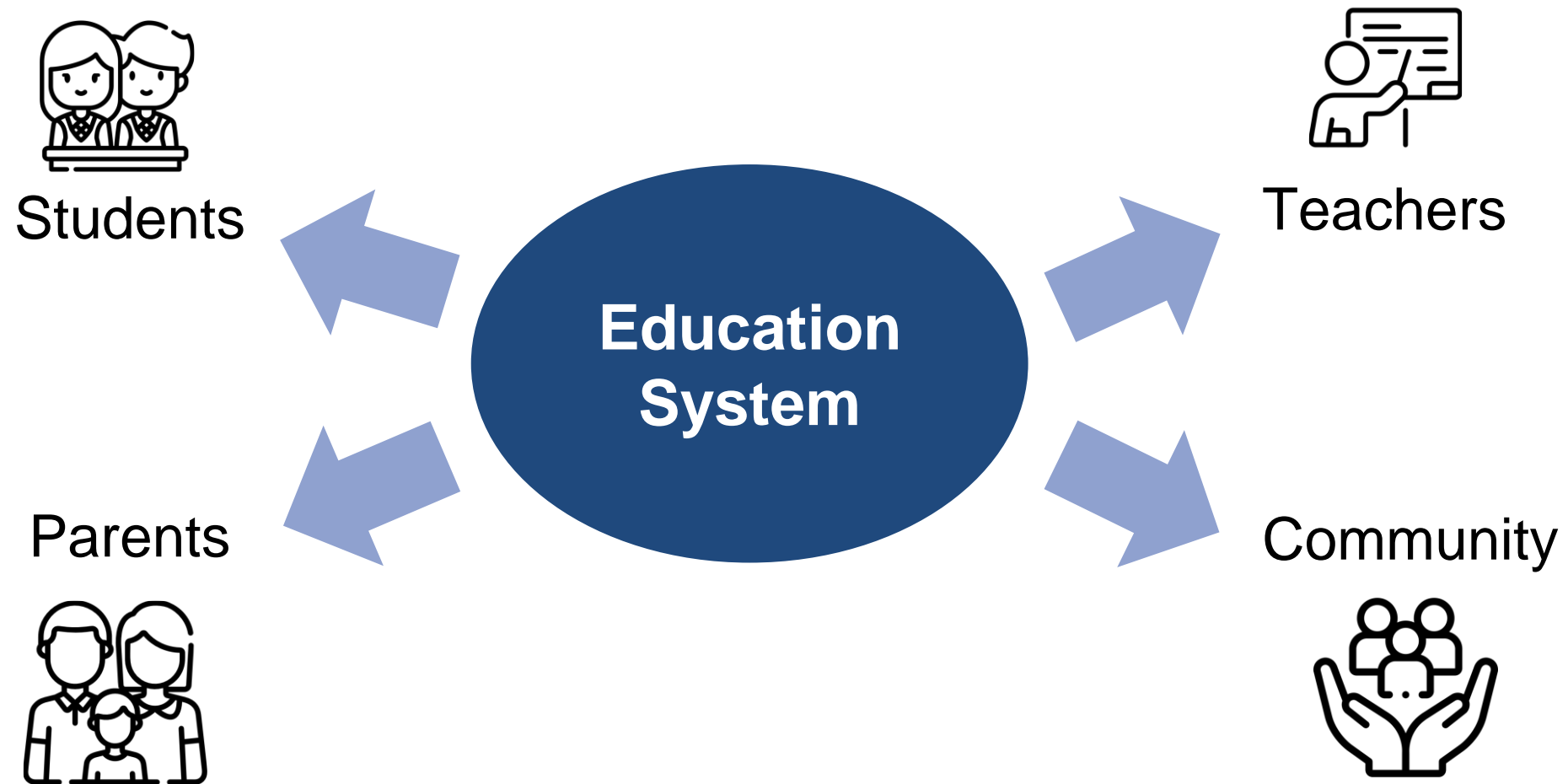


Class 12th Board Exam pass out with 60% and above*



*Figures in lakhs

Expectations of stakeholders for Ease of Schooling



Expectations of students

- A. Safe, inclusive and equitable environment**
- B. Interactive learning ecosystem**
- C. Seamless Admission, & Transition up to Higher Education**
- D. Easy & Timely Access to all educational records/ entitlements**



Expectations of teachers

- A. Improved Quality of infrastructure**
- B. Good career path, more time for core function and incentives for motivated performance**
- C. Opportunity to work in proximity of residence**
- D. Effective grievance redressal mechanism**

Expectations of parents and community

- A. **Easy admission** processes
- B. **Safe, equitable** and inclusive school environment
- C. **Access to quality education in proximity** to the residence
- D. **Active involvement** in the learning progress of child
- E. **Develop responsible global citizens rooted in the Indian culture** and knowledge system



Challenges : Access



- 34% “**small**” **size** schools

(3.86 lakhs school having enrolment less than 50 students)



- **Multiple category** of schools

(10 categories of schools)



- Still a large proportion of schools without **optimal infrastructure**

(Approx. 42% children don't have access to basic furniture)



- **Inability to track** a child & learning outcomes
- **Manual processes** leading to delay in retrieval and documentation errors

Challenges : Service Delivery



- **Rational deployment** and absence of incentives for **Continuous Professional Development** of teachers



- Absence of a single repository of **educational records**



- Lack of assessment equivalence, including **curriculum amongst 62 educational boards**



- Manual processes for exams and **re-evaluation**

Film –
Highlighting current efforts and achievements

Stories from the ground – Andhra Pradesh

Ease of Schooling – Access & Services through leveraging technology

School Education Department, Andhra Pradesh



Interventions for Ease of Schooling

1. UDISE+

Application - Improving the Gross Enrolment Ratio

2. Digital Locker

Application – Accessing Report Cards, health Card, Student Pass Certificates, etc.

