PD: 17-05-2026 Z: Early E: 1 U: nirmalya.chakraborty@timesofin T: 05-16-2026 19:52

Education Insights

READER ENGAGEMENT INITIATIVE

When AI knows the answers, what should students learn?

As Artificial Intelligence rapidly reshapes classrooms and workplaces alike, educators across India are increasingly arguing that academic success alone is no longer enough

Ranjini.Sarkar
@timesofindia.com

In an economy where AI can summarise textbooks, generate essays, write code, and solve equations within seconds, schools and colleges are being forced to rethink what truly makes students future-ready. The conversation is steadily moving away from rote learning and towards something harder to automate—problem-solving, adaptability, creativity, and entrepreneurial thinking.

Across India, schools are integrating AI literacy, computational thinking, and project-based learning into classrooms. "Higher education today is no longer about competing with AI, but learning how to use it meaningfully and responsibly. Interdisciplinary learning has also become important, because it helps students develop more practical and adaptable solutions," says Saugata Banerjee, director of an educational institute.

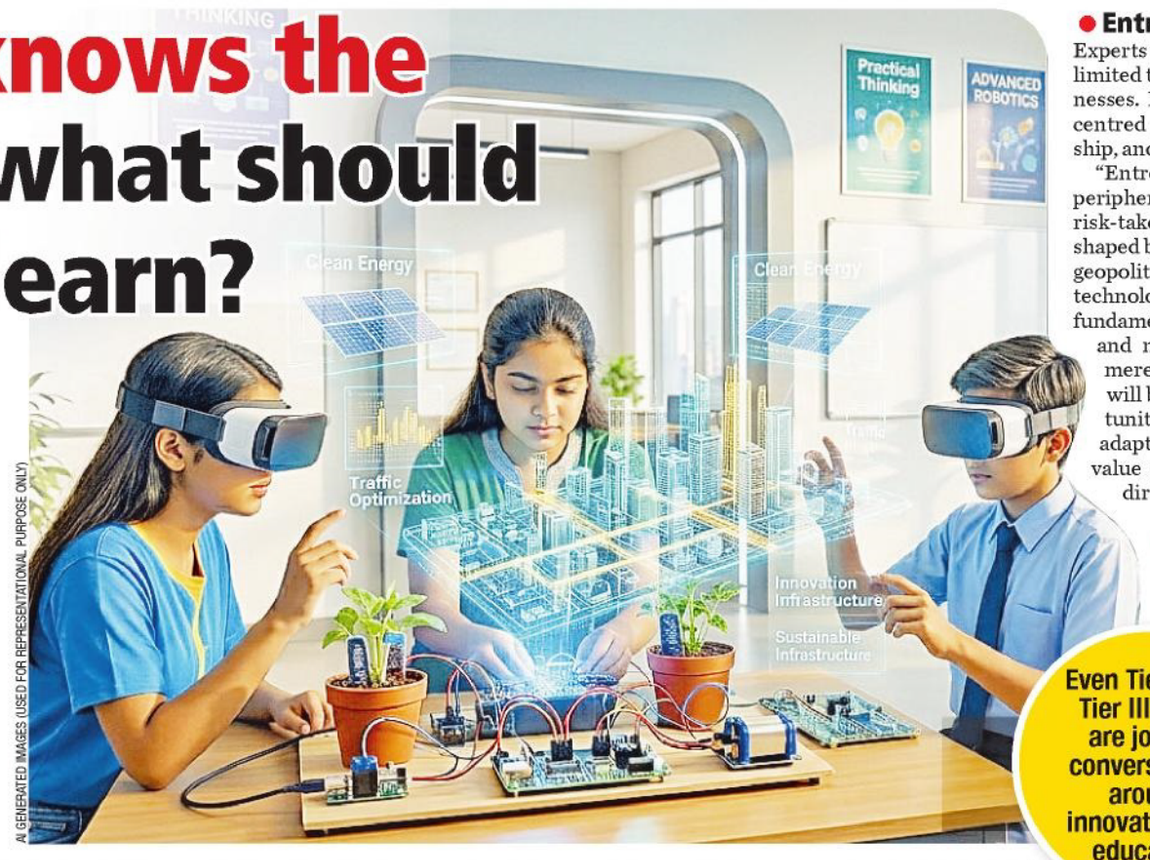


Information to imagination

For decades, Indian education largely rewarded students who could reproduce information accurately. But in the age of generative AI, information itself is no longer scarce.

"AI has changed the game far quicker than most of us anticipated. Speed is now the currency we need to embrace to shift from a marks economy to a mindset economy. We cannot afford to be just syllabus-finishers anymore but seamlessly move towards being solution seekers. Because the real competitive advantage in the AI era will not be information. It will be imagination," says Devika Majumder, founder of a learning platform that promotes entrepreneurial thinking.

