



Re-Envisioning Secondary Education to Achieve 100% GER by 2030

Andhra Pradesh Perspective

Transforming Education through
Learning Excellence in Andhra Pradesh (LEAP)



National Education Policy 2020

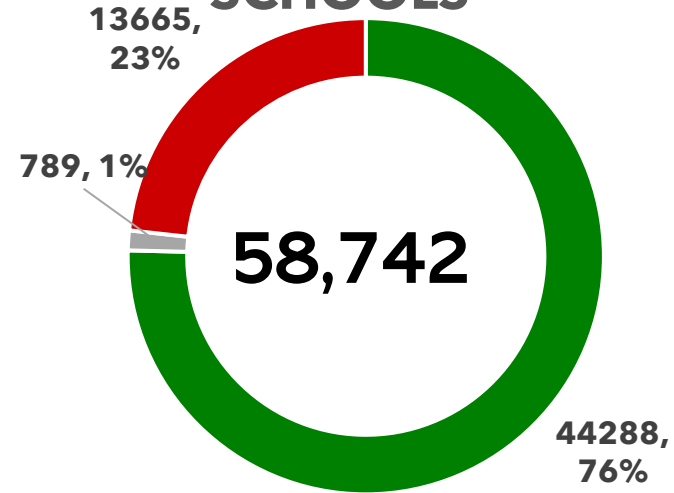
Ministry of Human
Resource Development

Government of India

AP SCHOOL EDUCATION LANDSCAPE



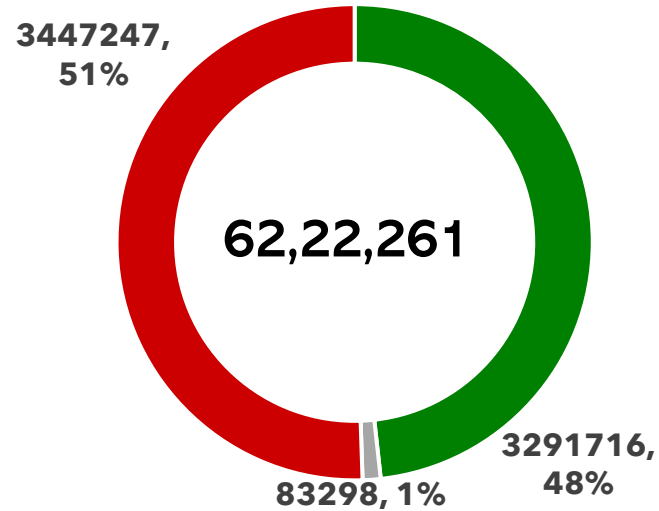
SCHOOLS



Government



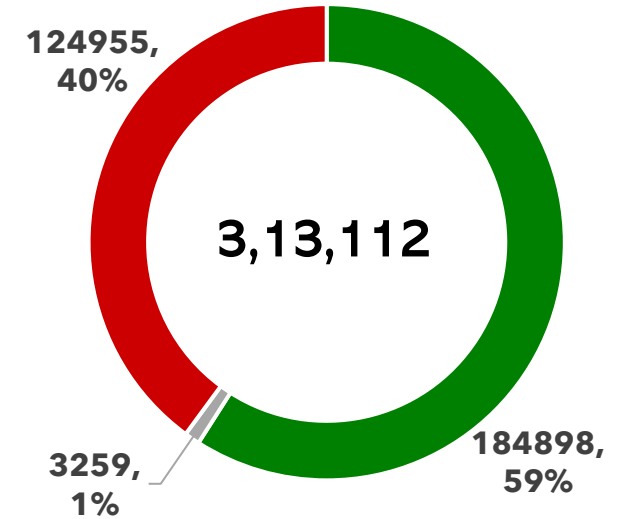
STUDENTS



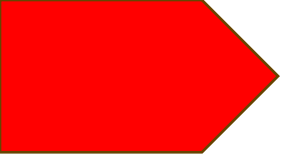
Aided



TEACHERS

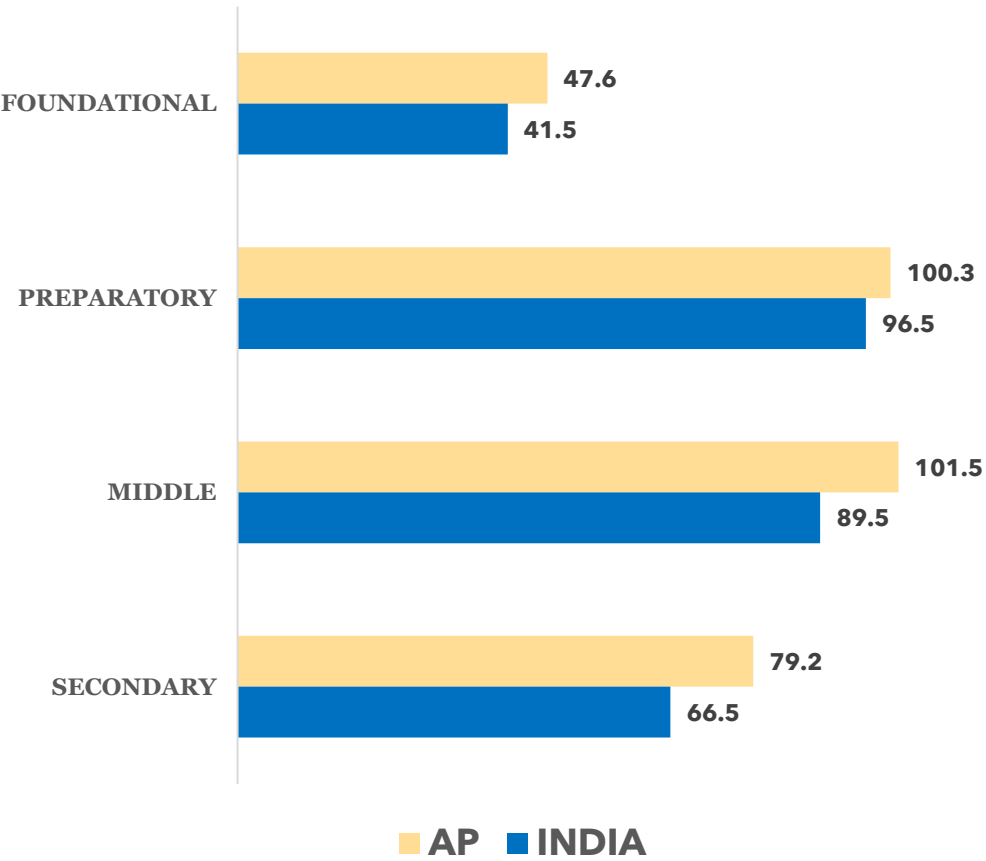


Private

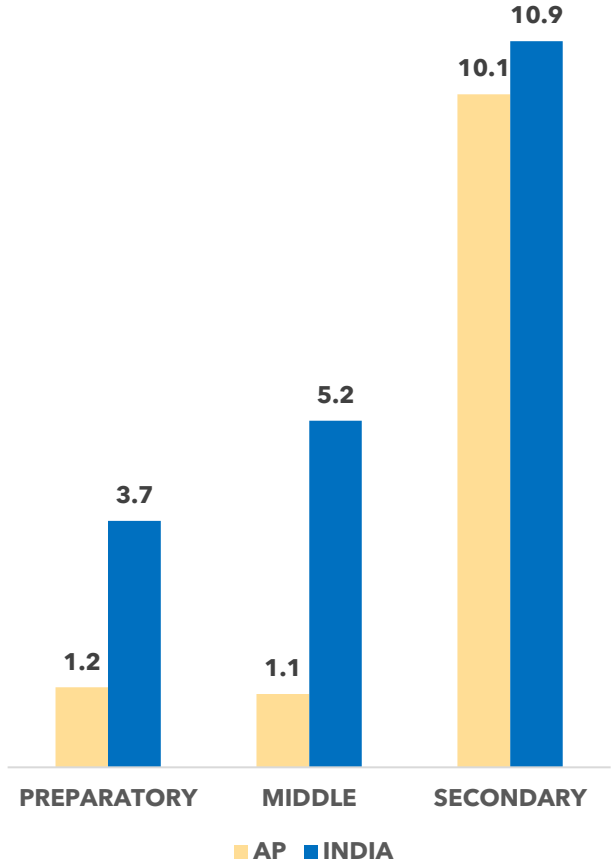


EDUCATION DEVELOPOMENT INDICATORS

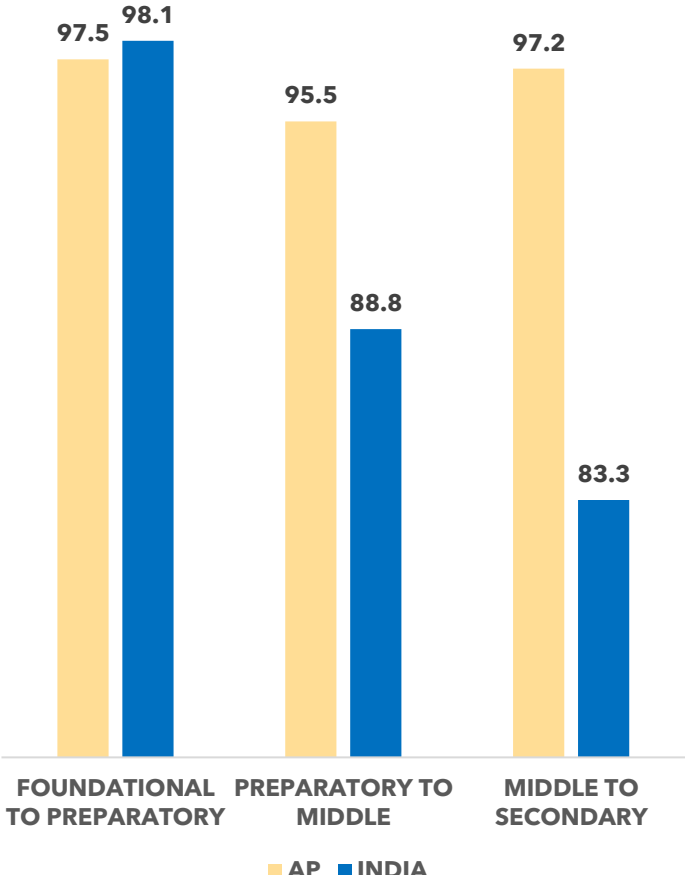
Gross Enrolment Ratio (GER)
2023-2024



DROP OUT RATE
2023-2024



TRANSITION RATE
2023-2024



INITIATIVES TAKEN BY ANDHRA PRADESH FOR IMPROVING GER

Three Pillars for increasing the GER:

Central Schemes/ Convergence

- PM SHRI
- PM Poshan
- Quality Initiatives
- Self Defence
- Vocational Education

State Sponsored Initiatives

- Thalliki Vandanam
- SRKVM Kits
- MEGA PTM
- Personalized Adaptive Learning (PAL)

Civil Society Partnership

- EMDP
- Amazon Future Engineers Programme
- Personalized Adaptive Learning (PAL)

Stories that Inspire the Nation

