



**NATIONAL CONFERENCE
OF CHIEF SECRETARIES**

Government of India



5th National Conference of Chief Secretaries

27th December 2025

SCHOOLING: BUILDING BLOCKS

**HUMAN CAPITAL FOR
VIKSIT BHARAT**



“

“The vision of Investment in People is based on 3 pillars: Education, Skill and Healthcare”; increasing investment in these sectors will contribute to actualizing the dream of Viksit Bharat”

- **Post-Budget Webinar, March 5 2025**

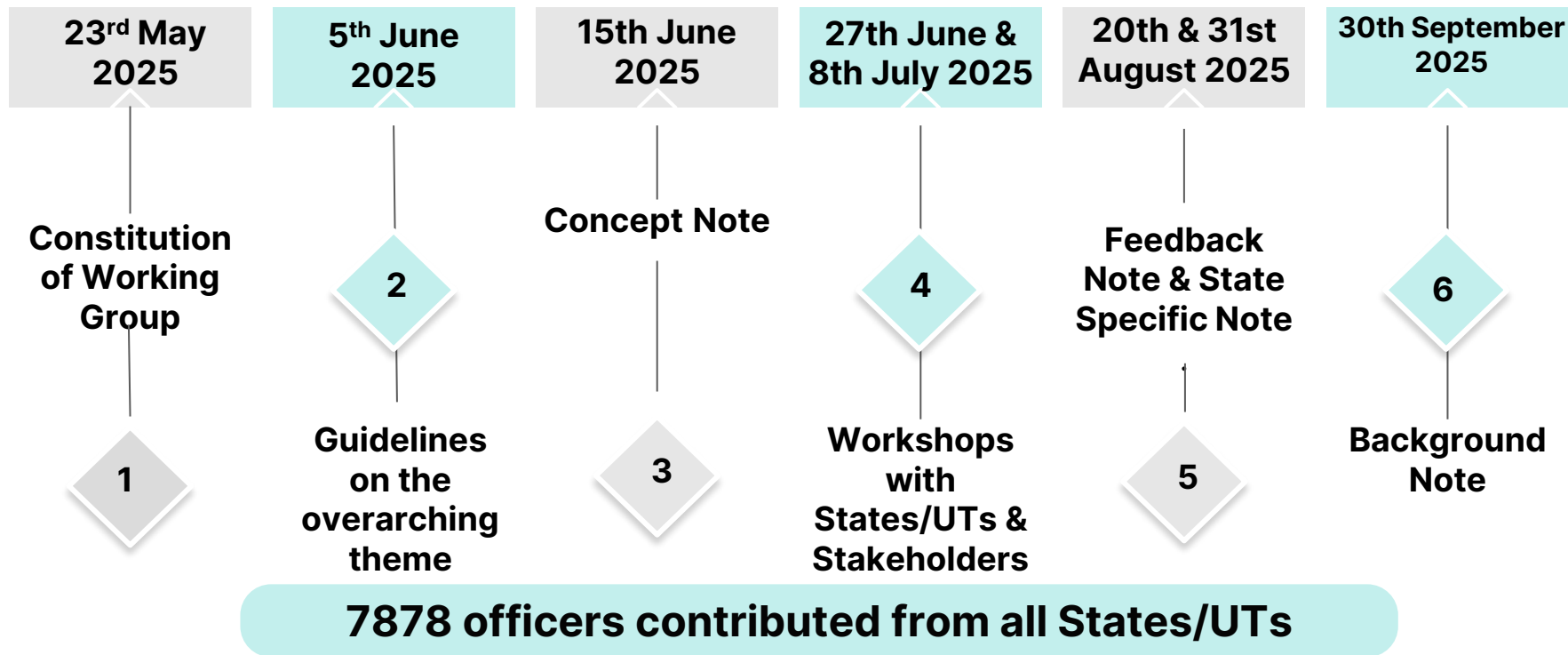
”

Hon'ble Prime Minister Shri Narendra Modi

Session Plan

Session	Moderator/Topic	Time (in minutes)
Context Setting	Secretary, DoSE&L	15
Film	Schooling: Building Blocks	5
Ground Stories	<ul style="list-style-type: none">▪ Satara, Maharashtra▪ Assam▪ Andhra Pradesh	30
Open House	Open House Discussion	15
Summary	Chief Secretary, Rajasthan	10

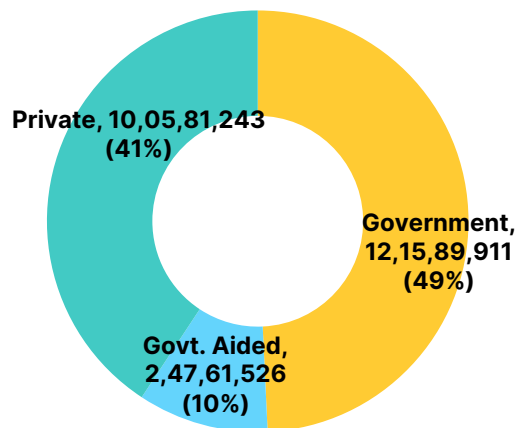
Approach – Working Group Consultations



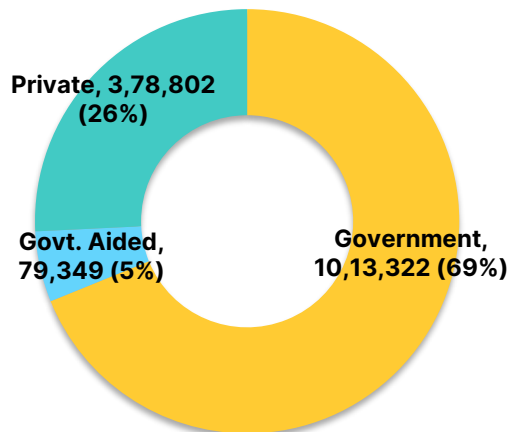
School Education at a Glance: (UDISE+ 2024-25)



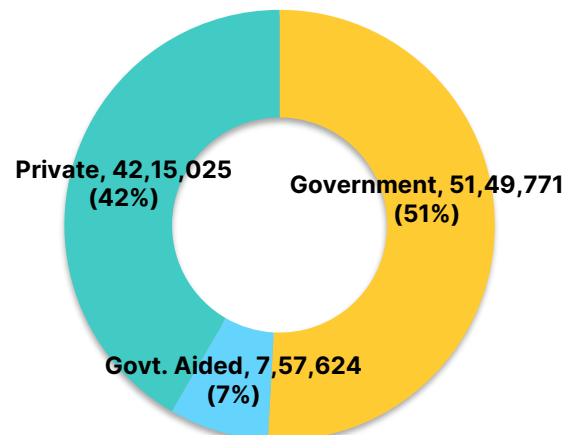
**24.69 Crore
Students**



**14.71 Lakh
Schools**



**1.01 Crore
Teachers**



- | | | | | |
|---|--------------------------|--------------------|---------------------|----------------------|
| ✓ | Government: | 69% schools | 49% students | 51% teachers; |
| ✓ | Government Aided: | 5% schools | 10% students | 07% teachers; |
| ✓ | Private : | 26% schools | 41% students | 42% teachers |

Schooling : Tapping into the potential

- **Large and Growing Population:** Largest total population at 145.1 crores in 2024, projected to grow to 166.7 crores by 2047.
- **Significant Young Population:** 26.94% of its population in the 3 to 18 years age group - a potential large workforce.
- **HDI-Education Index:** A lower HDI-Education Index (0.372) highlights the need to prioritize:
 - ✓ Increased access to quality education & greater educational attainment
 - ✓ Promoting skill development/ reskilling & upskilling

Country	2024				2047		
	Population (in crores)	Population in age group 3 - 18 years (crore)	% share of 3 - 18 years population	HDI-Education Index (2025)	Population (in crores)	Population in age group 3-18 years (crore)	% share of 3 - 18 years population
India	145.1	39.1	26.94	0.372	166.7	33.6	20.14
China	141.9	26.7	18.78	0.626	128.9	13.5	10.44
Russia	14.5	2.7	18.97	0.768	13.7	2.2	15.72
Brazil	21.2	4.6	21.59	0.611	21.9	3.6	16.39
Japan	12.4	1.6	13.19	0.805	10.7	1.3	11.87
Germany	8.5	1.3	14.92	0.922	7.9	1.1	13.76
Indonesia	28.3	7.5	26.55	0.575	31.9	6.7	21.11
USA	34.5	6.7	19.39	0.882	37.8	6.5	17.14

Source: UN Population Division

Thematic Areas



Basic Skills:
Focus on Foundational
Literacy & Numeracy

**Outcome
Based
Universal
Education**

**Ever increasing
Quality for All**

Ongoing Initiatives 1/6



समग्र शिक्षा
Samagra Shiksha



Basic Skills (Foundational Stage)

1. **NIPUN Bharat Mission** for universalizing Foundational Literacy & Numeracy
2. **Vidya Pravesh**, 3 Months Play Based School Preparation Module
3. **Learning Teaching Material, Jadui Pitara/ e-Jadui Pitara** in 22+1 languages.
4. **Textbooks for Grades 1 & 2** translated in 22+1 languages
5. **Holistic Progress Card for Foundational Stage**



Ongoing Initiatives 2/6



समग्र शिक्षा
Samagra Shiksha



Basic Skills (Foundational Stage)

1. **PM POSHAN extended to Balvatika.**
2. **Age of admission in Grade 1 as 6 years** in 30 States/UTs.
3. **Strengthened Convergence with WCD:**
 - **Balvatikas or Co-located Anganwadis in 52.79% Government & Aided Schools.**