This shift is becoming visible across industries. Companies increasingly seek employees who can identify gaps, adapt to rapid technological change, and apply knowledge creatively. Educational institutions are responding by encouraging interdisciplinary learning, innovation labs, startup incubators, design thinking workshops, and collaborative projects.



Entrepreneurial or survival?

Experts believe entrepreneurship is no longer limited to launching startups or building businesses. Instead, it is emerging as a mindset centred around initiative, resilience, leadership, and the ability to navigate uncertainty.

"Entrepreneurship today is no longer a peripheral career choice reserved for a few risk-takers. In a world being continuously reshaped by AI, automation, climate transitions, geopolitical disruptions, and rapidly evolving technologies, entrepreneurship has become a fundamental mindset for survival, leadership, and nation-building. The future will not merely belong to those who seek jobs; it will belong to those who can create opportunities, solve complex societal problems, adapt rapidly to uncertainty, and build value at scale," says Suman Chakraborty, director, IIT Kharagpur.

Teachers are to remain central

Despite fears around automation, educators insist that AI cannot replace the human aspects of learning. "Teachers' role neither changed now nor will change in future. Teacher role rather enhanced from facilitator to a digitally enabled upskilled educator. Only AI can't help students' character building and academic excellence through prompt engineering or varieties of AI tools without human touch," says Sujit Kumar Jana, principal of a school in Hooghly.

Even Tier II and Tier III cities are joining conversations around innovation-led education

At the same time, educators caution against rushing educational transformation."New guidelines and developments are constantly emerging, and both students and teachers are expected to evolve alongside a fast-changing world. For these changes to be truly effective, they need sufficient time to be absorbed into the syllabus and classroom learning process," says Syed Shamael Ahmad, president of a national organisation in India.

As AI becomes embedded into daily learning, experts can agree on one thing: the future will favour students who can think independently, solve problems creatively, and adapt continuously.

Beyond one-size-fits-all

Students today are navigating an environment where information is abundant and career paths are fluid. Traditional one-size-fits-all teaching models often struggle to cater to diverse learning speeds, abilities and interests. AI-enabled learning platforms address this gap by personalising education, allowing students to progress at their own pace while gaining clarity about their strengths and areas of improvement.

By analysing learning patterns, performance data and engagement levels, these platforms create individual learning pathways. This helps students build conceptual understanding rather than merely preparing for examinations.

Prepare an uncertain future

The challenge lies in the demands of an AI-powered future. Careers increasingly require adaptability, critical thinking, collaboration and digital literacy—skills that cannot be developed through rote learning alone. "The biggest challenge schools face today is preparing students for jobs that don't yet exist," says Nitin Kulkarni, an EdTech strategist. "AI-based learning helps build problem-solving and analytical thinking, which are essential for long-term employability."

Readiness, therefore, is no longer limited to syllabus completion but includes the ability to learn continuously and apply knowledge in new contexts.

Adaptive learning is changing

EdTech platforms are responding by creating adaptive learning environments that evolve in real time. Through quizzes, assignments and interactive tasks, AI systems assess student understanding and adjust content dynamically. Students who struggle receive additional explanations and practice, while advanced learners are encouraged to explore deeper concepts.

This personalised approach not only improves academic outcomes but also builds confidence and self-direction—qualities essential for success in an AI-driven world.