From Dropout to Digital Mentor: A Journey of Resilience

- **Tarun**, Born into an economically weak family, a neurodiverse student had dropped out of school —until a dedicated HM brought him back.
- At school, he thrived in the ATL lab, showing remarkable interest in technology.
- Recognizing his potential, he was taken as an apprentice under AP Inclusive Education to support Inclusive ATL initiatives.
- With determination, he became a Google Certified Educator and completed 30+ MOOCs in AI, Computer Science, Coding, and Assistive Technology.
- Today, he proudly serves as a Technology Trainer for Children with Special Needs (CwSN) with LFE in Andhra Pradesh.



Tarun training Rajesh Dadi a 9 year old autistic child on Python programming

Stories that Inspire the Nation

Powered by Passion: Siddu's E-Cycle Revolution Born from ATL Learning

- **Siddu**, an Inter 2nd-year MPC student from Vizianagaram, applied the skills he gained in high school ATL labs to design a battery-operated e-cycle.
- With support from ATL in-charge teacher Y Eswara Rao and his friend Rajesh, Siddu built the e-cycle at a cost of just ₹35,000.
- The cycle features a hub motor, accelerator, three gear speeds (25, 35, and 50 kmph), and can carry up to 120 kg.
- Thanks to this innovation, his daily commute cost dropped from ₹60 to ₹6—showcasing how ATL nurtures real-world, student-driven solutions.



Siddu with his E-Cycle

THALLIKI VANDANAM SCHEME

- ❖ “**THALLIKI VANDANAM**” scheme, a key initiatives, designed to empower mothers/guardians across the state, by extending financial assistances to every eligible mother/guardian, regardless of the number of children for sending their children to schools from class I to XII, in all recognized Govt., Private Aided, Private Unaided schools/ Jr. college including Residential schools/ Junior college in the state from the Academic Year 2025-26.
- ❖ **Beneficiaries** over 67 lakh students and their mothers.
- ❖ **Coverage:** All students in government and recognized schools (class 1-12)
- ❖ **Disbursement:** Direct Benefit Transfer (DBT) to Aadhar-Linked, NPCI- enabled bank accounts of mother.
- ❖ **Expenditure incurred:** 8,745 Cr for FY 2025-26



Financial Assistance

Rs. 15,000/- per annum per child to every eligible mother/guardian

Providing ₹15,000 per child to parents is encouraging school enrollment and retention by easing financial barriers and motivating families to prioritize education.