3. Samagra Shiksha

Better Learning Outcomes Using Artificial Intelligence Engine (Doubt Clearance Bot)

4. Punctuality of teachers

Attendance through the Facial Recognition system

5. PM POSHAN

Monitoring the Quality of Meal served through Artificial Intelligence App

6. Maintenance grant

Effective Monitoring of Swachh Vidyalaya using Artificial Intelligence App

1. UDISE (Unified District Information System for Education)+ application: Improving the Gross Enrollment Ratio(GER)

Education Survey for children aged 5-18 years

Pending for survey Completed surveys

Enrolled ^

Yet to be Enrolled v

BARAVOLU SASI THAROOR
HH763001159106202002140548
56969
+91 9492867857

KALLURU JHANSI
HH302029969648202106040813
31725
+91 9949551383

Migration outside state ^

Death ^

Unidentified Person ^

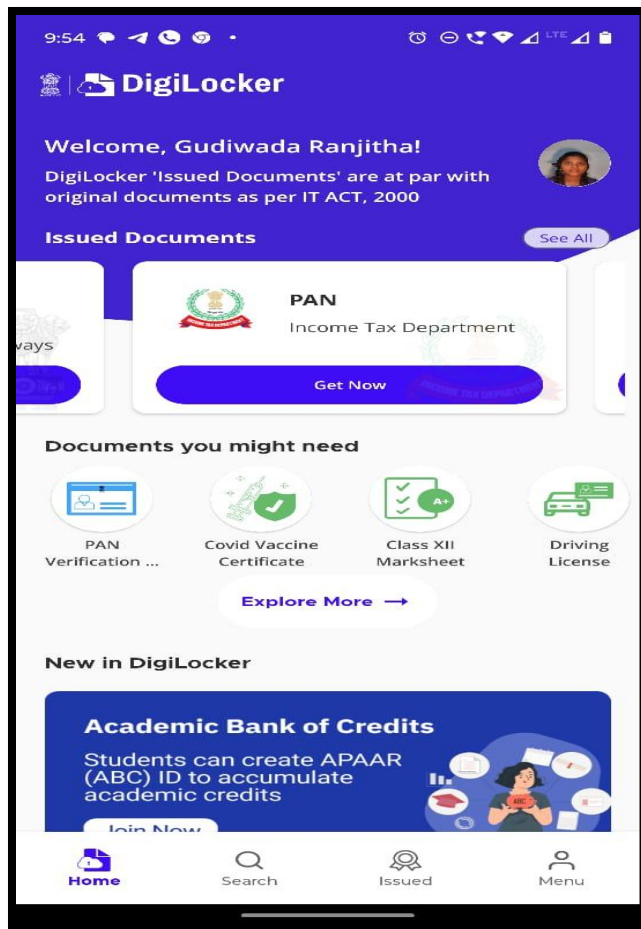
- **85+ Lakh** students mapped with **2,54,832 Volunteers** (99.7% of records are Aadhar seeded)
- **One volunteer** responsible for **50 Households**
- **1,47,779** students (**potential dropouts**) were brought back to school
- GER Elementary : **100%**
- GER Secondary : **100%**
- GER Hr. Secondary : **74.87%**

Nandyal District has achieved composite GER of 100%

2. Digital Locker application

Mission

Every student to download the Digi-Locker App to have access to documents like report cards, health cards, income certificates, etc.



Documents	No. of Documents
Class X/ XII & Diploma Marksheets	1.88 Cr.
Income and Caste Certificates	5.37 Cr.

3. Better learning outcomes using Artificial Intelligence (Doubt Clearance Bot)



6,806 High Schools are provided internet connectivity



All **62,000 Classrooms** are provided with **Interactive Flat Panels** from Class 6th Onwards



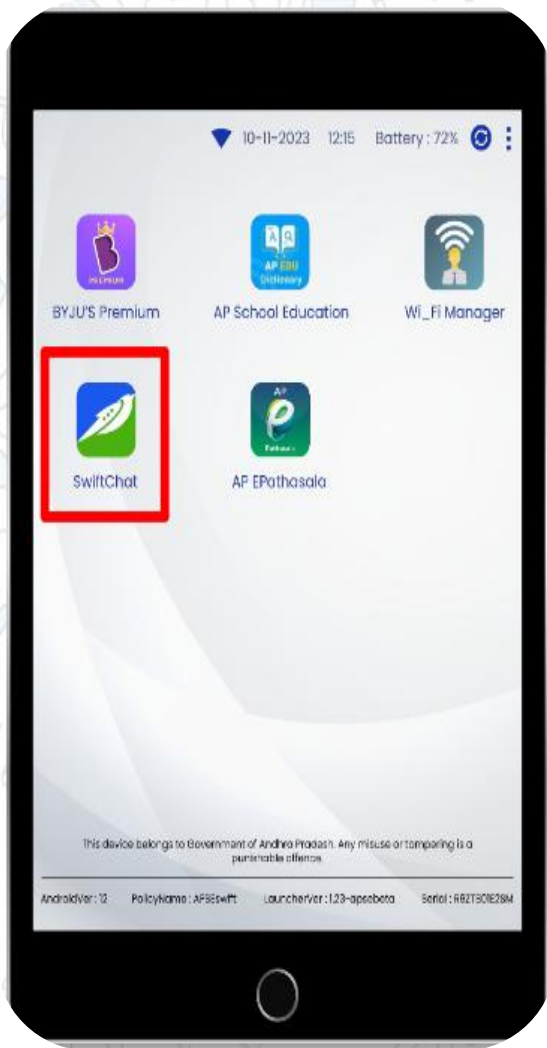
All class VIII students are provided with a **TAB**