Ongoing Initiatives 3/6

Outcome Based Universal Education

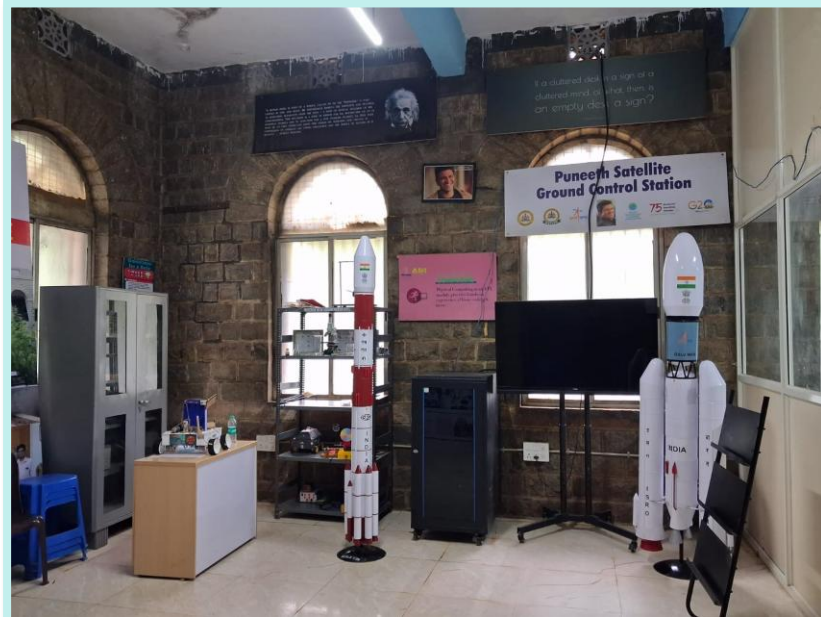
1. **Equivalence of Boards for Curriculum & Assessment** through PARAKH.
2. **Introduction of two Board Examinations** by CBSE.
3. **Preparing the youth for 21st Century Skills:**
 - **10 Bagless Days** for hands-on experiential learning
 - **Career Guidance Book** with 500 pathways
 - **My Career Advisor App** with 1800+ job roles



Ongoing Initiatives 4/6

Outcome Based Universal Education

1. **APAAR ID** - Aadhaar linked unique lifelong digital identity for school enrolled learners.
2. **PM e-Vidya:**
 - 200 TV Channels
 - DIKSHA
3. **Vidya Samiksha Kendra** for AI & APAAR enabled large analytics of educational health.



ATL lab, Government High School
18th Cross Malleswaram, Bengaluru

Ongoing Initiatives 5/6

Ever
increasing
Quality for
All

1. **National Curriculum Frameworks.**
2. **New textbooks for Grades I to VIII & Grade wise Teacher Handbook.**
3. **121 Primers** in Bharatiya Bhasha.
4. Innovation through **Atal Tinkering Labs.**
5. **Exemplar Initiatives:** PM SHRI & Prerana



Ongoing Initiatives 6/6

**Ever
increasing
Quality for
All**

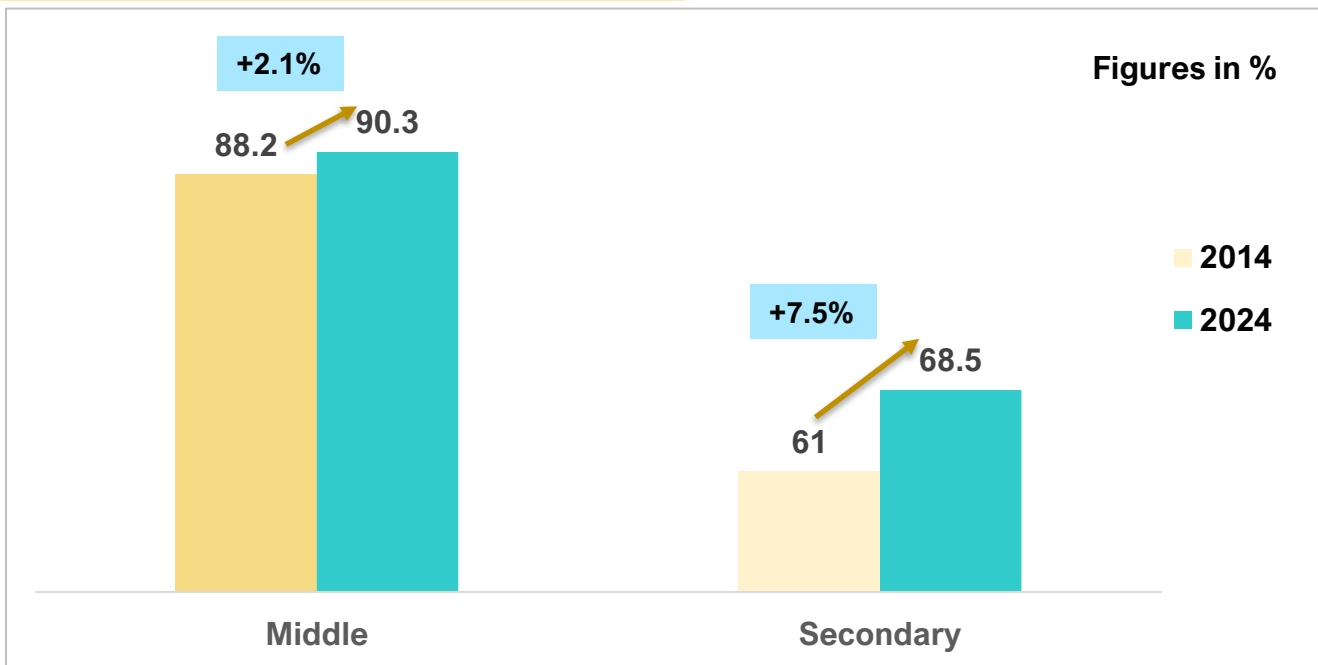
1. Empowered teachers:
 - 50 hours Continuous Professional Development of Teachers
 - Integrated Teacher Education Programme (ITEP)
 - National Professional Standards for Teachers (NPST)
 - National Mission for Mentoring (NMM)

2. Tithi Bhojan as Jan Bhagidari.



Decadal achievement of school education (2014 - 2024) 1/4

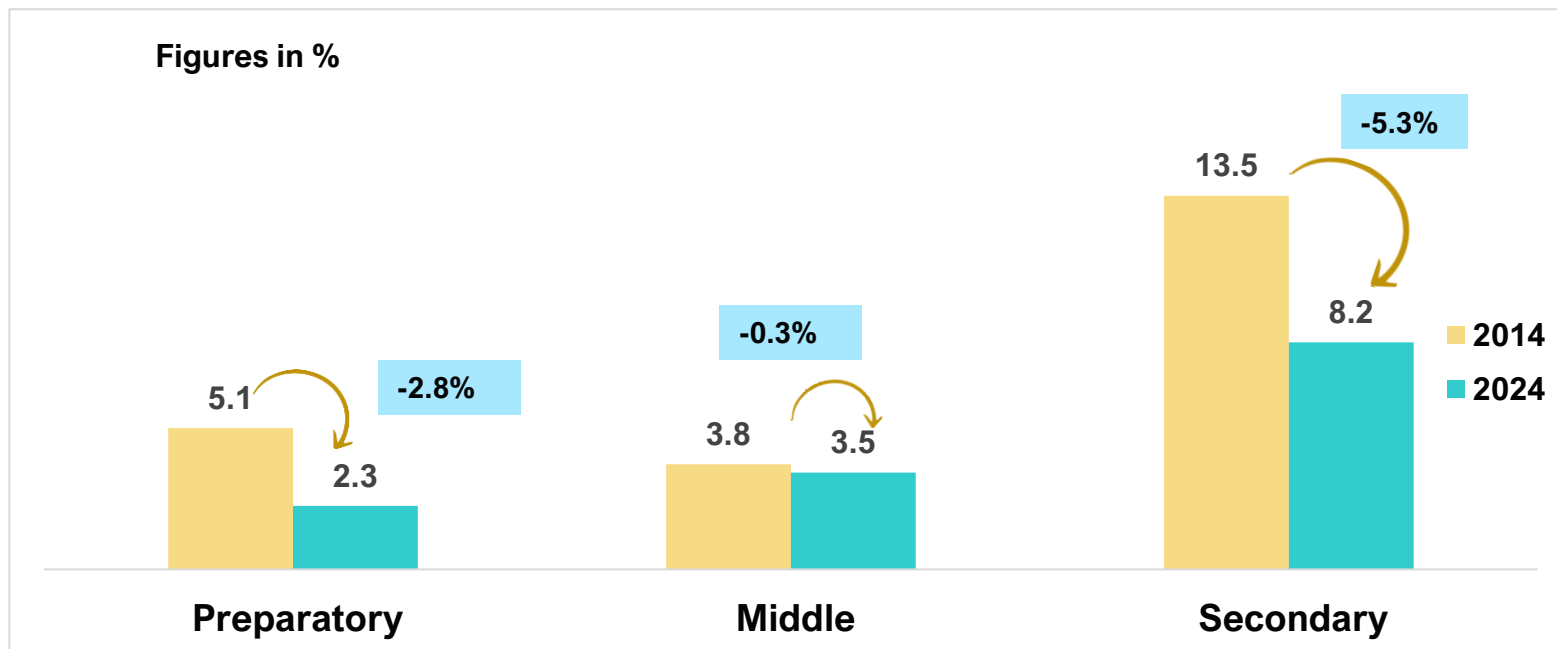
Gross Enrollment Ratio (GER)