STUDENT KIT – SRKVM (2025-26)

S. No	Item	Distributed
1	Bags (I to X Class All Boys and Girls)	33,94,406
2	Notebooks (VI to X Class All Boys and Girls)	2,04,02,484
3	Shoes (I to X Class All Boys and Girls)	33,91,780
4	Uniform (I to X Class All Boys and Girls)	33,94,406
5	Belts (I to X Class All Boys and I to V Class All Girls)	23,53,454
6	Oxford Dictionaries (VI Class All Boys and Girls)	3,19,939
7	Textbooks and Workbooks (I to X Class All Boys and Girls)	1,82,49,222
8	Pictorial Dictionaries (I Class All Boys and Girls)	2,75,957
9	Notebooks (XI & XII Class All Boys and Girls)	28,69,632
10	Practical Record (XI & XII Class All Boys and Girls)	3,01,186

The total budget for student kits for the year 2025-26 is 818.63cr.

Distribution of student kits—comprising essential learning materials like uniforms, notebooks, and stationery—is helping reduce the financial burden on families, boosting student morale, following the natural principle of equity of justice and encouraging consistent school attendance.



PM POSHAN SHAKTI NIRMAN

Initiatives Taken

Mid-Day Meals(PM POSHAN): is being provided to nearly **35.22lakh** students of studying in Classes I to XII, with a total annual budget of **Rs.1950Crs.**

- **Recently extended PM POSHAN to classes XI and XII students from January 2025**
- **Regular Field Inspections**
- **Impact Study via IVRS (From 16lakhs parents)**
- **Social Audit**
- **Standardization of Menu**
- **80,900 Cook/Helpers were trained in all 670 Mandals**
- **Menu covered:** Providing Fortified fine rice, eggs 5days in a week, peanut jaggery chikki 3 days in a week & Ragi Java 3days in a week
- **Coverage and Budget:**

Statement showing the budget for PM POSHAN(MDM) for classes I to XII(Rs. In Crs)

Category	No. of students	Budget by GOI	State mandatory share	State additional budget (100%)	Total budget
I TO VIII	25,92,740	392.08	236.96	436.25	1065.29
IX TO XII	9,30,011	0	0	885	885
Total	35,22,751	392	237	1,321	1950.29



MEGA PTM 2.0 on 10th July 2025

Objectives:

- To strengthen the bond between school and parents.
- To showcase children academic and extracurricular progress to parents.
- To review school enrollment, attendance and infrastructure, encouraging parents to contribute to the school's growth.
- To educate parents on topic such as nutrition, child safety and positive parenting.

AP sets Guinness World Record for largest PTM 2.0

According to school education dept, July 10 event had an attendance of a total 1.52 cr people, including students, alumni, school management committee members and philanthropists

MD AMEER
VIJAYAWADA

ANDHRA Pradesh has earned a Guinness World Record for hosting the world's largest Parent-Teacher Meeting (PTM), with over 53.4 lakh parents and teachers participating.

Held on July 10, the event, dubbed Mega PTM 2.0, drew a total of 1.52 crore attendees, including students, alumni, School Management Committee (SMC) members, and philanthropists. This historic achievement underscores Andhra Pradesh's commitment to transforming public education and aligning government schools with global standards, said a statement from Samagra Shiksha on Monday.

The initiative supports the state's vision to become a 'Quantum Valley', fostering innovation and empowering youth through education. HRD minister Nara



Parents take part in sports during PTM 2.0 at Veldurthi ZP High School in Kurnool district on July 10

Lokesh expressed pride in the global recognition, dedicating the honor to the state's teachers for their tireless efforts. "This Guinness World Record validates our mission to rejuvenate public education and promote inclusive learning. We dedicate this award to our teaching community," he said.

The record was confirmed after a rigorous audit of data from over 61,000 schools, including

photographs, videos, verified participant counts, and independent witness statements, all collected via the state's LEAP app. This digital platform enhances education delivery by providing interactive content for students, structured lesson plans for teachers, and robust tools for the education department. "Over 40 auditors worked tirelessly to verify the data, ensuring the award's integrity," said B Sriniva-

sa Rao, state project director, Samagra Shiksha Andhra Pradesh. He added, "This recognition will inspire us to further strengthen the Andhra Model Public Education system, ensuring quality and equitable education for all." The official Guinness World Record certificate will be presented at a ceremony in Amravati during the second week of August.



Guinness recognises Andhra Pradesh's MEGA PTM as the world's largest Parent Teacher meeting happened in a single day across multiple venues. 5.23 million parents and teachers attend the MEGA PTM.2.0.