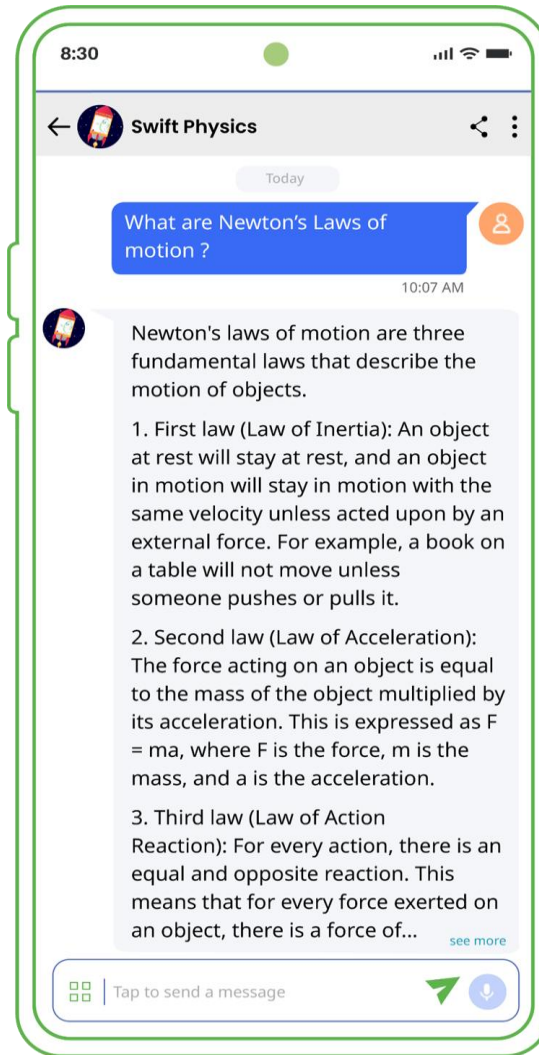
Swift Chat App (AI Generative App) for doubt clearance