Source: UDISE+

Decadal achievement of school education (2014 - 2024) 2/4

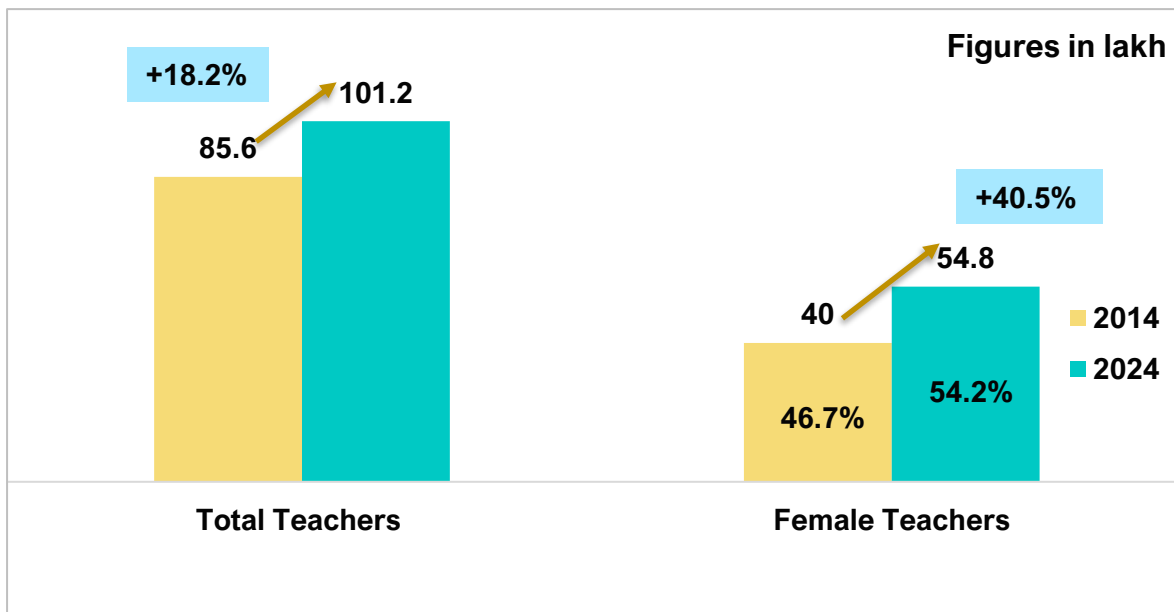
Drop Out Rate



Source: UDISE+

Decadal achievement of school education (2014 - 2024) 3/4

Number of Teachers

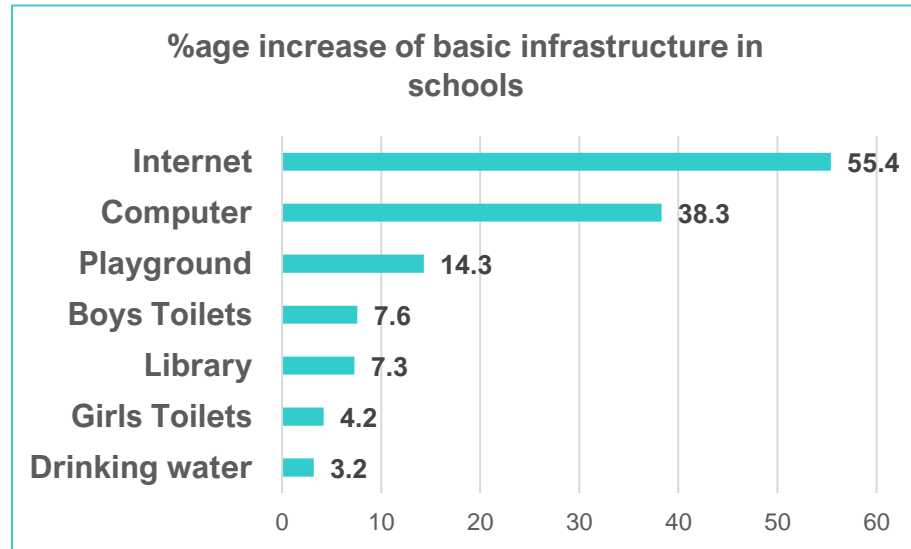


Source: UDISE+

Decadal achievement of school education (2014 - 2024) 4/4

%age of availability of basic infrastructure in schools

Indicators	2014	2024	% Increase
Drinking water	96.1	99.3	3.2
Girls Toilets	93.1	97.3	4.2
Library	82.2	89.5	7.3
Boys Toilets	88.6	96.2	7.6
Playground	68.7	83.0	14.3
Computer	26.4	64.7	38.3
Internet	8.1	63.5	55.4



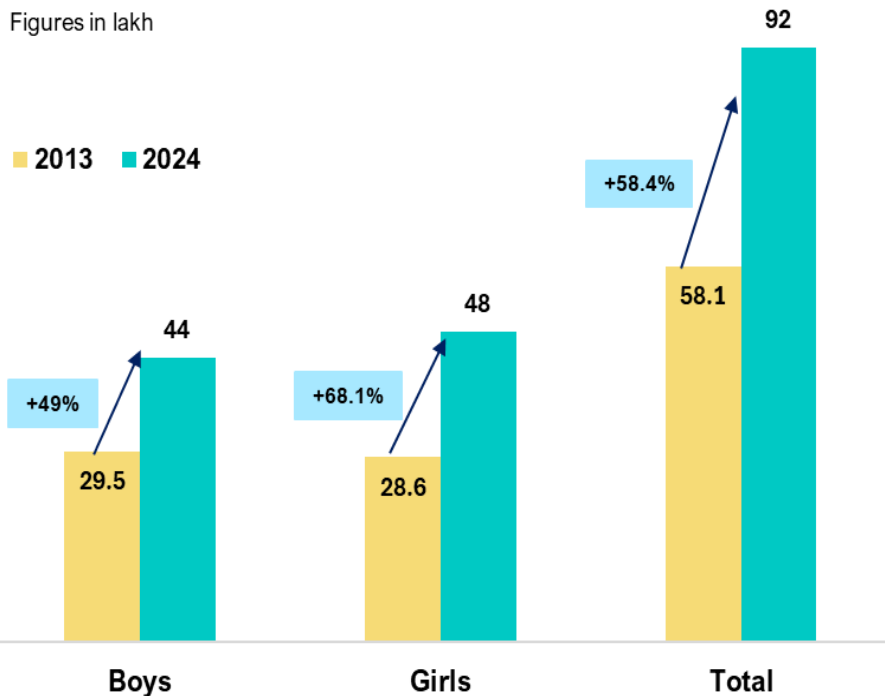
Source: UDISE+

Significant improvement in performance of students pass out

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

Figures in lakh

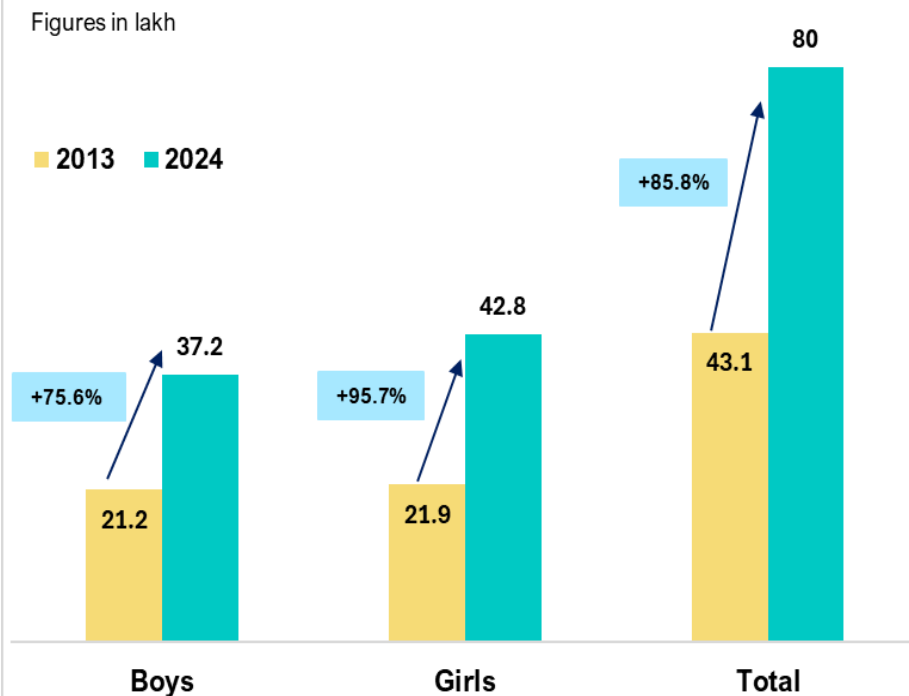
2013 2024



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

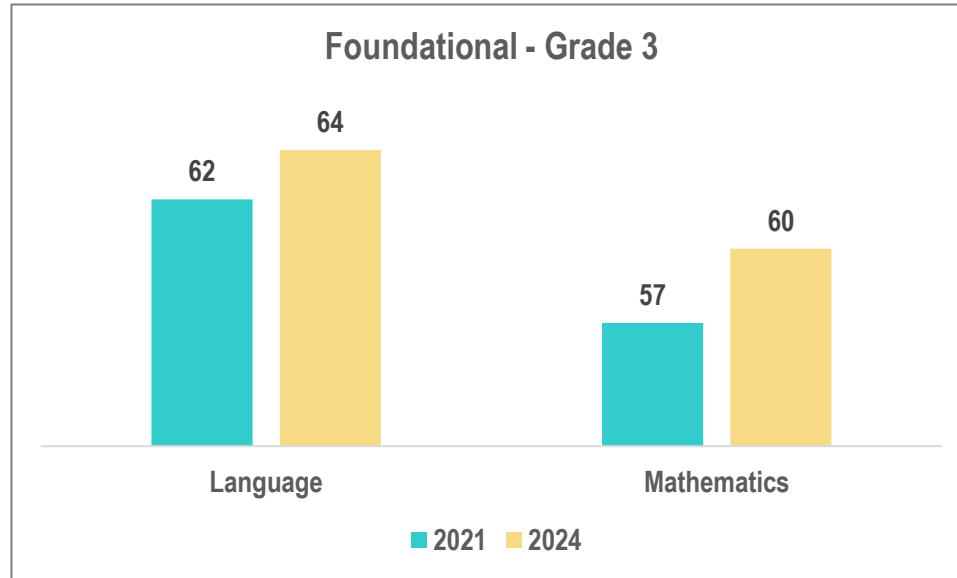
Figures in lakh

2013 2024



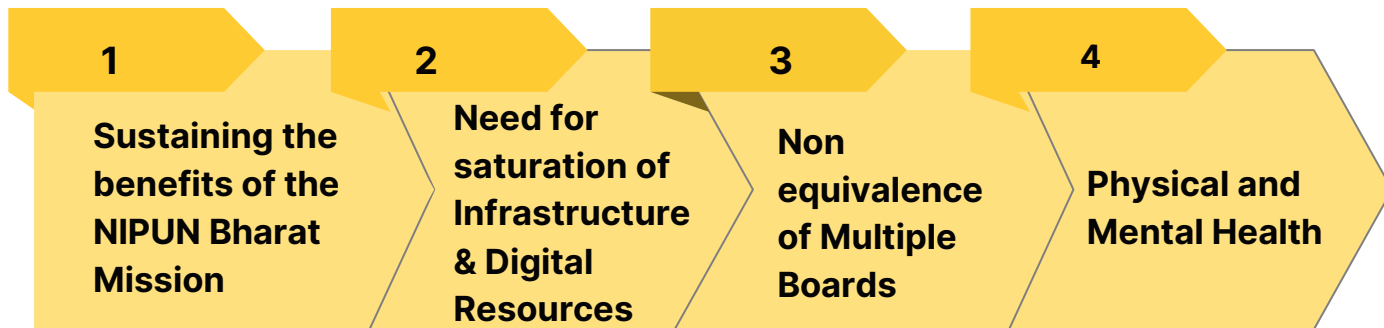
PARAKH Rashtriya Sarvekshan 2024 vs National Achievement Survey 2021