SUMMARY OF ATTENDANCE COMBINED OF SCHOOLS AND INTERMEDIATE BOARD

MEGA PTM 2.0 Event Attendance				
SNO	Districts	Total Schools	Total Parents Attended	No.of Teachers Attended
1	Alluri Sitharama Raju	2972	164108	7277
2	Anakapalli	1854	126106	6587
3	Ananthapuram	2401	227822	9969
4	Annamayya	2709	155390	7651
5	Bapatla	1730	114199	5792
6	Chittoor	2832	164310	7970
7	East Godavari	1567	173788	5443
8	Eluru	2222	169881	7274
9	Guntur	1647	178145	5221
10	Kakinada	1859	184104	6897
11	Konaseema	2033	149050	5771
12	Krishna	1774	137767	5908
13	Kurnool	2231	232442	8261
14	Manyam	1696	99872	5869
15	Nandyal	1945	167964	7195
16	NTR	1427	182291	4840
17	Palnadu	2012	190022	7293
18	Prakasam	2937	209316	9691
19	SPS Nellore	3310	199200	9756
20	Sri Satyasai	2390	155221	8500
21	Srikakulam	3013	201724	11388
22	Tirupati	2919	175511	8535
23	Visakhapatnam	1368	182084	3493
24	Vizianagaram	2203	163557	8940
25	West Godavari	1901	160076	5815
26	YSR Kadapa	2735	186455	8159
TOTAL		57,687	44,50,405	1,89,495
INTERMEDIATE		2,856	5,80,742	14,221
GRAND TOTAL		60,543	50,31,147	2,03,716
GRAND TOTAL ATTENDANCE OF PARENTS & TEACHERS			52,34,863	



PM SHRI SCHEME-OVERVIEW

Activities focused on PM SHRI schools

- Development of Play fields in 755 schools
- Laboratories: chemistry (251) , Biology,(12)
- Science (48) and Libraries (142)
- Lab Equipment in 794 schools
- Library Books and Sports kits-855 schools
- Ramps with handrails (401)and Toilets(73)
- Rainwater harvesting (529) and Kitchen gardens (532) schools
- Capacity building of Teachers & School Heads
- Vocational Education in 794 Schools (1881)
- School Quality Assessment Framework(SQAF) in 855 schools
- School Innovation Council in 794 schools
- Smart Classrooms in 794 schools
- Foundational (FLN) Kits in 61 schools
- Student Kit-855 schools



Personalized Adaptive Learning (PAL)

DESCRIPTION

Personalizing education; caters to the diversity of learning styles, speed and choice of students.

- Helps a learner move up his/her **unique learning path**.
- Students learn in their own style and pace
- Usually **1:1** or in small groups with a tablet/laptop
- Micro assessments and adaptivity
- Teacher gets a detailed report of **actionable strategies for remediation**; worksheets, concept level break down, etc...,

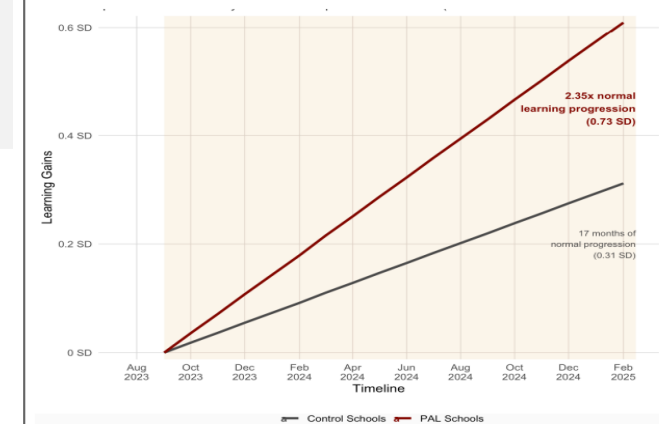
IMPLEMENTATION IN AP

- Andhra Pradesh pioneered Personalized Adaptive Learning (PAL) in 2018 with a vendor-led Proof of Concept.
- After a successful 3-month trial in 60 schools, it scaled to 560 schools in 2019.
- By 2025, the program expanded to 1,224 schools across all 26 districts, becoming one of India's largest government-funded PAL initiatives, delivering Telugu, English, and Mathematics content for Classes 6 to 9.
- With positive results from the research, the Program is also scaled up to 232 New PM shri schools in 2025-26
- 3.25 Lakhs students were benefitted.



PAL is helping students in their learning through remedial teaching practice. According to a report by the Development Innovation Lab (DIL), led by Nobel Laureate Prof. Michael Kremer, Students in PAL-enabled classrooms learn 2.25 times faster than their peers in non-PAL settings.

Figure 1. PAL accelerated learning gains by ~2.3 times



Note: The shaded area marks the PAL implementation period of 17 months over two academic years: 2023-24 and 2024-25. Learning gains are measured in standard deviations (0.22 SD = one year of typical learning for non-PAL students).

ATAL Tinkering Labs

A. The Atal Innovation Mission (AIM, under the aegis of the NITI Aayog), GOI has established 713 ATLs in A P with its own funding.

