

**GOVERNMENT OF INDIA  
MINISTRY OF EDUCATION  
DEPARTMENT OF SCHOOL EDUCATION AND LITERACY**

**RAJYA SABHA  
UNSTARRED QUESTION NO. 220**

**ANSWERED ON 24/07/2024**

**AI in Education**

**220 Shri Pramod Tiwari:**

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

- (a) whether Government proposes to use Artificial Intelligence for improving both the quality of education and teaching skills of teachers;
- (b) if so, the details thereof;
- (c) whether the National Education Policy 2020 has recommended introduction of AI as a subject; and
- (d) if so, the steps taken so far for its integration with the curriculum?

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF EDUCATION**

**(Shri Jayant Chaudhary)**

(a) to (d) The National Education Policy (NEP) 2020 emphasizes the development of holistic, well-rounded individuals equipped with key 21st-century skills. It recognizes the importance of integrating contemporary subjects and emerging technologies into the curriculum at appropriate stages. These include Artificial Intelligence (AI), IoT, 3D printing, blockchain, robotics, Design Thinking, Holistic Health, Organic Living, Environmental Education, and Global Citizenship Education (GCED). The policy aims to develop crucial skills in students at all levels through these curricular and pedagogical initiatives.

In line with this vision, the Central Board of Secondary Education (CBSE) introduced 'Artificial Intelligence' in its affiliated schools in 2019. The AI curriculum is designed to foster understanding and appreciation of AI and its real-world applications. It is offered as a 12-hour module for class VIII students and as a skill subject for classes IX to XII.

Furthermore, the National Council of Educational Research and Training (NCERT), under the Ministry of Education, Government of India, has launched an innovative platform called eJaadui Pitara. This platform incorporates three AI bots to deliver digital resources to parents and teachers, specifically targeting the foundational stage of education.

NCERT also organizes online webinars for professional development of students, teachers, teacher educators and researchers, on AI and its relevance in education. The webinar covers various themes related to Educational Technology (ET) and Information and Communication Technology (ICT) in education. The webinar encompasses topics related to creation and dissemination of e-contents,

Content - Pedagogy - Technology integration, use of Information and Communication Tools (ICT) in teaching-learning and assessment, Open Education Resources (OER), use of various ICT tools, creation of Augmented Reality/Virtual Reality (AR/VR) contents, mobile app and AI based platforms etc. So far, more than 1,100 such sessions have been organized. Details are available at <https://ciet.ncert.gov.in/webinar>.

\*\*\*\*\*