Doubt Clearance Bot



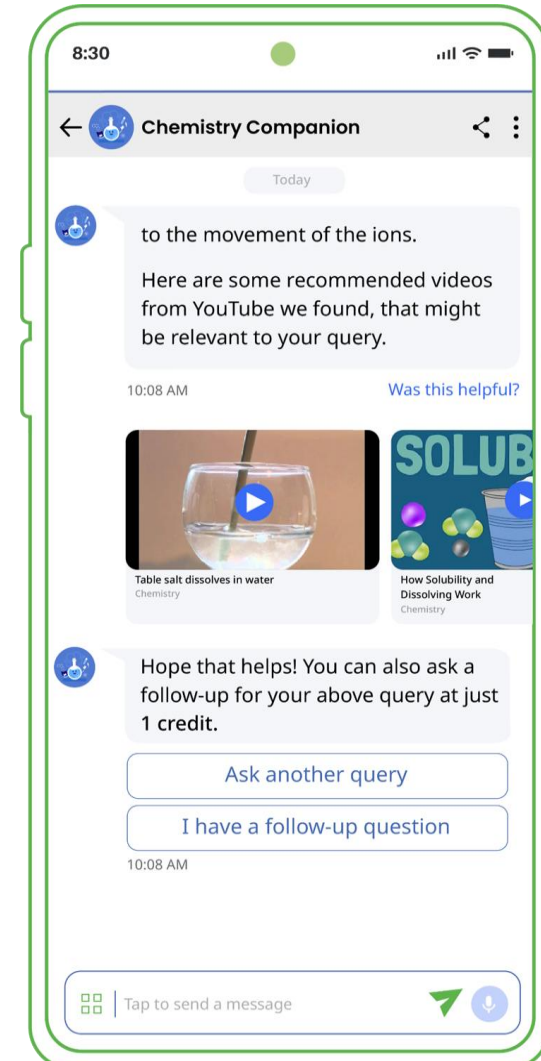

SwiftChat



Swift Physics



Bio Study



**Chemistry
Companion**

4. Attendance through the Facial Recognition system



AI for Face Recognition



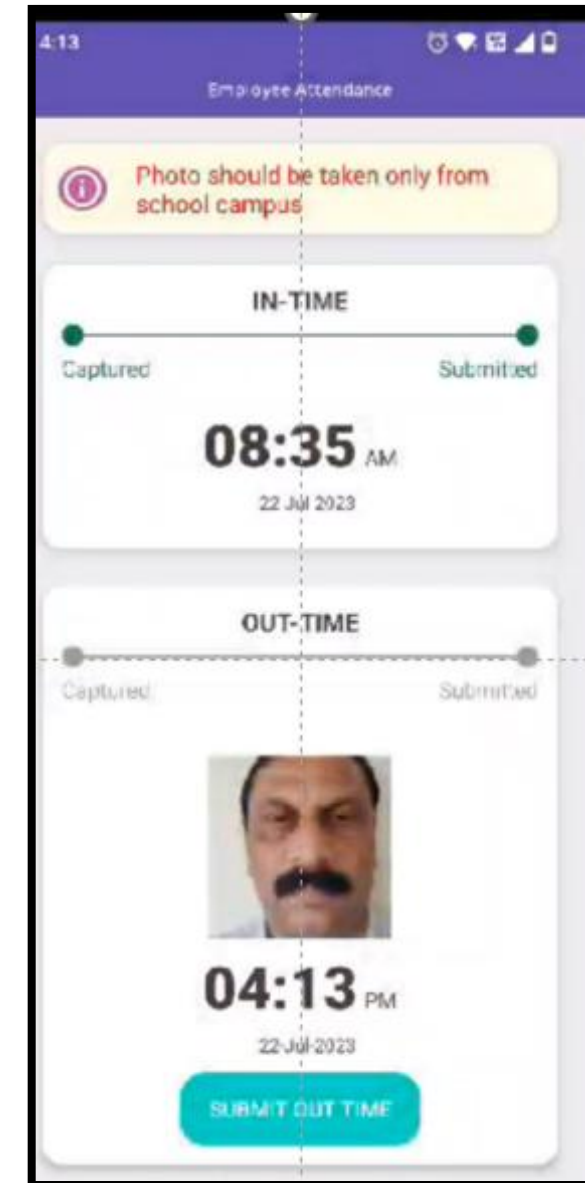
Geo fencing for all **45,000** Schools



Awareness created about usage



96.8% teachers marked on time in November 2023



5. PM POSHAN- AI processed photographs

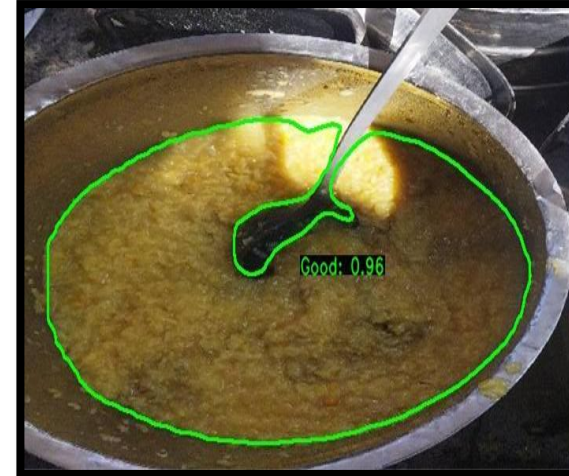
Dal with Green Leaves



Potato Kurma



Sweet Pongal



Vegetable Rice



5.77 crores photographs were used to train AI

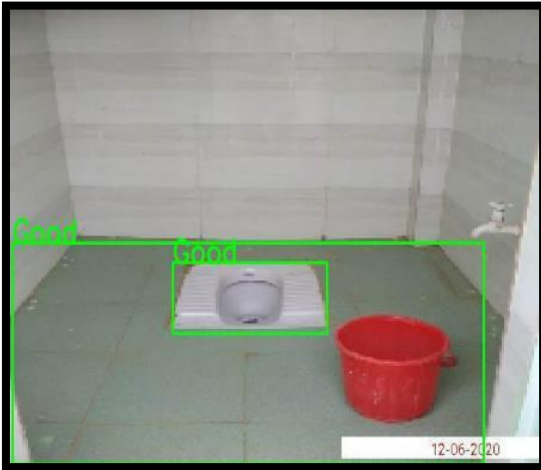
Process of capturing photographs

- The **in-charge teacher** of PM-POSHAN program captures and uploads the photographs
- **Once a week** the Welfare & Education Assistant of Village captures the meal photos
- Last month, in **97 cases** the **AI** detected **‘poor quality’** food was served



6. Maintenance grant - Effective monitoring using AI App

Toilet



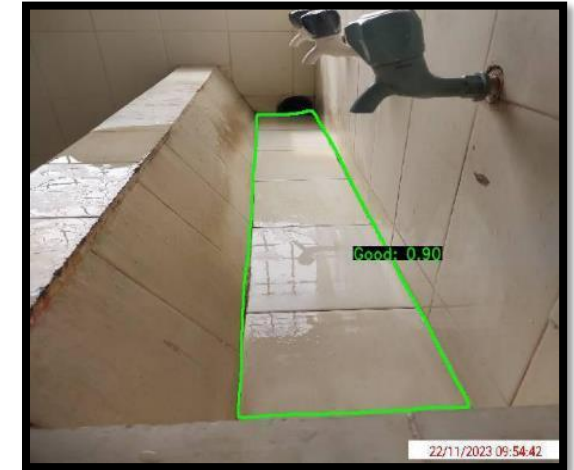
Boys Urinals



Girls Urinals



Wash Basin



Good
👍

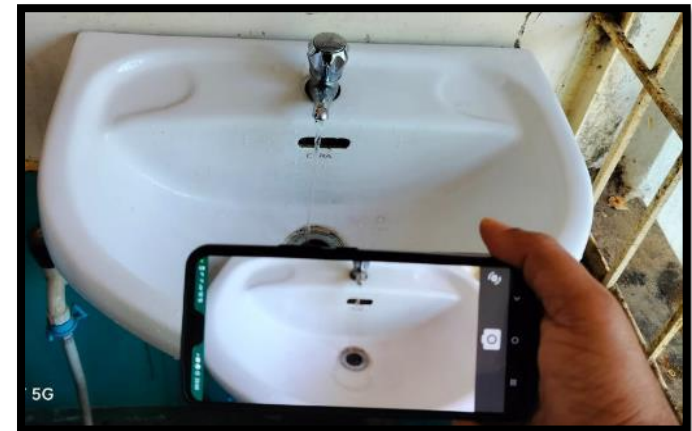
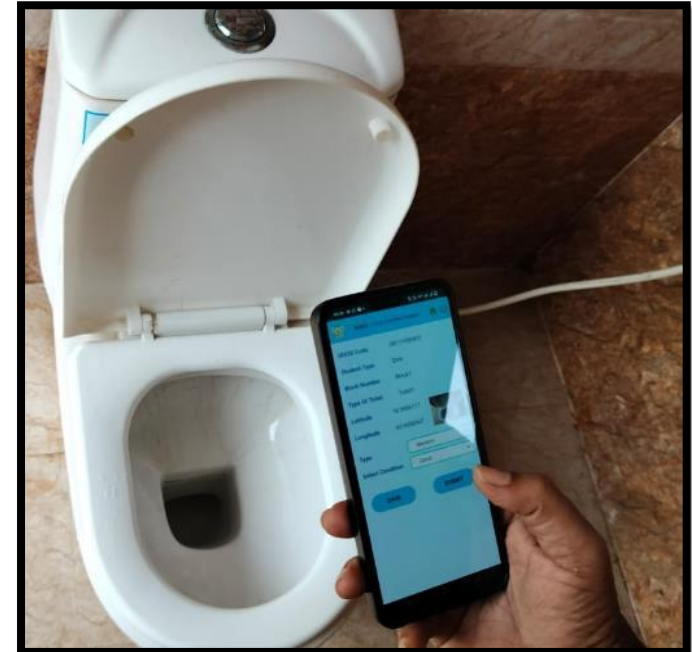


Bad
👎

2.26 crores photographs were used to train AI

Process of capturing photographs

- The teacher **captures the photographs** of Toilets and upload daily.
- **Once a week** the Welfare and Education Assistant of Village **observes maintenance** of toilets.
- AI detected **1,105 poor quality cases** of toilet maintenance in November 2023.