National Performance – % Correct

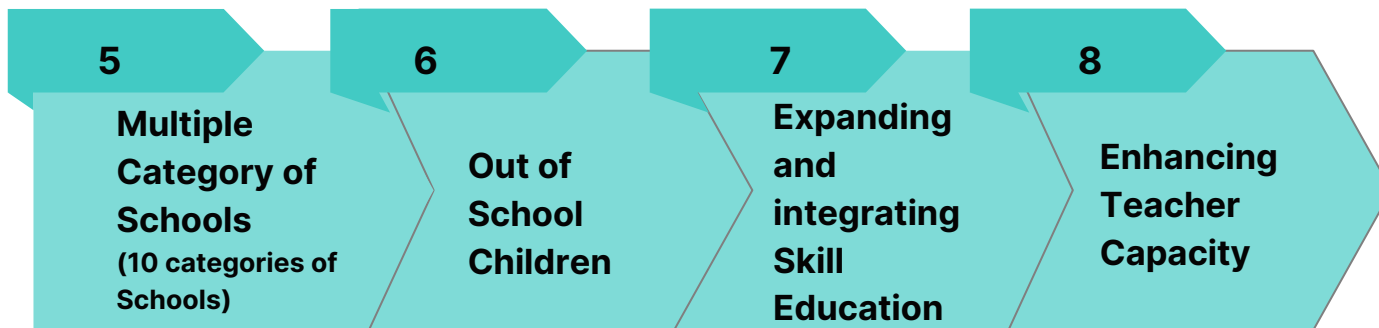


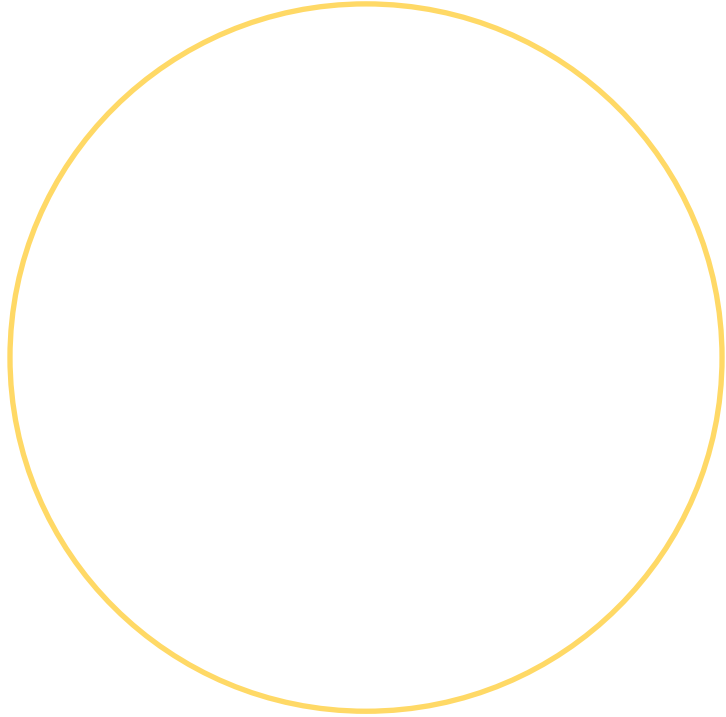
Government schools and rural schools demonstrated better outcomes in PARAKH Rashtriya Sarvekshan 2024 indicating positive impact of the NIPUN Bharat Mission at the foundational level.

Issues



Challenges





Film



नींव – Schooling: Building Blocks



Ground Stories from **SATARA,** **MAHARASHTRA**



Satara Zilla Parishad

माझी शाळा आदर्श शाळा

Mazi Shala Adarsh Shala

**Initiatives for Infrastructure Upgradation and Enhancing
Learning Outcome in Government Schools**

**Satara Zilla
Parishad,
Government of
Maharashtra**

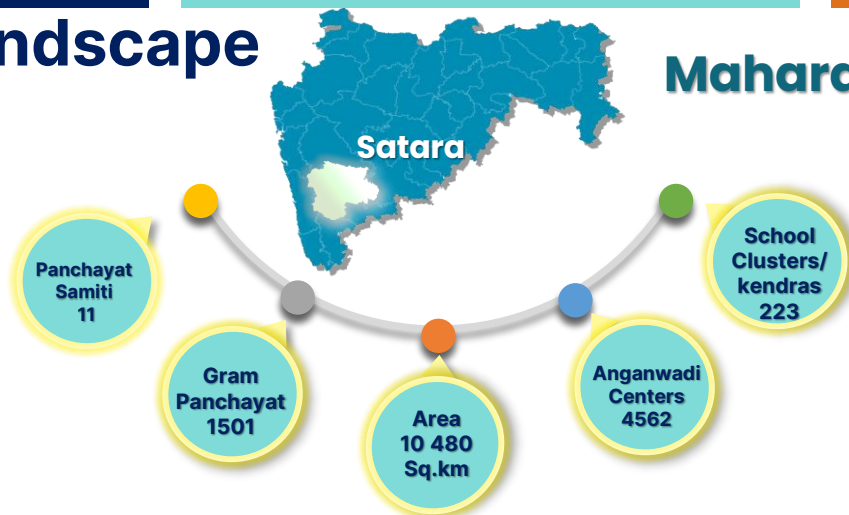
"Let noble thoughts come to us from all sides."

- Rigveda

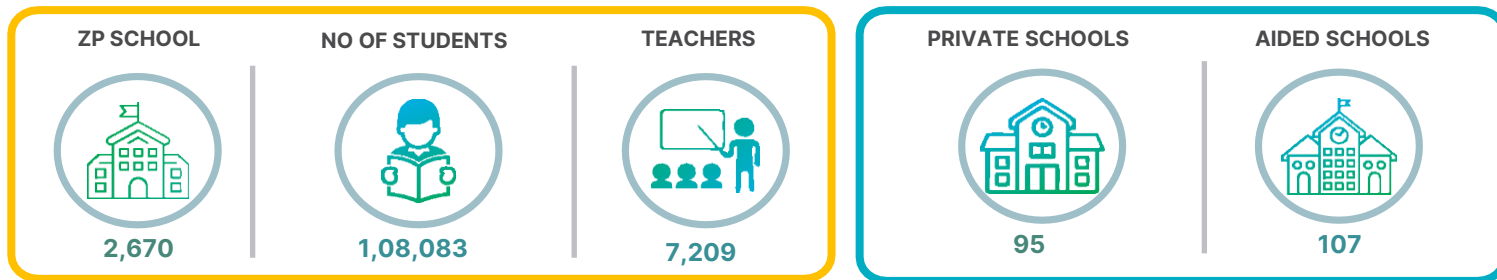


Education Landscape

Maharashtra



Satara District Population 30.04 lakhs as per 2011 census



Primary Education Scenario in Satara

Mazi Shala Adarsh Shala Abhiyan: 3 Important Components

Infrastructure Upgradation



Educational Quality



Public Participation



Infrastructure Facilities



Classroom and laboratories



Sanitation and hygiene facilities



Other basic facilities in convergence

01



July, 2023

50 Schools

02



Apr, 2024

223 Schools

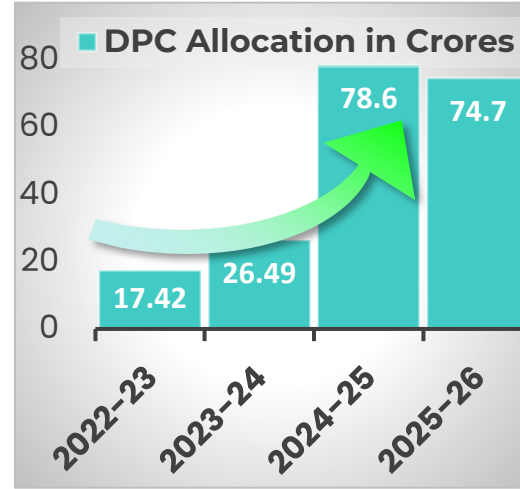
03



Apr, 2025

446 Schools

Infrastructure Upgradation: 15% of District Planning Funds

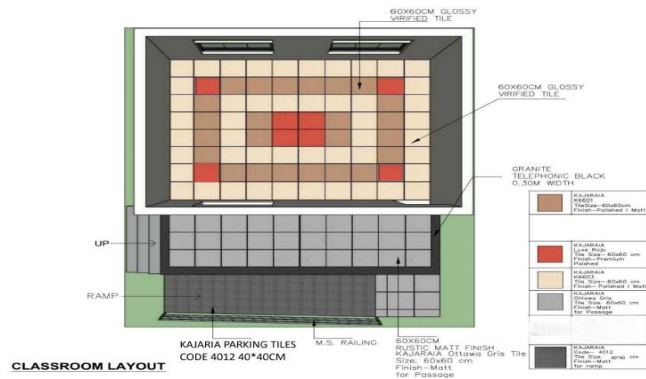


Source of Funds

- District Planning Funds (DPC)
- Zilla Parishad Funds
- Other Plan Funds : Mining funds, SSA etc.



Standardization of Infrastructural Components: Quality & Accountability



Classroom Layout



Completed Classroom



Regular Review



Social Audit



Toilet Specifications



Handwash Station Before and After

Infrastructure Upgradation: In Convergence

Coordination and Convergence



Education
Department



Public Work
and Sports
Department



Rural Water
Supply &
Sanitation
Department



Village
Panchayats

Convergence Works (Rural Development Dept.)



Compound Walls

Total Expenditure: 16.29 Cr



Rainwater Harvesting

Total Expenditure: 1.97 Cr



Sports Ground

Total Expenditure: 2.60 Cr



Paver Blocks

Total Expenditure: 10.88 Cr

Infrastructure Upgradation: Jan Bhagidari & SMC Strengthening

Jan Bhagidari and CSR

- 31000+ Educational meetings across villages
- Amount raised : 15.84 CR

School Management Committees

- Timely elections
- Regular Meetings
- Shaishanik Gram Sabhas

IMPACT - 2670 ZP Schools

01 

100% Schools CCTV Coverage

02 

70% schools digitized

03 

80% schools library equipped

04 

70% schools RWH structure installed

05 

10% schools solarized



मिशन सातारा दूधी
DRISHTI - Digital Rakshan Initiative for School Training & Inspection

100% CCTV
in all Zilla Parishad schools.