B. 565 are in government & 148 are in private schools.

C. Operational cost of Rs. 2 lakh per annum for 5 years. Total 20 Lakh project.

1. To create workspaces where young minds can learn innovation skills, sculpt ideas through hands-on activities, work and learn in a flexible environment.
2. To empower our students with the 21 century skills of creativity, innovation, critical thinking, design thinking
3. To help build innovative solutions for rural unique problems and support to develop the solutions



ATL lessons help Inter student design e-cycle

CHOWDARI LAKSHMANA RAO
@ Sriakulam

RAJAPU Siddu, an Intermediate second-year MPC student from Jadavari Kottavalasa village under Poonivalasa Grama Panchayat in Therlam mandal of Vizianagaram, has designed a battery-operated e-cycle to commute to his college in Rajam, located 17 km away. Drawing upon the knowledge he gained from the Atal Tinkering Laboratory (ATL) during high school, Siddu transformed necessity into innovation.

Siddu had faced difficulty in attending college in first year, struggling to maintain punctuality while travelling from his remote village. He has to walk at least 3 km to reach Therlam-Rajam main road and later he has to travel another 14 km either in auto or bus to reach his college. Therefore, he needs to spend at least ₹60 a day towards travelling expenses.

With his parents, Rajapu Simhachalam and Venkataxmi, had left to Chennai for their



Rajapu Siddu, an Intermediate second year student with his e-cycle | EXPRESS

livelihood. Siddu and his sister Deepika were left in the care of their grandmother in the same village. Deepika is currently studying in Class 10 at Perumali Government High School.

During the summer vacation, Siddu brainstormed ways to overcome his commuting problem for the second year. In-

spired by his ATL training from Classes 6 to 10 at Perumali, where he learned robotics, Siddu applied that knowledge to design an electric, battery-powered cycle. He procured the materials online from Delhi and Rajasthan. Siddu designed the electric cycle with the help of his teacher Y Eswara Rao and classmate Jag-

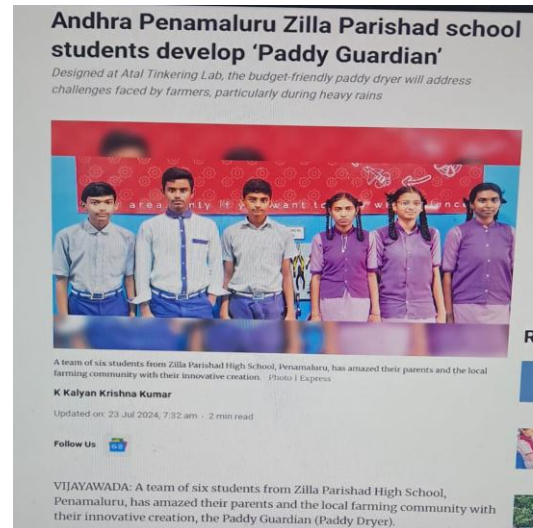
gupalli Rajesh. Now, he attends college on time every day without any hassle. "I spent ₹35,000 to purchase materials and for fabrication, in designing the cycle. I was guided by my high school teacher, Y Eswara Rao, who was the ATL in-charge, and my friend Jaggupalli Rajesh of Harsha Balaga village assisted me. He is studying



Inter second-year BiPC at our college," Siddu told TNIE.

Siddu designed the e-cycle with three gears. The first gear allows a speed of up to 25 kmph, the second gear supports speed between 25 and 35 kmph, and the third gear accelerate up to 50 kmph. The cycle is fitted with a hub motor and an accelerator. "We can carry up to 120 kg of weight on the cycle, and it has a provision for pillion rider," Siddu said. The battery takes about three and a half hours to charge fully and can run up to 80 km on a single charge.

"After designing the battery-run cycle, my daily expenditure to reach college has come down to ₹6 on an average—nearly one-tenth of what I used to spend earlier," Siddu said, comparing his current costs with his previous expenses. "Siddu needs some help from any designing units to improve the battery-run cycle with more options and an attractive design," opined Eswara Rao and Rajesh.



ATL labs are fostering scientific temper, critical thinking, and innovation among students, further helping children to develop inquisitive mindset in learning process in secondary education.

CAREER AND MENTAL HEALTH COUNSELING INITIATIVE



Andhra Pradesh is the first state in India by deploying 255 career and mental health counselors, alongside 4 PMU coordinators for secondary and senior secondary students. In collaboration with the EdCIL, New Delhi. This initiative aims to enhance student support system in the state. These counsellors will provide comprehensive guidance and support to students, addressing both career and mental health needs.

The Supreme Court of India has directed that every school must have career and mental health counselors. It has also emphasized that state governments should take proactive steps to implement this initiative.