Technology Initiatives to Enable Ease of School Education

S. No	Project Name	Area of School Education
1	UDISE + Application	Access and Retention
2	Digital Locker	Certification and Assessment
3	Better Learning Outcomes Using Artificial Intelligence Engine	Teaching and Learning Outcomes
4	Punctuality of teachers	School Governance
5	PM POSHAN	Student Entitlement
6	Swachh Toilet	School Infrastructure

Stories from the ground - Rajasthan

PM SHRI School (PM ScHools for Rising India)



Department of School Education, Rajasthan

PM SHRI Vision

Vision

- Showcase all the components of **National Education Policy 2020**
- **Saturation** of quality academic contents and better infrastructural facilities
- Emerge as **new normal schools** with new ideas, new pedagogy, new competencies, and **joyful school environment**
- Provide **leadership** in their respective regions

Commitment to transform all schools like PM SHRI



Focus of intervention to ensure quality education



1. ICT Labs, smart classrooms, virtual labs and digital libraries



2. 21st Century skills - learning, literacy, & life skills



3. Green Schools



4. Tracking every child and monitoring dropouts



5. Career counseling, psychological support, & mentorship



6. Physical fitness, yoga, & sports activities



7. Safe & secure school



8. Monitoring learning outcomes

21st Century skills – Vocational exposure and life skill enablement



- Developing a global citizen through **life skills**
- Enhancing skills through **vocational exposure** across different trades

21st Century skills – Ensuring skill development and employability



Enhancing **employability** through Industrial Exposure Visits

21st Century skills – Career exposure



Ensuring **career exposure** across trades through Kaushal Melas and On Job Training

Next level infrastructure: Green Schools



Enhancing **sustainability** and **quality** of schools through energy-efficient building, Solar Energy, Nutri-Gardens, water- harvesting structures, incinerator for used pads etc.

Nurturing environment aware and responsible citizens



Developing critical thinking, decision making skills and making students **future-ready** through **Eco Club** activities

Career counseling and psychological support



- One on one and workshop based **career guidance**
- **Stress-free** environment for students through regular **psychological support**

Mentorship to create future leaders



*“Make teachers of PM SHRI
Schools one of the best who will
further become candles for
lighting other candles”*



- **Teacher Mentor** Concept and leadership training
- **Progressive pedagogy**, leading to inquiry-driven teaching & stress-free environment

Safe and secure schools



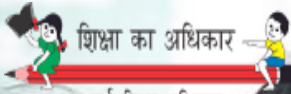
- **Awareness session for personal safety** to children in Grades 1 to 8
- **Self-defence training** through physical training instructors & police to girls
- Knowledge about **“Good Touch Bad Touch”**

Way Forward



- Emerging as the centres of "**Activity Based Learning**" & "**Smart tech-based Pedagogy**"
- Message of "**Quality and Inclusive Learning**" to the community & parents
- Providing inputs on **Personal safety, Life skills, Self-defence, etc.** to nearby schools by PM SHRI staff

Stories from the ground – Uttar Pradesh



सर्व शिक्षा अभियान
एक पढ़ें सब बढ़ें



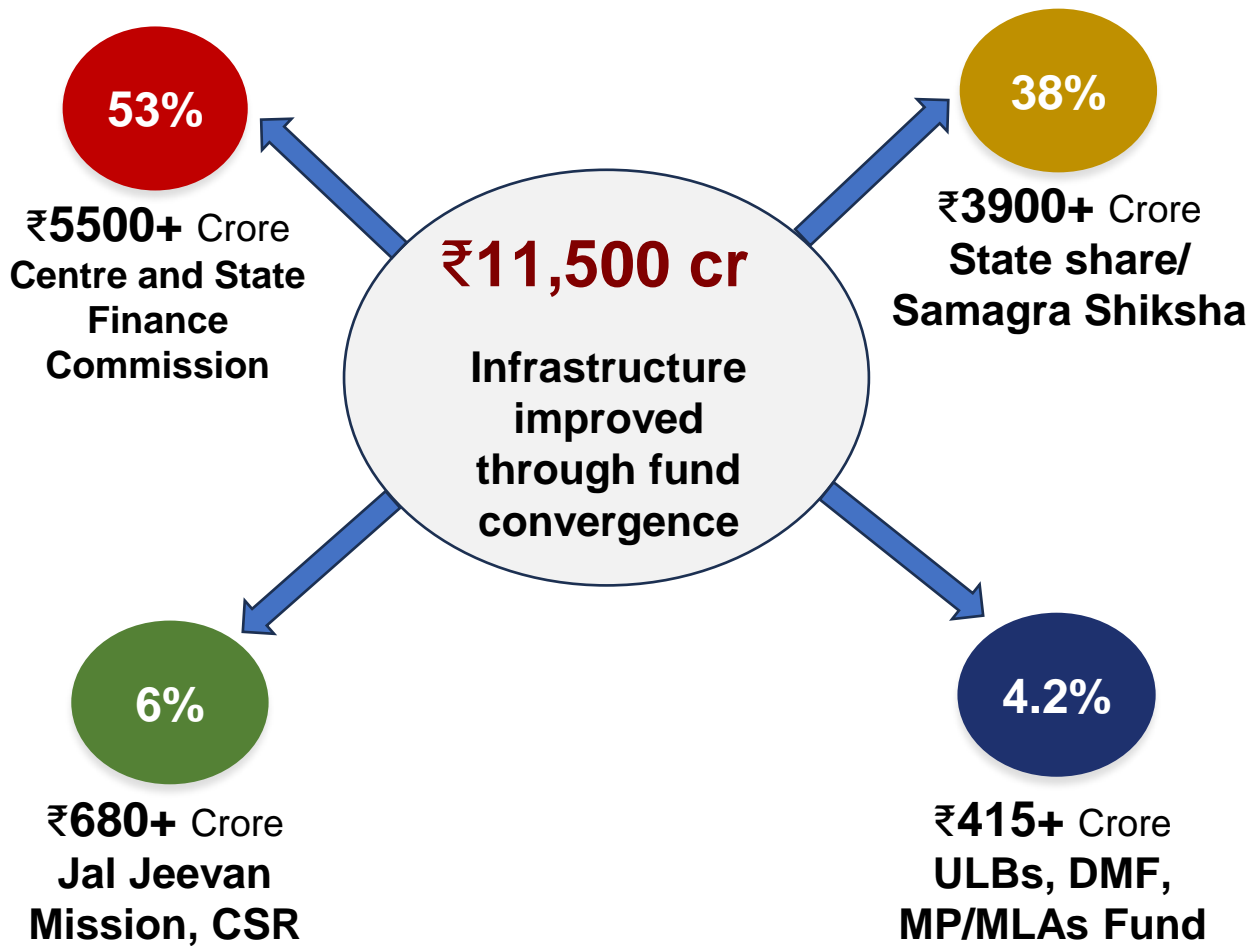
Promoting Ease of Schooling: Convergence & Community Participation