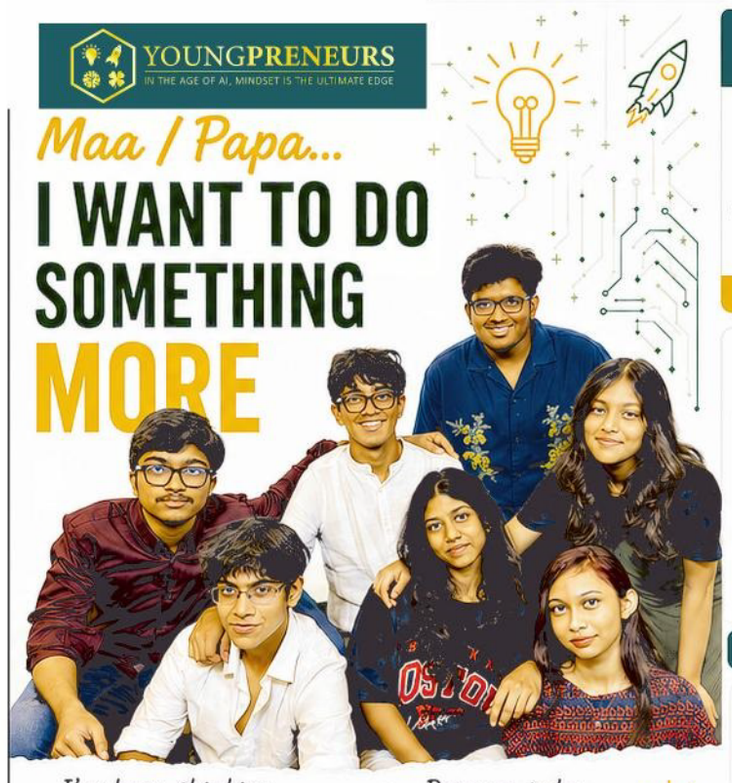
Data and feedback

Data-driven insights further help teachers understand students beyond marksheets. Pre-assessments, ongoing evaluations and learning analytics provide a clearer picture of individual needs. "AI doesn't replace teachers—it empowers them," says Mehta. "When routine assessment is automated, educators can focus on mentoring, creativity and emotional support."

Quick feedback is another key advantage of this shift. AI-driven tools provide instant, actionable responses to student work, helping them identify gaps early. "Instant feedback shifts the focus from grades to growth," Kulkarni notes, "which is vital in an AI ecosystem." AI-powered tutoring systems also support students who need additional help. Personalised platforms are also improving accessibility. Students with learning disabilities benefit from these assistive technologies and customised strategies. Thus, when integrated thoughtfully, it equips school students with academic clarity, self-awareness and adaptability.

YOUNGPRENEURS
IN THE AGE OF AI, MINDSET IS THE ULTIMATE EDGE

Maa / Papa...
I WANT TO DO SOMETHING MORE



I've been thinking...
I study. I give exams. I get marks.
But...
What am I actually building?
Can I solve real problems?
What can I do on my own?

Because today...
AI can give answers.
So what really matters is:
Can I THINK
Can I CREATE
Can I BUILD

THIS IS WHAT I WANT TO JOIN
FUTURE TITANS™
INDIA'S FIRST AI-POWERED COMPLETE INNOVATION CAPABILITY ECOSYSTEM. *PATENT PENDING
This takes 10 hours, self-paced — during free periods or at home. No timetable changes. No extra classes. No disruption to boards or exams.
WHAT I WILL DO IN THIS PROGRAM
Build real projects | Solve real problems | Speak confidently | Compete nationally | Work with an AI thinking partner
CAN I DO THIS?

A COMPLETE ECOSYSTEM TO BUILD FUTURE-READY LEADERS
Not a course. Not a workshop. A system that stays with your child.
IIT KHARAGPUR — Legacy of Excellence. Mentoring Future Innovators.
#startupindia — STARTUP INDIA — Government of India Recognition
ATAL INCUBATION CENTRE - BIMTECH — AIC - NITI AAYOG — Atal Incubation Centre Supported by NITI Aayog
AIP — ASSOCIATION OF INDIAN PRINCIPALS — AIP — Empowering School Leaders Nationwide
GLOBAL FACULTY (USA & BEYOND) — Ivy League & USA-based faculty exposure
★ Backed by India's top institutions + global expertise

THE FUTURE TITANS JOURNEY
Skill → Challenge → Community
01 SKILL (FOUNDATION) → OUTCOME "I CAN THINK"
02 CHALLENGE (APPLICATION) → OUTCOME "I CAN BUILD"
03 COMMUNITY (CONTINUITY) → OUTCOME "I KEEP GROWING"

MOST PROGRAMS TEACH. THIS SYSTEM TRANSFORMS.
WHAT YOU WILL SEE
Better thinking & problem-solving
Higher confidence & self-belief
Improved communication
Stronger academic performance
Leadership & initiative
★ These skills improve academic performance and future readiness.
WHAT YOUR CHILD GETS
5-part structured learning program
AI-guided thinking partner
National innovation challenge
Certificate of Achievement
Exposure to IIT Kharagpur & global mentors
Innovation Club & continuous mentorship

INVESTMENT (ALL-INCLUSIVE)
Programs like this usually cost ~~₹20,000 – ₹1,50,000+~~
₹1,500 ONLY
ALL-INCLUSIVE
Less than a textbook. Far more powerful.

IF YOUR CHILD IS ASKING FOR SOMETHING THAT HELPS THEM...
Think Better | Build Confidence | Prepare for the Real World
GIVE YOUR TEEN SKILLS THAT SURVIVE THE AI ERA.

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Train for what's next

From bridging the skill gap to creating future-focused careers, AI-driven education is redefining how students prepare for joining the workspace

PriyaC.Nair
@timesofindia.com

Education is no longer confined to blackboards, textbooks and rote learning. Across India, a quiet revolution is unfolding as artificial intelligence is redefining the way students learn, teachers teach, and industries recruit talent. Educators, edtech companies and industry leaders are reimagining learning models to prepare students not merely for examinations, but for a rapidly evolving workplace.