Satara is the first education safe district in Maharashtra to install CCTV in all schools on a large scale through public participation.

100% safe schools of Zilla Parishad through Public Participation

6 cr Funds

With the co-operation of all...
- Public participation
- 15th Finance Commission
- Gram Panchayat Swamithi

Initiatives for better learning outcomes (1/2)



**Annual
Education
Planner
And Calendar**



17 Thematic Committees,
450+ Teachers, regular reviews



**Early
Childhood Care
and Education**



- Ankur Bal Prashikshan Curriculum Developed
- 1 lakh+ Anganwadi children covered,
- 4500+ Sevika DIET trained



**Strengthening
Elementary
Education:
SAS + Scholarship**

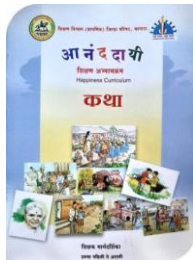
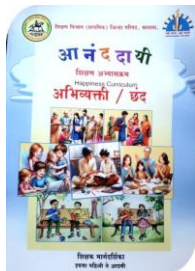
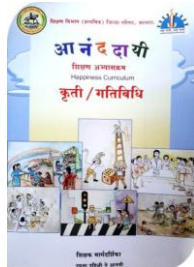
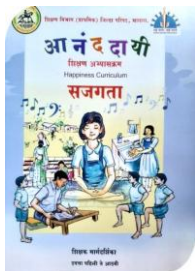


1 lakh+ children monthly assessed
Scholarship Examinations

Initiatives for better learning outcomes 2/2



**Happiness
Curriculum:
Activity based
learning**



**Co Curricular
Activities: Literature,
Sports & Holistic
Development**



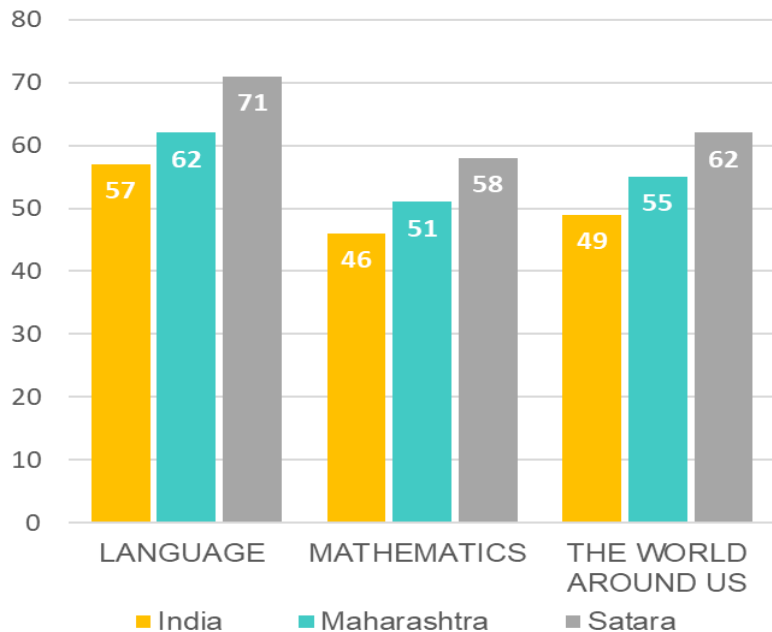
**Teacher
Training and
HR
Management**



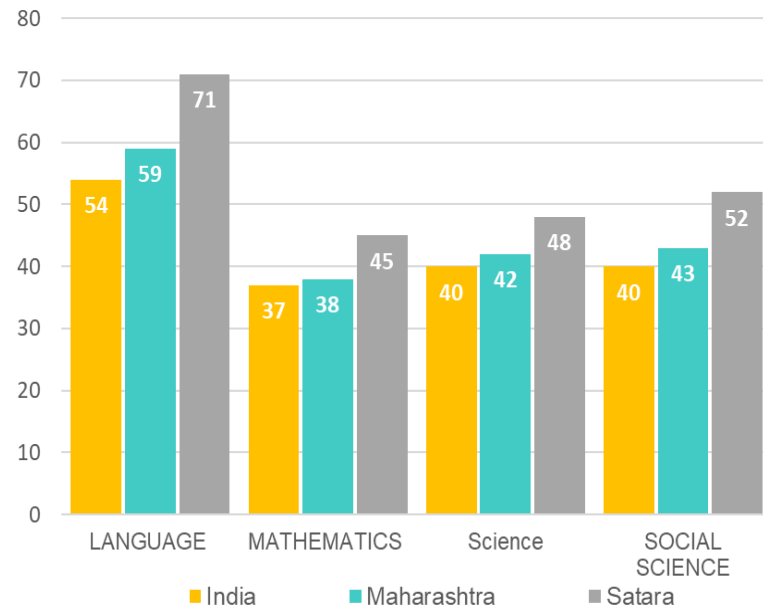
**Timely Service Benefits,
Zero Pendency,
Zero Grievances**

PARAKH Rashtriya Sarvekshan 2024 – Satara District Performance

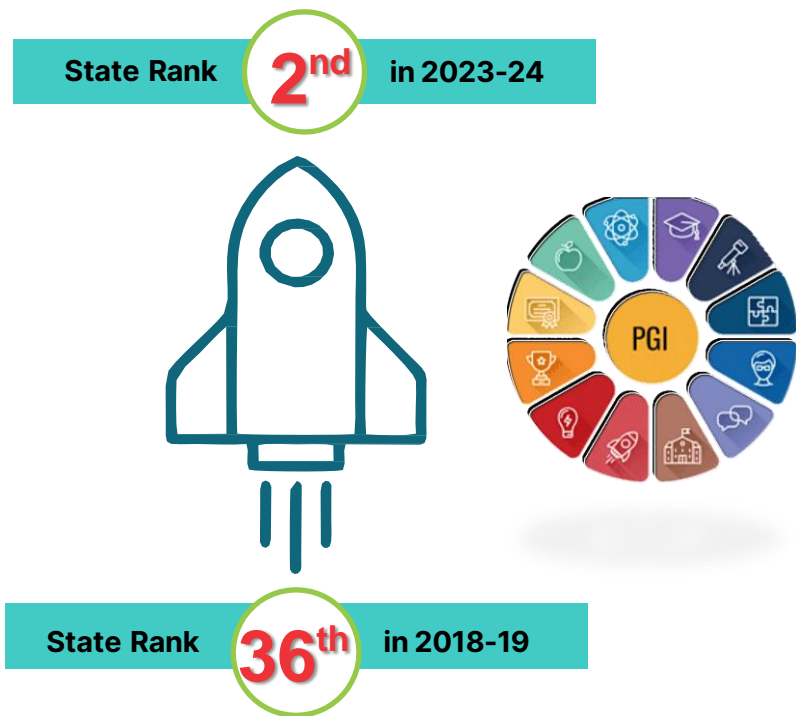
Preparatory Stage



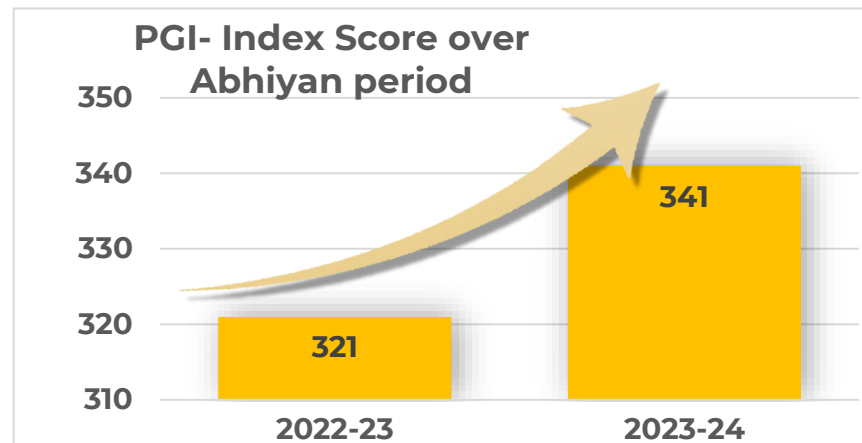
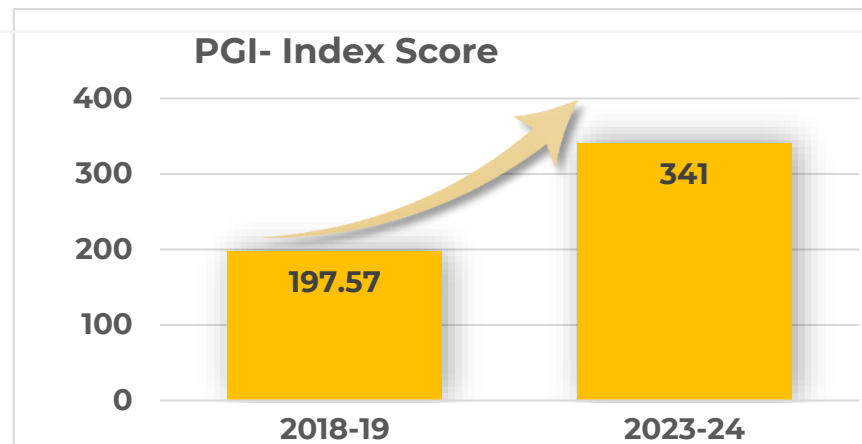
Middle Stage



Overall Impact: Satara District in Performance Grading Index 2023-24



Maharashtra Govt. issued prescriptive guideline for upgradation of School infrastructure through this convergence approach.





Ground Stories from **ASSAM**

**Government
of Assam**



Transforming Education in Assam: AI and Digital Technologies meet in Classroom

- **Shiksha Setu, AXOM**
- **Teachers Transfer Management System**
- **Assam Career Guidance Podcast program**

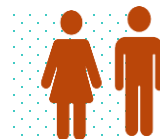
The Education Landscape of Assam



Schools
(55,283)



Students
(70.41 L)



Teacher
(3.40 L)

Profile*

No. of Districts

35

Total
Population

3,12,05,576

GER – Lower Primary

108.1

90.9

Assam

National Avg.

GER – Upper Primary

91.1

90.3

Assam

National Avg.

GER – Secondary

79.6

78.7

Assam

National Avg.