Department of Basic & Secondary Education, Uttar Pradesh



Operation Kayakalp: Whole of Government Approach

Rs. 7.8 Lakh per school investment in last 4 years



Operation Kayakalp: Building quality Infrastructure

58,000 Gram Pradhan, 15,000 Panchayat Secretaries, 6+ lakh Teachers, 1 lakh masons trained

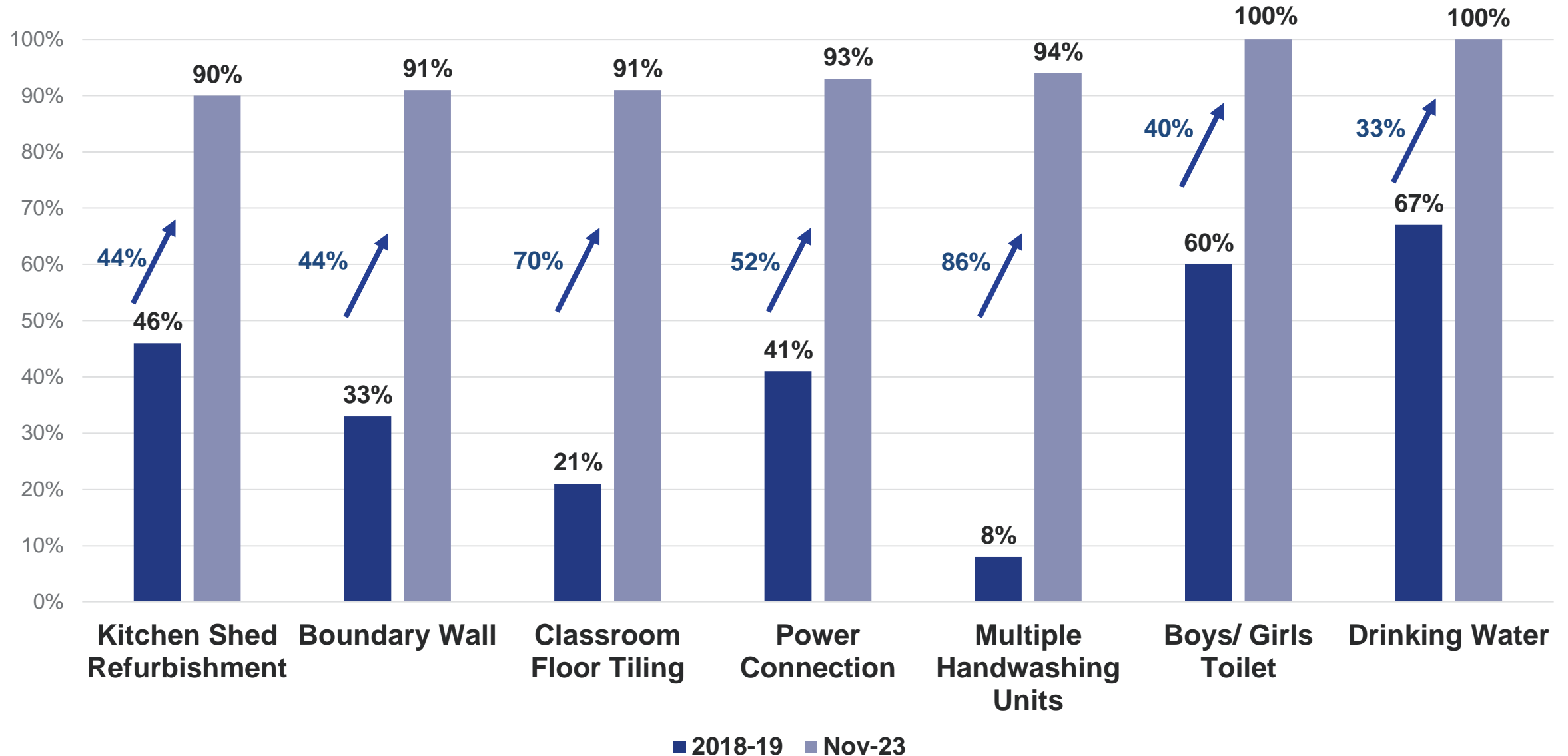


Before

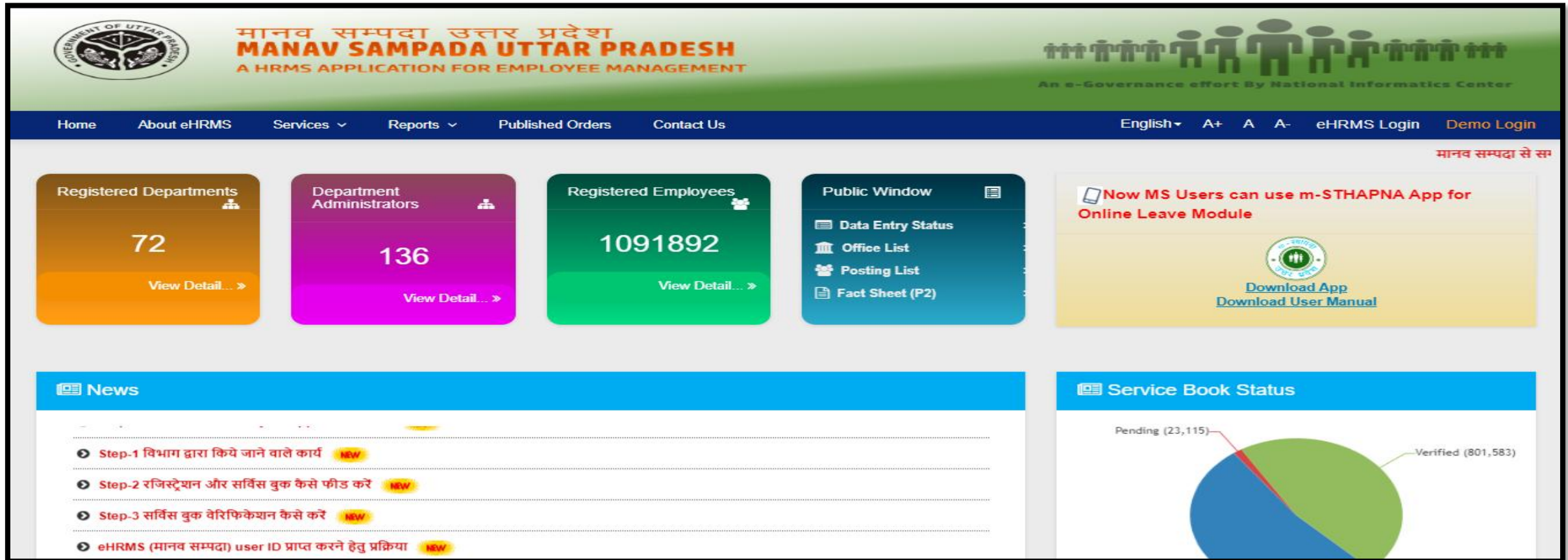


After

94% saturation of infrastructural facilities



Manav Sampada portal - Transparent teacher recruitment and deployment



- Appointment of 1.64 lakh teachers
- Rational deployment of teachers 66,000+ teacher transfers completed
- IT solutions for teachers from recruitment to retirement

Teacher capacity building: Blended mode

Teacher Training



**300 master trainers,
4400+ mentors,
7 Lakh teachers trained**

Mentoring



**Mentor cadre of
75 SRGs,
4400+ ARP and
1200+ DIET Mentors**

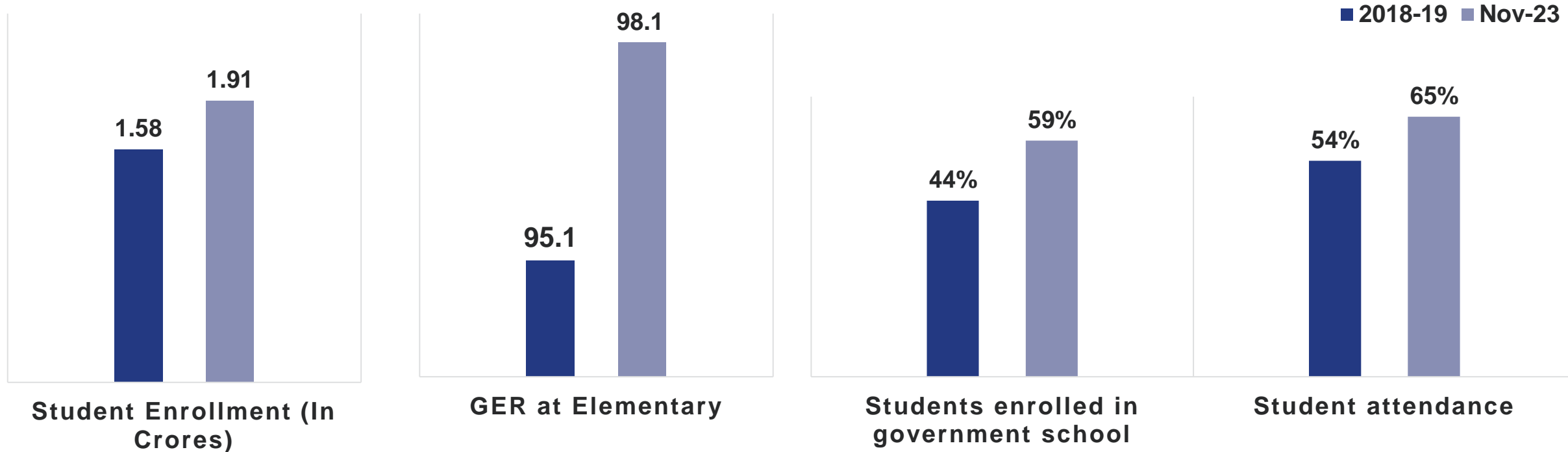
Shikshak Sankul



**40,000+ Shikshak
Sankuls**

1.75 Lakh visits by 5,000 mentor cadre/month & 9,000 cluster level monthly meetings

Outcomes achieved by Uttar Pradesh through Operation Kayakalp



Learning Outcomes:

- 45 % NIPUN Students
- 9310 NIPUN Schools

Convergence approach to enable Ease of School Education

S. No	Project Name	Area of School Education