- 1 Objective** Universal access to career and mental health counseling at grassroots level.
- 2 Counsellors Engaged** 255 District Counsellors & 4 PMU Counsellors (Jan–Mar 2025)
- 3 Future Plan** 1 counsellor per block across 679 Blocks
- 4 Additional Counsellors** 424 new appointments for 100% coverage
- 5 Training Partners** NIMHANS Bangalore, UNICEF, AIIMS Mangalgi, RIE Mysore, GES, Melbourne University

Career counseling and mental health initiatives in schools are playing a vital role in guiding students towards future opportunities and emotional well-being, thereby fostering a supportive environment that helps retain students and reduce dropout rates.

VOCATIONAL EDUCATION



1578 schools with 2916 VTs



11 trades 28 Jobroles



Labs established - 2702



Pre-Vocational Education
1578 schools (6th - 8th)



41Hub & spoke Model
schools



Girls – 1,30,916 Boys – 76,256

Enrollment - 2,25,288



Computer Based Test (CBT) is conducted first in the nation for selection of Vocational Trainers



Vocational education is equipping students with practical skills and industry-relevant training, enhancing their employability and confidence, which in turn motivates them to stay in school and pursue meaningful career pathways. (Transition from school to work)

AMAZON FUTURE ENGINEERS PROGRAM

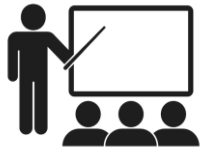


100 Schools (3 districts)



Students
Engagement

16800



200 teachers (2 teachers per school) from 3 Districts.
(154 female: 46 Male)



10 volunteers to be engaged through class chats



Phase wise program implementation

Explore Model



Chatbot
(6000)



Class Chat
(300)

Learn Model



Implementation of
AI+CT
curriculum
(16800)



Bootcamps



State & Interstate
level showcase



Vision - “Creating and embedding technology-enabled, localised learning experiences that drive equitable social progress, enabling learners to have increased awareness of future skills and careers to make informed career decisions”

Digital tools are enhancing student engagement through interactive learning experiences, making complex concepts easier to understand, thereby improving academic performance and encouraging regular school attendance.

Entrepreneurial Mindset Development Program (EMDP)

Realizing the dream of

“ONE FAMILY - ONE ENTREPRENEUR” through the education eco-system of Andhra Pradesh.

Beneficiaries Reached: 52,000 students and 987 teachers out of 1040 schools.

Qualitative Impact: Enhanced skills in trying new things, grit, and communication.

Quantitative Results:

- 96% of respondents felt confident in applying their learning.
- 94% of teachers rated the training as "Strongly Agree" or "Agree" for clarity and usefulness.
- Over 6,800 sessions conducted with 93% average engagement.
- 883 projects received from 946 schools (93% participation).

Collaboration with: Udhyam Learning Foundation



EMDP is equipping students with entrepreneurship mindset and orientation of various opportunities and enhancing their employability and confidence, which in turn motivates them to stay in school and pursue meaningful career pathways.
(Transition from school to work)

SELF-DEFENSE

Need for Self-Defense Trainings in Schools

Violence Against Girls:

- Violence against girls remains prevalent, facing harassment and assault during commutes or in public spaces.

Impact on Education:

- Safety concerns often lead parents to restrict girls from attending school, resulting in higher dropout.
- A structured curriculum is designed for class 6-12 covering the basic and advance techniques of self defense. Program mechanism monitoring through IT tool (LEAP)

Rani Laxmibai Atma Raksha Prashikshan scheme

A broader effort to ensure the safety and empowerment of girl students.

A framework for holistic education, including physical and mental well-being.

Empowering students through skill development and safety training.



From 6th to 12th classes in all government institutions

Type of Schools	Total Schools	Total Girls
High Schools	6362	742960 (6 th to 12 class)

Self-defense training boost girls' confidence and sense of safety, encouraging regular school attendance and reducing dropouts.

Balika Raksha Program

Objective:

To enhance the health and hygiene of adolescent girls by addressing menstrual stigma and promoting personal hygiene practices.

Target Group: Girls enrolled in Classes 7 to 12 in Government schools and colleges.

Number of Beneficiaries: 10,43,021 girls

Entitlements: Each beneficiary will receive 10 sanitary napkins per month, comprising **5 regular-sized** and **5 large-sized** napkins.

Budget: Rs.38Crs (Tapping funds from Samagra Shiksha)





TRANSPORT ALLOWANCE TO STUDENTS

Objective-

- Promote access to education
- Reduce dropout rates
- Support inclusive education
- Bridge the geographical gap
- Enhance enrollment

Total Budget- 47.91 Cr

Total Beneficiaries - 79860

Benefits to the Students

- Improved Access to the Education
- Increased Enrolment & Attendance.
- Equity & Inclusion
- Improved Learning Outcomes.
- Encourages Parental Support.