*Census 2011 and UDISE 2024-25

1. Shiksha Setu

Key Service Delivery Gaps



Schools

- **Absence of** teacher's, student's and school's registry
- **Teacher's transfers** occur regardless of PTR



Students/ Parents

- **Difficult and time consuming student transfer process** from one school to another.
- **Non availability of Subject wise teachers**



Teachers

- Involvement in **non-academic activities**
- **Delay in leave approvals**



Department/ Administration

- **Ghost enrollments of students**
- **Proxy teachers** and their **unauthorized absence**
- **Lack of Real Time Data** for planning

Unique Feature of Shiksha Setu

- The app is based on **AI driven facial recognition** technology, **predictive analytics** and **digital technologies**
- App works on **Android devices**

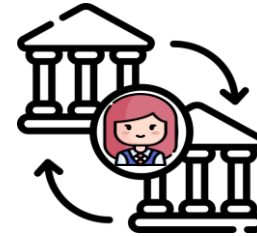
1. AI-Powered Facial Recognition



2. Predictive Analytics



3. Digital Technologies





SHIKSHA SETU
AXOM

Shiksha Setu

**AI-Powered Facial Recognition
technology for attendance of
students and teachers**

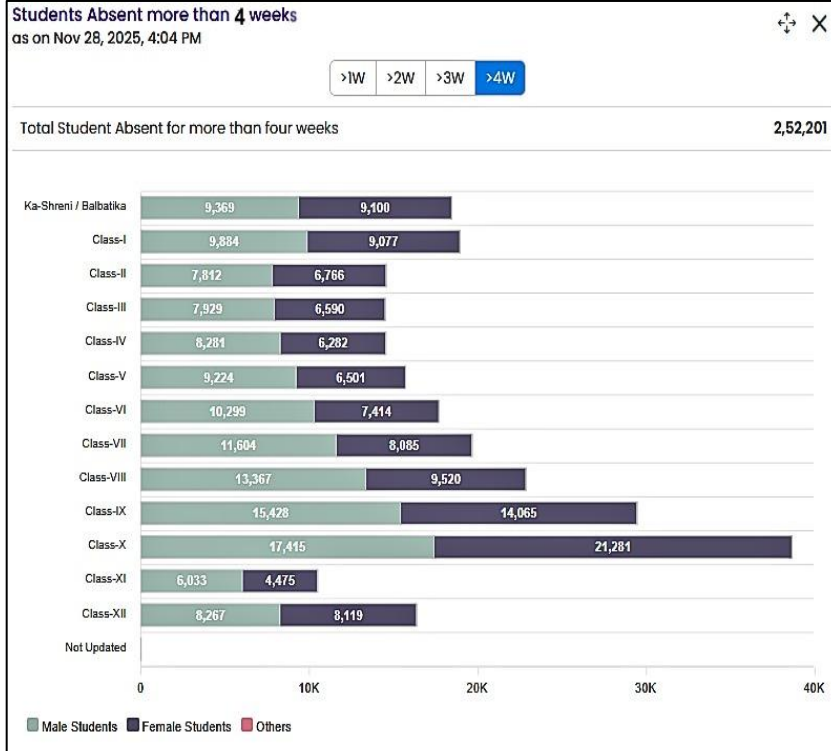


- AI based facial recognition
- Geo fencing
- Individual and Group attendance
- Real Time (HH: MM: SS)
- Works Offline / Flight mode

50+ Lakh Students and teachers mark their attendance through Shiksha Setu everyday

Shiksha Setu: Predictive Analytics

Early dropout identification



❖ Students:

- **Early dropout identification-** identifies students who have been absent for 1, 2, 3, or 4 weeks.

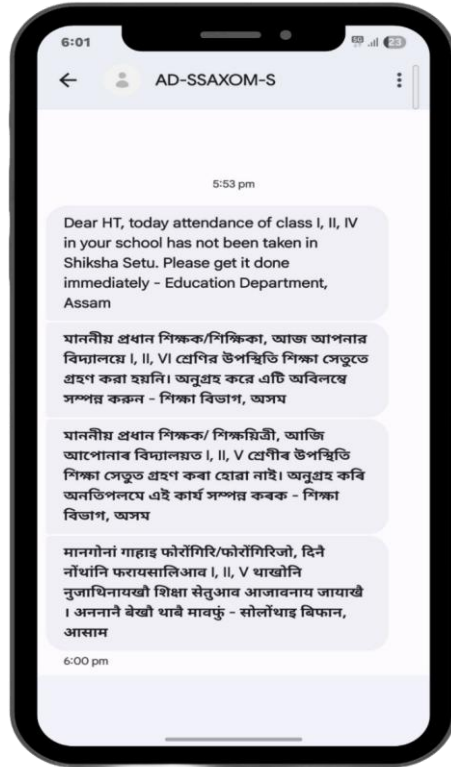
❖ Teachers

- **Rationalization-** to determine potential transfers.
- **Retirement analysis:** Helps in timely recruitment

❖ School:

- **Proposed Amalgamation-** Identify schools suitable for amalgamation in nearby schools.

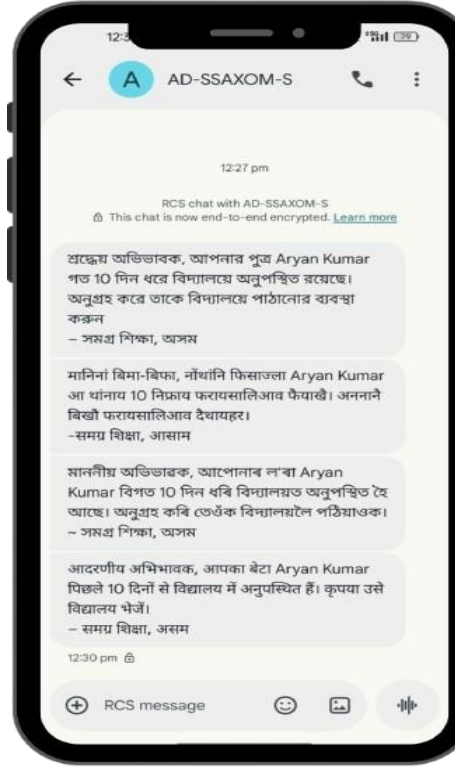
Message to Headteachers, Teachers, Parents & District (DC): Ensuring Student attendance



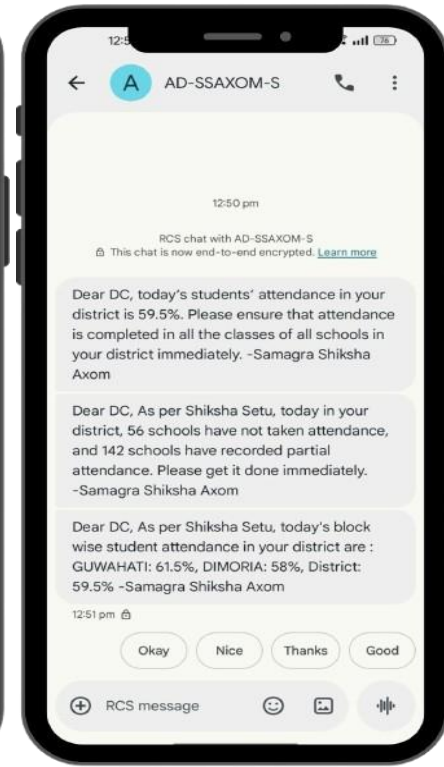
Message to Headteacher



Message to Class Teacher



Message to Parents



Message to DM /
District Education Officer

Impact of Shiksha Setu

01

Amalgamation

1529 schools merged / amalgamated in the last two years based on Shiksha Setu data analytics

02

Ghost Students

Over **3 lakhs** ghost students were identified and removed , leading to annual savings of about **₹90 crore** on textbooks, uniforms, and mid-day meal etc.

03

Online Student Data

Online and **hassle-free transfer** of data of **12 lakh+ students** from one school to another school at the time of their migration

04

Teachers Rationalization

2,700 teachers rationalized using predictive PTR analytics for equitable distribution

05

Proxy Teachers

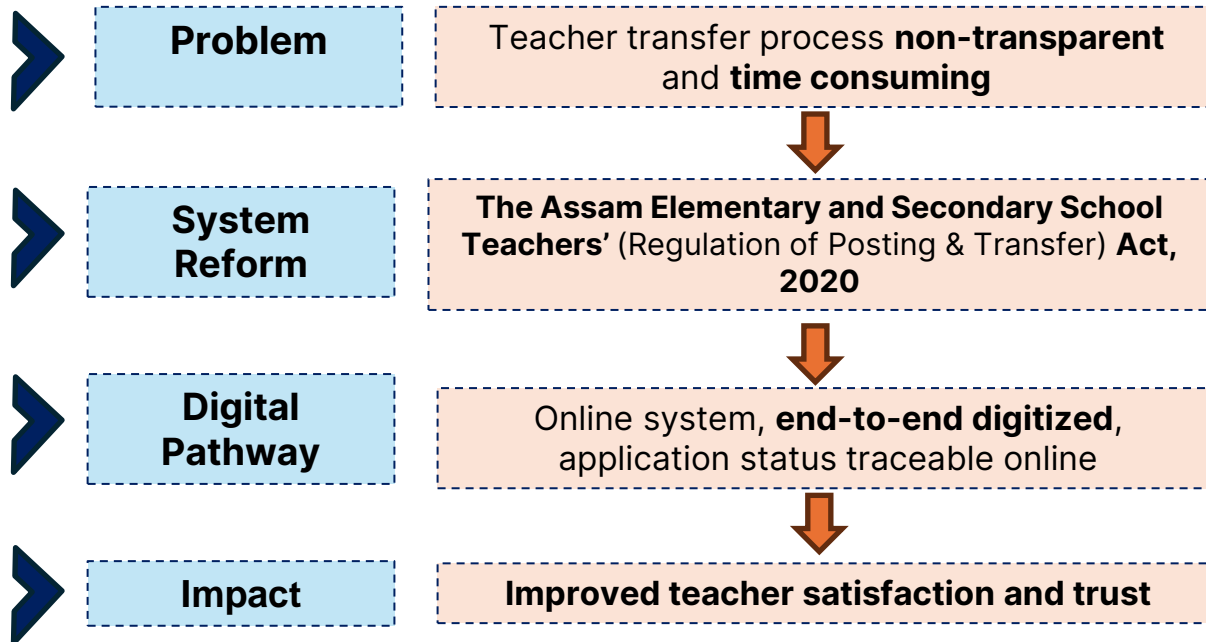
AI-powered facial recognition ensures accurate teacher's attendance and **no more proxy teachers and their unauthorized absenteeism**

06

Leave Management

21.43 lakh+ teacher **leave applications** processed seamlessly online

2. Teachers Transfer Management System



Summary of Transfers (2023-24 to 2025-26)	
Metric	Value
Total Mutual Transfers	30,902
Total Single Transfers	11,162
Grand Total	42,064

3. Assam Career Guidance Podcast programme: Where Guidance generates Hope

For students across Assam — especially from **rural and underserved areas** — helping them dream bigger and make informed choices.