1	Infrastructure upgradation through financial convergence with all Department schemes	Access and Retention
2	Digitizing teacher establishment issues and Rational deployment through Manav Sampada portal	Education Governance
3	Improving learning outcomes	Education Quality and Learning Outcomes

Open House Discussions

**Way Forward
by
Chief Secretary - Gujarat**

Actionable Areas




- 100% students achieve **Foundational Literacy and Numeracy**

by 2026

- **Achieve 100% GER** (Preschool to Secondary and above)

by 2030

**Current
Status**

	Access*	Enrolment	Retention	Quality
Elementary Level	 96.7%	 100.1%	Need to Focus 81.2%	Need to Focus Avg. 50%
Secondary Level	 95.4%	Need to Focus 79.6%	Need to Focus 64.7%	Need to Focus Avg. 38%

**Availability of schools in/nearby habitation*

Collective Way Forward for All

Optimizing Basic School Infrastructure

Key Infrastructure	Saturation achieved	Way Forward
Saturate basic Infrastructure like Electricity, Water and Sanitation and other necessities	92% - 98%	March 2025

Achievement through **Whole of Government** Strategy and
Convergence of Funds

Crafting Aspirational Schooling Systems

Aspirational Infrastructure

Developing **School Complexes** & Clusters including additional Classrooms, Computer Labs, STEM Labs etc.