The rise of AI-driven courses is helping bridge a long-standing gap between traditional education and industry-ready skills, making learning more practical, accessible and future-focused than ever before. According to Chetna Sabharwal, director of a skills institute, "The next great movement for change will come from a young person with a dream, a laptop, and the courage to begin. In the age of AI, we hand them the resources they deserve, and watch them rewrite what's possible. This is an investment in the future we all need. We are here to make sure they don't have to begin alone."

AI is also democratising access to quality education. As Jayasree Ramesh, COO of a business conglomerate, says, "Earlier, access to quality education was tied to geography, institutional affiliation, and economic privilege. Now, a child in Patna and one in a top-tier school in a metropolitan city have access to the same machine learning course," she explains.

What we need is skill-agnostic learning competence and a 21st century mindset to thrive

Teaching anew

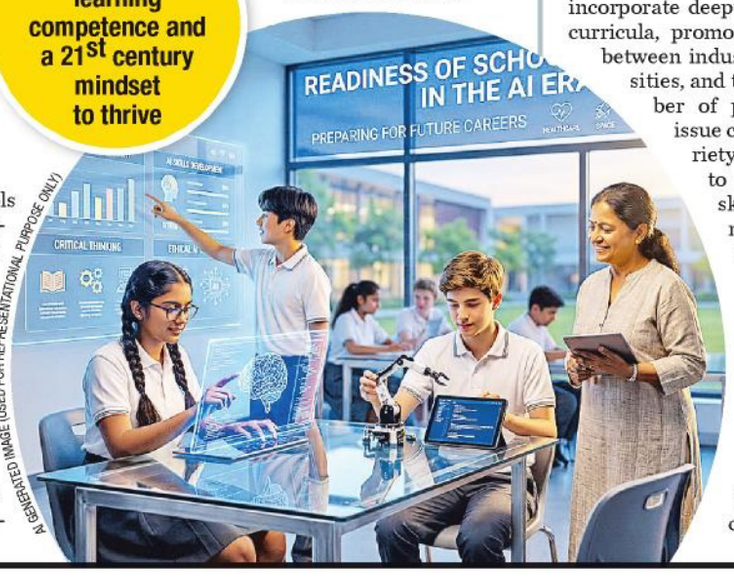
However, while AI tools are transforming education, experts insist that teachers remain crucial to meaningful learning. Far from replacing educators, AI is redefining their role. As per Ramesh, "Teachers proficient in AI-driven platforms can use AI tools and strategies to automate administrative tasks and generate interactive learning content tailored to specific grades or learner needs. Teachers skilled in AI create supportive learning spaces for academic success and become guides and mentors, steering learners towards holistic growth. Skilled, capable teachers create strong foundations for learners by fostering critical and creative thinking, problem-solving, digital fluency and 21st century skills"

Key Takeaways

- Critical thinking, ethical judgment, creativity, adaptability and lifelong learning are emerging as the defining skills of the future workforce
- The need of the hour is skill-agnostic learning competence, a 21st-century mindset, the ability to remain flexible to change, a positive attitude, and an open, curious mind that develops a love of lifelong learning, keeping pace with a technology that is dynamic and ever-evolving
- AI training can remain relevant when live professional situations are woven into the learning modules, when learners spend a portion of their course embedded in a company's actual workflow, solving real-life, occupational challenges

Industrial & academic

According to a Nasscom-Deloitte report, India's AI talent pool is expected to exceed 1.25 million by 2027, yet experts warn that the skills gap remains substantial without accelerated upskilling efforts. Dr Simon Mak, university vice chancellor, says. "It is necessary to incorporate deeptech principles in curricula, promote joint ventures between industries and universities, and train a large number of practitioners and issue certificates in a variety of ways in order to get the required skills for employment in industry. This way, India's workforce will be ready for revolutionary technological development in AI, robotics, quantum computing, and other leading-edge technologies to come,"he suggests.



Screens teach more than syllabi

Technology is helping students build skills beyond textbooks, thereby not only improving their academic outcomes but also boosting confidence



Respedit.Kolkata
@timesofindia.com

As classrooms become increasingly digital, school education is undergoing a fundamental shift. Artificial intelligence is no longer a futuristic concept confined to workplaces; it is already reshaping how students learn, practise and prepare for life beyond school. From adaptive assessments to personalised study plans, AI-driven tools are redefining what readiness means for students growing up in a technology-led world.

"The AI era is not just about learning technology—it's about learning

The answer, lies in embracing AI-assisted learning as a preparedness tool rather than viewing it as a disruption