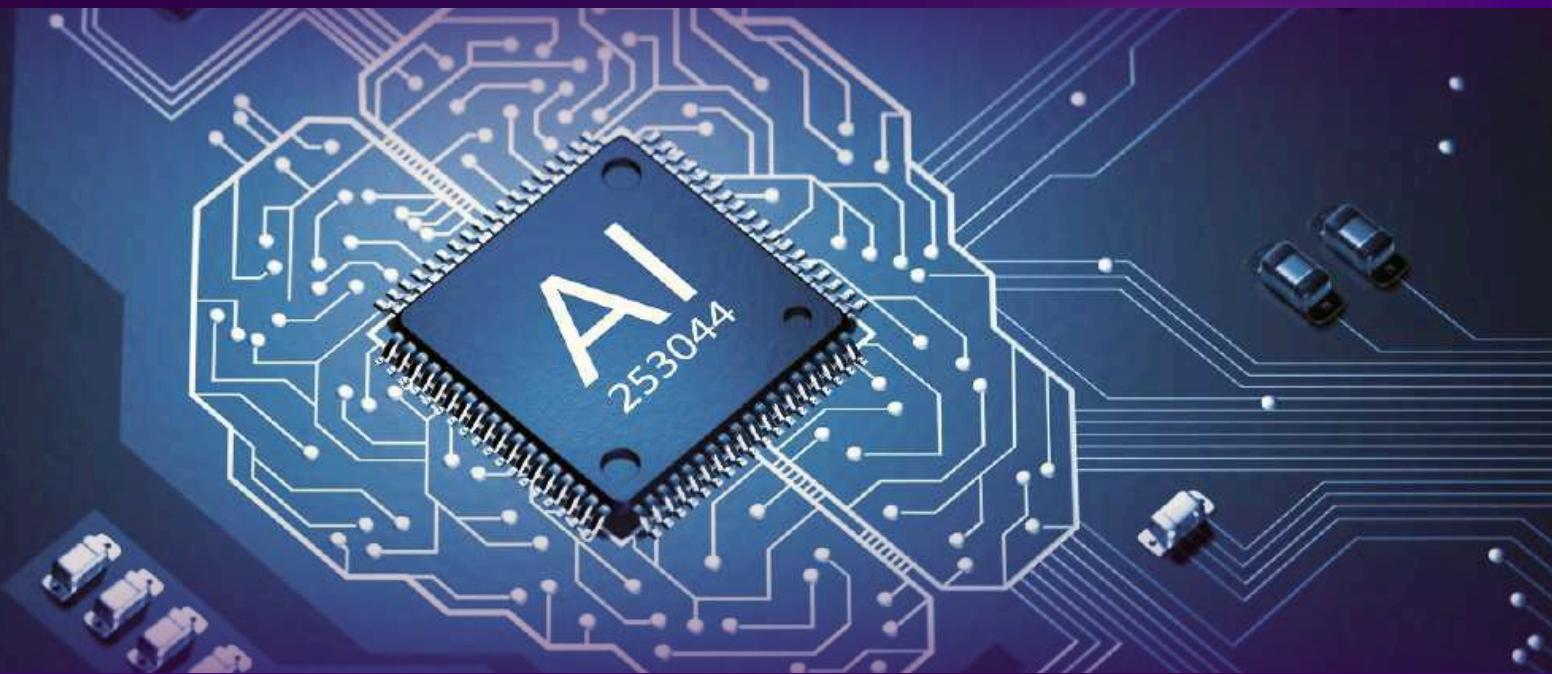


# AI LAB

Transforming schools into an  
AI-powered learning hub



# Get ready for the Age of Intelligence



## Why AI Lab in Schools is a necessity?

Artificial Intelligence has revolutionized the world.

GenAI and Agentic AI will redefine the future job roles.

Skills required to succeed will be significantly different.

“  
By 2030,  
**70% of jobs**  
will require AI literacy

“  
India will need  
**20 Mn** AI-skilled professionals by 2035

“  
Less than **15%** of Indian schools have integrated AI in their curriculum

# The AI edge every School needs

Artificial Intelligence is everywhere and it is the foundation of tomorrow's careers irrespective of any field our students choose to excel in. Our students need to be prepared in AI from early stages of education.



## Are our students ready?



### Future-proof our students

Equip every learner with AI literacy, design thinking, and problem-solving skills—essential for thriving in the AI-powered world.



### Turn labs into innovation hubs

Move beyond traditional computer labs. Create dynamic spaces where our students experiment, build projects, and innovate with AI.



### Join India's AI-first school network

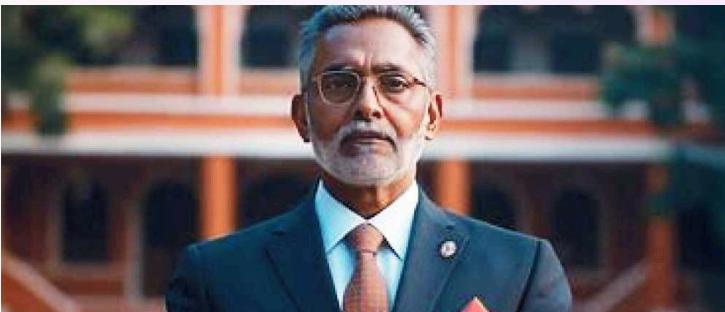
Position your institution among an exclusive league of progressive schools, recognized for pioneering AI adoption in K-12 education.