(approx. 75% Students study in 33% schools)

Way Forward

March 2028

- **PM SHRI Schools** as a Role-model
- Leverage the mapping of **PM Gatishakti** platform for school education sector

Education with Digital and AI-Driven Ecosystems

Strengthening Service Delivery through Technology



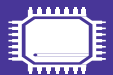
Student-wise tracking through **APAAR-ID** using **Vidya Samiksha Kendra (VSK)** and ensure **100% transition** to Secondary and above grades

**March
2025**



Leverage **technology** for easing admission and examination procedures, and encourage use of **Digi Locker** for maintaining educational records

**March
2025**



Leverage Technology / AI to monitor and enhance quality of school education

**March
2025**

Leverage usage of **VSK-based NDEAR platform** for school education sector

Nurturing Teachers for Transformative Education

Ensuring **availability** as well as **Capacity Building of Teachers**



Portal-based transparent recruitment, deployment and accountability of teachers for smooth functioning

March
2025



Deploy **AI based** attendance system for ensuring availability of teachers

March
2025



Enhance **self-paced learning** and promote use of **PM eVIDYA** and **DIKSHA** as a Digital eLearning platforms and as a pedagogical classroom tool

March
2025

A stress-free haven for students in schools

Transformation of school into a joyful experience for Students



Provide **Social-Emotional learning** through psychological support **for enhancing life skills** and cultivating resilience and agility

March
2025



Strengthen Vocational Education through Career Counselling and internships & exposure through industry-linkage

March
2025



Cultivate collaboration and communication abilities for **enhanced peer to peer learning**

March
2025

Providing access to safe, secure and inclusive quality education

Future-Ready Students

Develop every child as a responsible Global Citizen rooted in Indian Culture and Knowledge System



Make students **21st century ready** with at least one skill through **Vocational Education** in Secondary Schools and above

**March
2027**



Promote **experiential learning** to foster creativity and innovation among students

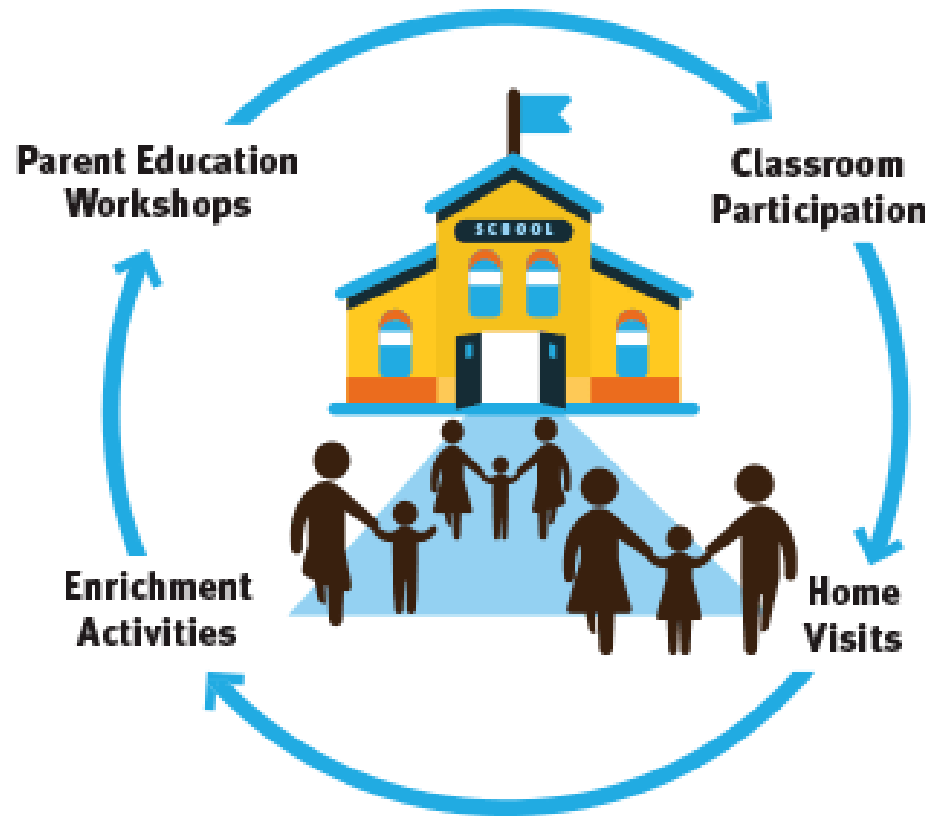
**March
2027**



Nurture **global awareness and multicultural understanding** to promote empathy and social responsibility

**March
2027**

Parents and Community: Key Enablers



- **Parents' continuous involvement** can be improved through systematic counselling
- **Community involvement** in school affairs can be improved through Tithi Bhojan, celebrating Shaala Sthapana Din, Independence Day, Republic Day etc.

Way Forward: India's vision for School Education

Our Actions will develop lifelong learners to thrive in the 21st Century towards achieving our goals of **Viksit Bharat!**



“Ease of Schooling” leading to *Ease of Living!*

An aerial photograph of a school courtyard. A large group of students in light blue uniforms are standing in neat rows in the center of the courtyard. Several adults, likely teachers, are scattered around the perimeter of the group. The courtyard is surrounded by a two-story red brick building with a series of arches on the upper floor. In the background, a dense urban area with various buildings is visible under a hazy sky. The text "Thank You" is superimposed in the center of the image.

Thank You