Providing a transport allowance to students has been instrumental in overcoming the logistical barriers that hinder students' ability to attend school regularly, thereby strengthening the connection between students and their educational institutions

QUALITY INITIATIVES AND OTHER SCHEMES TO IMPROVE GER

01 Recruitment of new teachers – 16,347

02 Classroom Observation (Teach Tool- 2,28,072 observations)

03 Sports Materials: 8,94,944 sports items covering 54 types to 44,591n schools

04 Leadership training for school heads (10,706 in phase-1 and 17,000 in phase-2 in 12 competencies)

05 Digital classroom
(In phase 1- 30,213 IFPs and 10,038 SMART TVs installed in 15,715)
In phase II-31,884 IFPs and 28,014 SMART TVs

06 Rashtriya Aawishkar Abhiyan (distributed science & Math Kits, exposure visit to students on science exhibition)

07 Neta Ji Subhash Chandra Bose Aawasiya Vidhyalaya (Out of 18 functioning Hostels 15 upgraded in this year)

08 School complex as grassroot level academic centres

09 Enrolment drives

10 Curriculum revision and value education books

11 Integrated Science Labs (289 labs established)

COLLABORATIVE PARTNERSHIPS (1/2)

S. NO	Name of the NGO	Target Group	Key Impact areas
1	Desh Apnayen Sahayog Foundation	Govt. School Students of classes 6 to 9	Cognitive development & Behavioural Change i.e. Mock Elections, Mock Panchayat, Empathy walk, My dream country, Independence etc.,
2	Vibha - Leap Forward (LFW)	Govt. School Students of classes 2 to 5	English Literacy Programme in A.P.
3	Bal Raksha Bharat(Save the Children)	Govt. School Students of classes 6 to 8	Foundational Literacy and Numeracy Remedial Education for improved learning outcomes
4	Central Square Foundation (CSF)	564 Govt. School Students of classes 6 to 9	Improved Learning Outcomes
5	Quest Alliance	Government Secondary School Stakeholders HMs, Teachers, Students and Parents	Educational Technology (Artificial Intelligence and Computational thinking) and Future Skills and Career Transitions thought process and mindset building
6	Room to Read		Foundational Learning and Numeracy
7	Lend A Hand India(VOC)	Vocational Education enrolled students in school education	1. Enhancement of Vocational Education implementation
8	Janyaa Foundation	Children from VI to Xth grades	Education, Life skills
9	Magic Bus India Foundation(SCERT)	6th to 10th Grades in Govt. High Schools	1.Life skills 2.Sports, Health and Nutrition 3.Improvement in Core Life Skills amongst adolescents of classes 6 – 8 in Govt. schools.
10	Agastya International Foundation(SAMO)	School Children & Science and Maths teachers of VI to X Grades of five districts All the teachers of mathematics and Science & Children from VI to Xth grades	Experiential Peer to Peer learning. Experiential Learning
11	EMDP Consortium (Udhyam Learning Foundation, Reap Benefit, Aflatoun International)	9th Grade Students	Self Awareness, Innovation & Ideation, Grit, Critical Thinking

COLLABORATIVE PARTNERSHIPS (2/2)

S. NO	Name of the NGO	Target Group	Key Impact areas
12	American India Foundation	Grades 6 to 9th from 120 schools, 3 dist., Guntur, Vizianagaram and Srikakulam	Understanding, Problem-solving and technical skills
13	EDUNET FOUNDATION(VOC)	8th & 9th classes	Free digital platform to explore a variety of cyber risks and importance of AI
14	Indus Action Initiatives	Disadvantaged Group and Weaker Section notified by G.O.M.s. 24	Section 12(1)(c) RTE
15	Wipro Earthen Technologies and CPREEC.	Teachers students other related groups	Online training to Government schools
16	change innk(IE)	SLD(Specific Learning Disability	screening ,Awareness, Teaching Methodologies
17	Shikshalokam	Education leaders (DEOs, DIETs, HMs, Teachers etc)	Education leadership development
18	Pratham Education Foundation, New Delhi	1 to 5 Classes.	Foundational Learning and TaRL
19	North South Foundation(KGBV)	9 to 12 class	Addressing inequalities in education by providing equal opportunities for all learners
20	ARPAN	6 to 10 Class	School Safety Trainings
21	Sattva & Kaivalya	1 to 10 Class	Leadership Development
22	Leadership for Equity	1 to 10 Class	Teachers Professional Development
23	Education Initiatives	1 to 10 Class	Assessments