### Strengthen trust in parent community

Demonstrate that your school is aligned with NEP and committed to preparing students for the future, making it a preferred choice for parents.

# Blueprint to reinventing schools with AI



Our AI Lab solutions are custom-made and go beyond just integrating AI to your school.

## AI Lab enablement

We reimagine your existing computer labs into state-of-the-art AI learning hubs, equipped with tools, datasets, and cloud-powered infrastructure.

We reinvent how schools, teachers, and students engage with technology.



## Recognition and community

Your school gets positioned as a pioneer in AI education. Gain visibility as part of an exclusive national network of AI-enabled schools, with recognition at events like the "National AI Olympiad".

## Teacher Training



Empower your teachers through 24–30 Hours of relevant training in Digital, AI & teaching aspects in a changing world.

Upgrade your existing Computer Lab or we can facilitate a new AI Lab set-up

# Importance of AI Lab

Coding empowers students to be creators, not just consumers of technology. These skills are increasingly necessary across all sectors: science, business, medicine, arts, and social sciences. Programming also helps students understand and critically evaluate the world shaped by AI and automation.

## Early Analytical Thinking: Grades 6<sup>th</sup> to 8<sup>th</sup>

Introducing programming to middle schoolers cultivates logical reasoning, structured thinking, and curiosity. Students learn how computers “think,” explore patterns, and build creative digital projects, turning abstract concepts into interactive experiences. Early coding builds confidence, teamwork, and resilience in tackling technical challenges.

## Advanced Skills & Career Prep: Grades 9<sup>th</sup> to 12<sup>th</sup>

In high school, programming develops deeper computational thinking, advanced math integration, and design skills. Learners master tools and frameworks used in industries, preparing for STEM degrees, research, and competitions. It enables students to create portfolio worthy work, collaborate professionally, and engage with societal implications of technology.



# AI Lab: Program Structure

- Designed for visionary and progressive schools offering CBSE, ICSE, IB, IGCSE, and State Boards across India.
- AI Labs equips students of grades 6<sup>th</sup> - 12<sup>th</sup> to become future-ready innovators in the Age of Intelligence.
- Comprehensive Teachers Training for AI enabled teaching environment and pedagogy.



**45 Hours of Blended Learning**



**Integrated AI tools in controlled environment**



**Delivered by AI Experts**



**Hands-on projects & Applications development**



**Special sessions by Industry experts**



**Participate in AI Olympiad and Hackathons**

## Program Focus: Create | Nurture | Upgrade

### Grades 6<sup>th</sup> to 8<sup>th</sup>

- A foundational 45-hour program designed for middle school students to learn Python programming alongside an introduction to Generative AI
- Focus on basic coding skills, creative projects, AI concepts, and ethical discussions
- Activities include games, chatbots, image processing, and beginner-friendly AI applications
- Emphasizes hands-on learning, gradual skill-building, and fostering curiosity

### Grades 9<sup>th</sup> to 12<sup>th</sup>

- An advanced 45-hour program for high school students that immerses them in Python programming integrated with Generative AI
- Covers advanced topics like object-oriented programming, Machine Learning, Natural Language Processing, and APIs
- Students build industry-relevant, portfolio-worthy projects using professional tools like TensorFlow, Hugging Face, OpenAI API, and cloud platforms
- Includes a robust teacher support system, AI-powered coding assistance, and a growth-friendly assessment model

# AI Lab: Program Coverage

## Modules (Grades 6<sup>th</sup> to 8<sup>th</sup>)

- Demystifying AI
- Python Foundations
- Animation and Interactivity
- Advanced Game Mechanics
- Capstone Projects

## Modules (Grades 9<sup>th</sup> to 12<sup>th</sup>)

- Python Foundations & Advanced Topics
- Data Structures & Algorithms
- GenAI Concepts & Text Generation
- APIs, Web Scraping & Data Gathering
- Machine Learning & Model Training
- Image & Audio GenAI
- Game Dev/Interactive Apps with AI
- Ethics, Bias & Social Impact
- Capstone Projects & Showcase

## Revolutionary Features

- GenAI-Powered Coding Assistant in controlled environment: Instant help, suggestions, and debugging
- Visual Code Execution: See exactly how code runs line-by-line
- Project Gallery: Access hundreds of example projects and templates
- Collaborative Environment: Share projects and learn from peers
- Cross-Platform Access: Works on any device with internet connection



# The future belongs to Schools that lead with AI

## National AI Olympiad™ Foundation

For School Students | Grades 6–8 and 9–12

Stage 1

### Olympiad Exam

50 MCQs | 90 Minutes

Stage 2

### Hands-on Project

Mentorship | Showcase

Be a part of  
AI Leader-Board

Register your School Today!

