

GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
DEPARTMENT OF SCHOOL EDUCATION & LITERACY

RAJYA SABHA
UNSTARRED QUESTION NO. 4191
ANSWERED ON 01.04.2026

Introduction of Artificial Intelligence in school curriculum

4191 **Shri Milind Murli Deora:**

Will the Minister of *Education* be pleased to state:

- (a) whether Government proposes to introduce Artificial Intelligence (AI) in the school curriculum from Class III onwards from the academic session 2026–27;
- (b) the objectives and pedagogical framework guiding this initiative;
- (c) whether CBSE and NCERT have constituted expert panels to develop curriculum content and teacher-training modules under the National Initiative for School Heads' and Teachers' Holistic Advancement (NISHTHA) programme;
- (d) the estimated cost and resource requirements for implementation; and
- (e) whether the Ministry proposes periodic evaluation mechanisms to assess learning outcomes and digital readiness among students?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF EDUCATION
(SHRI JAYANT CHAUDHARY)

(a) to (e): The National Education Policy (NEP) 2020 has emphasized the importance of Artificial Intelligence (AI) and its role in school curriculum. Under “Curricular Integration of Essential Subjects, Skills, and Capacities”, the policy mentions that “4.24. Concerted curricular and pedagogical initiatives, including the introduction of contemporary subjects such as Artificial Intelligence, Design Thinking, Holistic Health, Organic Living, Environmental Education, Global Citizenship Education (GCED), etc. at relevant stages will be undertaken to develop these various important skills in students at all levels.”

The Ministry of Education (MoE) is progressively integrating AI into school education to enhance learning outcomes, improve accessibility, and strengthen pathways for employability and vocational readiness. The National Curriculum Framework for School Education (NCF-SE) 2023 views AI as a core 21st-century skill, giving students computational thinking and problem-solving for a fast-changing job market. Accordingly, Department of School Education & Literacy (DoSE&L) has directed the National Council of Educational Research & Training (NCERT) and Central Board of Secondary Education (CBSE) to collaborate on developing age-appropriate, grade-specific curriculum framework for

“Computational Thinking Integrating Artificial Intelligence” for K-12 and defining the modalities for implementing / delivering that curriculum. The objective is to develop foundational computational thinking and early AI literacy among learners from Class III onwards, fostering essential competencies such as problem-solving, data literacy, critical thinking, and ethical awareness. The pedagogical framework adopts an age-appropriate approach, with experiential, activity-based, and interdisciplinary learning.

The existing NCERT textbooks of Computer Science and Informatics Practices discuss about AI, IoT and other emerging technologies. Further, as a follow-up to the NEP 2020 and National Curriculum Framework for School Education (NCF-SE) 2023, NCERT has constituted a Textbook Development Team to develop syllabi and textbooks of Artificial Intelligence for Grades 11 and 12. NCERT’s new textbooks for grades 3-8 integrate components of computational thinking across subject areas. At foundational stage, e-Jaadui Pitara has been developed, which is supported by three AI bots i.e. Katha Sakhi, Teacher Tara and Parent Tara, specifically for parents and teachers as it empowers them to create engaging, enjoyable, and interactive learning experiences for children aged 3-8 years. Further, Central Institute of Education Technology (CIET), NCERT under digital education initiative, has introduced personalized adaptive learning features in Digital Infrastructure for Knowledge Sharing (DIKSHA), in respect of higher grades. Further, NCERT has developed National Initiative for School Heads' and Teachers' Holistic Advancement (NISHTHA) module on AI for the middle stage.

The Ministry of Skill Development and Entrepreneurship launched a national level initiative SOAR (Skilling for AI Readiness), which aims to embed AI awareness and foundational skills among school students (Classes 6–12) and to build AI literacy among educators. SOAR comprises three progressive 15-hour modules for students—AI to be Aware, AI to Acquire, and AI to Aspire—and one independent 45-hour module for teachers titled AI for Educators. The program introduces concepts such as AI basics, generative AI, AI in daily life, programming fundamentals, ethics, cybersecurity and future career opportunities.

Further, to ensure that educators remain informed about emerging technologies, the Ministry of Education and NCERT are organizing regular capacity building/consultation workshops with stakeholders. These workshops are aimed at identifying innovative, education-specific AI solutions and understanding best practices in responsible AI deployment. NCERT conducts online webinars encompassing topics related to creation and dissemination of e-content, Content-Pedagogy-Technology integration, use of Information and Communication Technology (ICT) in teaching-learning and assessment, Open Educational Resources (OER), use of various ICT tools in teaching learning and assessment, OER, use of ICT tools, creation of AR/VR contents, mobile app and AI based platforms etc. Details of the webinars and workshops conducted are available at <https://ciet.ncert.gov.in/webinar>. The DIKSHA team is also continuously working on incorporating new AI-based features and tools to support teachers in classroom instruction, assessment, and personalized learning. Furthermore, NCERT regularly conducts AI Awareness, Ethical Usage, & AI Tools Training for NCERT Faculties. In addition, relevant self-paced online courses on Artificial Intelligence are offered by CBSE and NCERT. Autonomous bodies like Navodaya Vidyalaya Samiti and Kendriya Vidyalaya Sangathan provide training and capacity-building

programs for its teachers through various reputed institutes such as IITs to ensure the effective integration of AI in classrooms.

AI is a cutting-edge technology and is continuously evolving through research and usage. A Centre of Excellence for AI in Education is being set up by the Ministry of Education, which in collaboration with a consortium of industry partners and start-ups would facilitate the latest research and universal best-case practices to be incorporated in school curriculum for pedagogical skill interventions. Further, NCERT and CBSE are partnering with leading industry and academic institutions including Intel, IITs, Sector Skill experts and Bhashini to design high-quality, contextual, and ethically aligned AI content for schools. These initiatives collectively support the integration of AI education, capacity building of teachers, and responsible adoption of emerging technologies in schools.