1. **Podcasts** introduce **diverse career paths** through inspiring stories from **real achievers**

2. **Centralized Tele-Education Studio** ensures **high-quality production** and **statewide telecast**.

3. **Broadcasted in** Schools having **Tele-Education** and **Smart Classrooms facilities**. Recorded sessions uploaded on **website** and **YouTube**.

Scalable innovation



2854

Tele-education
schools



7297

Smart Classroom

Transformative reach (Upper Primary-Senior Secondary)



296 PM SHRI
Schools



9855 Non
PM SHRI
Schools



20.08 Lakh
Students



Career Paths Explored So Far



*Session with Olympic Medalist
Ms. Lovlina Borgohain*



*Session with an **IIT Guwahati**
Student on JEE/CEE*



*Session with a **Successful**
Entrepreneur*

1. Medical - NEET

2. Engineering-JEE

3. Lawyer-CLAT

4. Civil Services

5. Teacher/Professor

6. Banking

7. Management

8. Nursing

9. Entrepreneurship

10. Sports

Impact of IT initiatives



School

- Availability of **Student, teachers and school registry**
- **PTR-based teacher posting**



Students

- **Smooth** and **fast** students transfer and admission from one school to another
- Access to **career guidance** for informed career choices



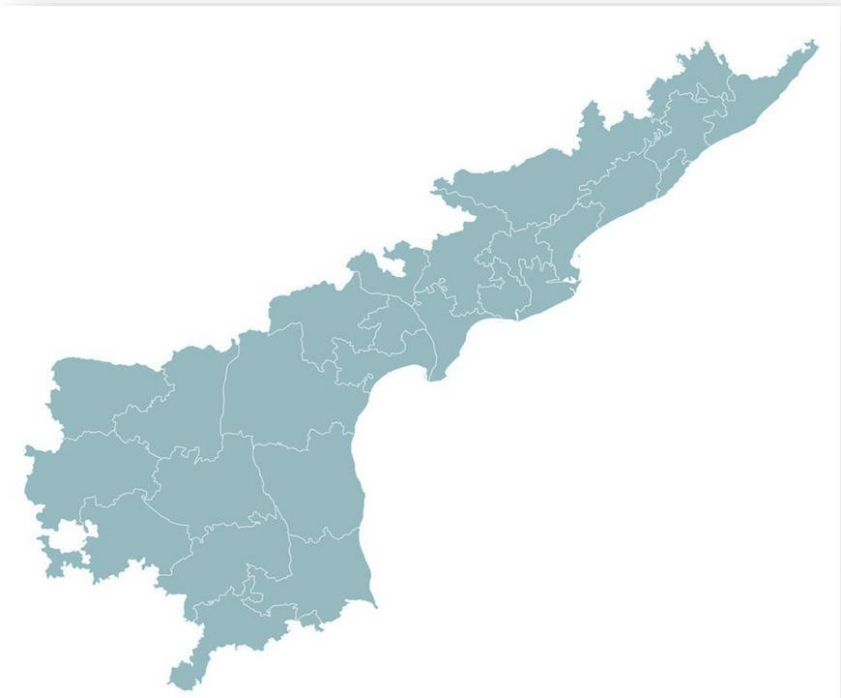
Teachers

- Reduced **non-academic work**
- **Timely** approval of **leaves**
- **Smooth** and **transparent transfers**



Department

- **No** more **ghost students** and **proxy teachers**
- Availability of **Real time data for planning**
- **Less** number of **smaller schools** and **better quality of education**



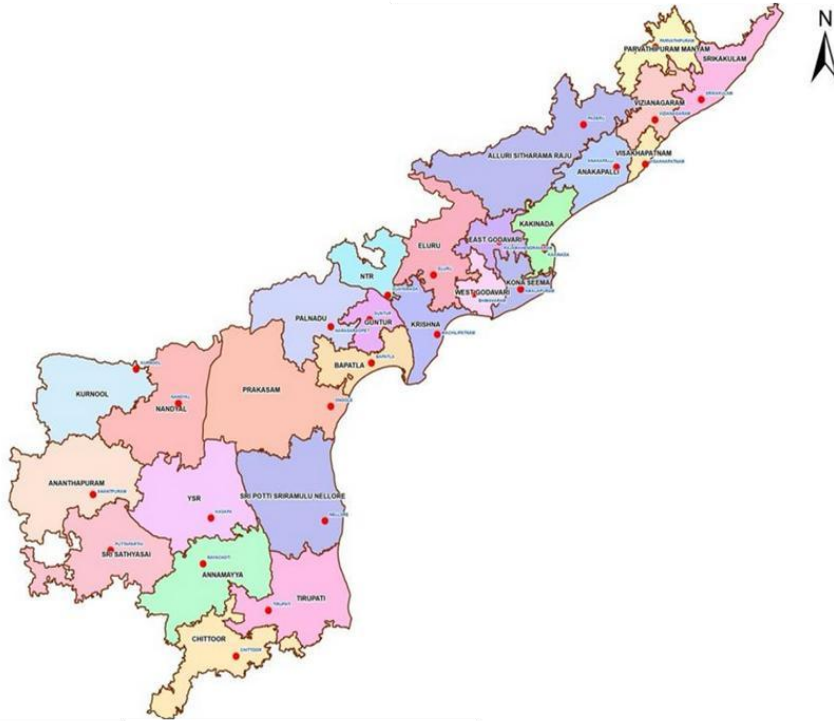
Ground Stories from **ANDHRA PRADESH**

**Government
of Andhra
Pradesh**



Improving Enrolment, Retention and Learning Outcomes of Secondary Students

Secondary Education Overview



4.96 Cr.
Population

Urban ~29% Rural~71%



16,625

Secondary Institutions



52.8 L

Secondary Students



1.9 L

Secondary Teachers

GER-Secondary

89.4

78.7

AP

National Avg.

**GER Secondary
Gender-wise**

89.1

89.6

Boys

Girls

1. Key Operational Challenges in Student Tracking



Tracking bottleneck

Manual tracking of never enrolled Children is cumbersome. (Like CWsN, Orphans)

Migration blind spot

Lack of mechanism to track migrated and relocated students

Off-system gap

Students enrolled in Alternate Schooling Streams are not captured in state MIS.

Catchment insight gap

Lack of distance analytics with HM to motivate students to join in government schools.

Catchment Area – Community-Based Student Tracking



Data Triangulation of UDISE+, Gram Panchayat Data etc.,



Data Sets of CwSN, Migrated, Never Enrolled



Geo-mapping of every child



Distance plotting and analytics



Private schools' admissions



Alerts to HM & Community



● Class 1 to 12

● Class 1 to 10

● Class 1 to 8

● Class 1 to 5

➤ Govt Schools
Mapped to
GP/WP

Community Involvement in Child Tracking and Enrolment



Headmaster



Owens the catchment child list



Action plan for enrolment



Conducts home visits



Admits children and closes cases



Motivate families to opt Govt.
School



Community



Check all school-age children



Verify each child



Assist HM in counselling parents

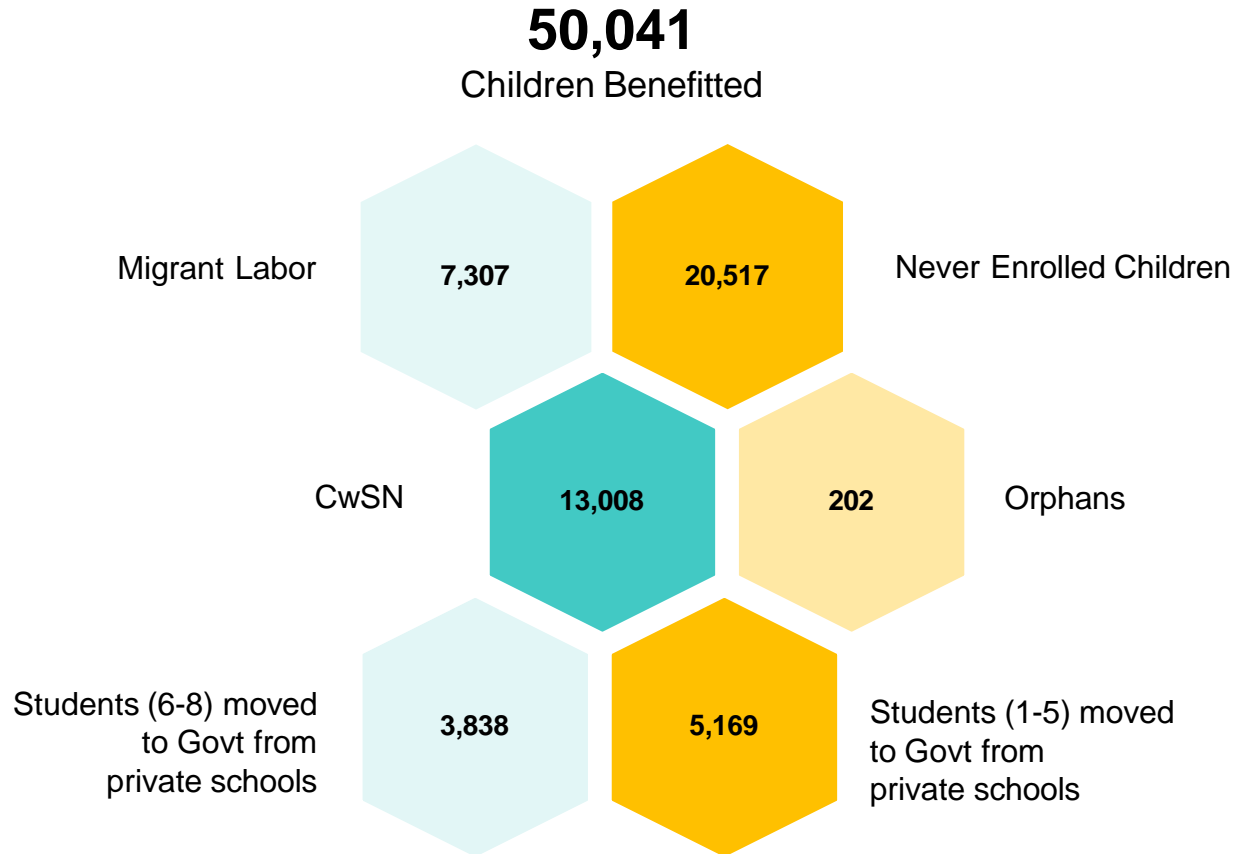


Resolves local issues



Track migrant children

Impact of Catchment Area – Student Tracking



2. Key Challenges in Home – School Engagement

01

Attendance

10-12% of students chronically irregular/ poor parental involvement

02

Parents Unawareness

Over 65% of parents unaware about child's learning level

03

Fragmented Communication

Parent – school communication is fragmented

04

Adolescent Disengagement

Weak monitoring at home - High Risk of dropping out (8%)

05

Growing Menace of Substance Abuse

3.76% high school students struggling with substance/drug abuse

Mega PTM – Parents & Community Engagement

State-wide event held on the same day across all Govt. Schools & Jr. Colleges

Holistic Learnings Accountability

- Holistic Progress Cards
- Individual learning plans
- Health screening

Parental Awareness

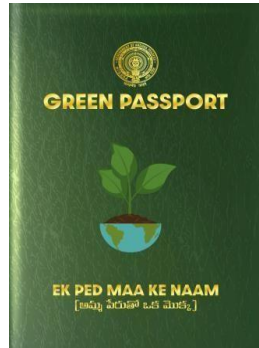
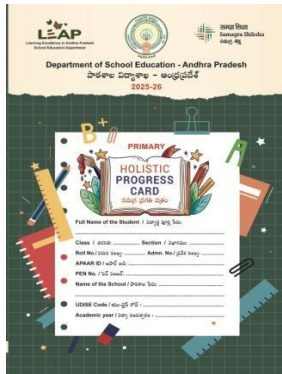
- Individual parent gained insights
- Discussion forum for all parents
- SMC conducted entire proceedings

Community Driven School Excellence

- Community elders, public reps & alumni
- Perspective plan with goals for school
- Funds mobilized through donors



Impact of Mega PTM



1. Transformed parents into active partners in student learning.
2. Teacher attendance improved from **86.99% to 91.91%**
3. Student attendance rose from **82.86% to 92.46%**
4. Green Passport Initiative under the “**Ek Ped Maa Ke Naam**” Plantation Drive, covering **36.68 lakh saplings**.
5. Community and donor participation boosted government school infrastructure across 7 districts.
6. Education shifted from a school-only responsibility to a shared community mission.
7. Global Recognition through **Guinness World Record**

3. Learning Deficit and Engagement Gaps



47% of Grade 8 students **cannot read** basic Telugu



58.7% perform **below grade level** in Mathematics



Limited parental involvement in student academic progress



Lack of data-driven individual student learning tracking



Lack of real-time feedback to the teacher

Prescriptive Homework – Parent's Engagement

Teacher Activity



5000 Nos Two-minute
Summary Videos

Student Activity

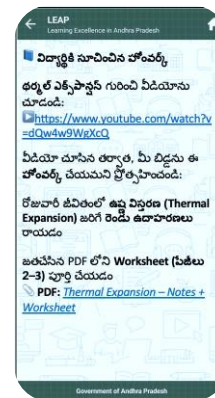


Short quiz on IFP and
Assessment through **Clickers**

Community/ Home Activity



**Real-time
feedback**
to teachers



Parents receive
**suggestive
homework.**

Clickers have been piloted for grade 9 and planning is underway to scale to the remaining high school classes

Impact of Prescriptive Homework

7,296

schools now use
summary videos

79%

Reachability to
high school
students

25 Lakh

Students &
Parents access the
content

38,251

Teachers use
videos &
dashboards

- Individual tracking of student performance
- Evidence-based monitoring of schools





Open House Discussions



Way Forward by Chief Secretary – Rajasthan

India's vision for VIKSIT BHARAT @ 2047



Human Capital

Key to economic growth & innovation



Whole of Government approach

crucial for a unified, resilient & future-ready ecosystem

VIKSIT BHARAT

Vision of the Government of India to make India a developed nation by 2047, the 100th year of its independence.

FOUR PillARS

- **Shishu (Infant)**
- **Balya (Child)**
- **Yuva (Youth)**
- **Vyaska (Adult)**

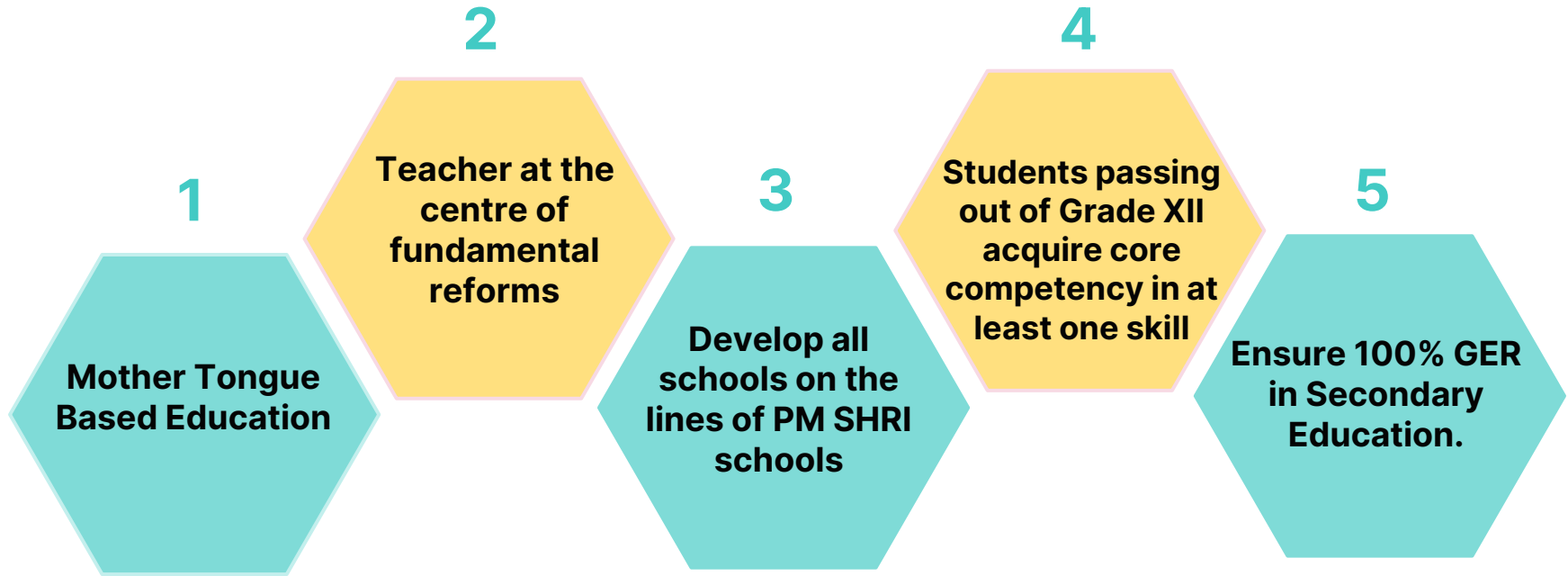
HOLISTIC APPROACH

Requires comprehensive efforts across various sectors, including:

- social equity
- good governance
- economic growth
- environmental sustainability
- industrial modernization
- global competitiveness
- India to be a global knowledge superpower

SCHOOLING: BUILDING BLOCKS

Actionable Areas





Collective Way Forward

Way Forward 1/8

**Saturate all Schools
with Basic Amenities**

March, 2028

**States and UTs to ensure
that all schools have
basic amenities,
including internet, ICT
labs & Science labs.**

**NIPUN Bharat Mission to
extend to Grade V**

1

September, 2026

**Extend NIPUN
Bharat initiatives up
to Preparatory
stage (Grade 5) to
improve Learning
Outcomes.**

2

March, 2027

**States/UTs to train
all pre-school
teachers**

Way Forward 2/8

Mainstreaming of Skill Education

March, 2027

1

**Adoption of
National Credit
Framework
(NcrF).**

2

**All School Boards
to function as an
Assessment
Authority &
Awarding Body.**

3

**Adoption of Skill
Education in
grades 6, 7 and 8.**

4

**Integration of
courses in
grades 9 to 12
as per industry
required.**

Way Forward 3/8

Continuous Professional Development (CPD)

March, 2028

1

All DIETS to be upgraded as Centres of Excellence.

2

In-service training for all teachers through DIETs.

3

AI for pedagogy-development of lesson plans & assessment.

4

Each Teacher to have a Mentor.

Way Forward 4/8

Strengthening of School Boards in Competency Based Assessment

March, 2027

1

Adoption/ adaptation of Holistic Progress Card onboarded on Vidya Samiksha Kendra.

2

Empanelment of adequate domain experts for question paper setting across state boards.

3

End to end automation of examination boards
(question banks, evaluation, reporting, certification).

Way Forward 5/8

Quality Assurance of Schools

March, 2027

1

All states to have strengthened State Standard Setting Authority (SSSA).

2

Formulation of School Quality Assessment and Assurance Framework (SQAAF).

3

Evidence based decision making through Vidya Samiksha Kendra.

Way Forward 6/8

Mental Health & Well-being

September, 2026

Development of Handbook for Master Trainers.

Health Check-ups

March, 2027

Ensure 100% health check-ups.

Saturation of APAAR ID for both Students & Teachers

March, 2027

Issue of APAAR ID to all students.

(Currently 15.04+ Crore and growing)

Way Forward 7/8

Branding of NIOS/State Open School

1

July, 2026

Create awareness about open school pathway to all, specially dropouts/ failed students.

2

March, 2027

Harmonization of fees of NIOS/State Open School.

3

March, 2028

Substantial increase in enrolment in NIOS courses.

Way Forward 8/8

Make India fully literate

March, 2028

In addition to the existing 5 fully literate States/UTs, remaining to become fully literate.

THANK YOU

