

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

RAJYA SABHA
UNSTARRED QUESTION NO. 348

ANSWERED ON 22/07/2026

Modernising school education for the AI age

348 Shri Kartikeya Sharma:

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

- (a) the steps being taken to modernise school-education infrastructure, including the setting up of smart classrooms in schools and colleges with particulars for the State of Haryana and the budget spent thereon and to upgrade teachers' skills, especially in artificial intelligence-enabled education;
- (b) whether any analysis has been undertaken of the impact of online and AI-assisted learning, alongside declining attention spans, on learning outcomes; and
- (c) whether Government proposes to reorient school and college curricula towards critical thinking, communication and employability, while strengthening digital infrastructure in schools?

ANSWER

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

(a): Education is part of the Concurrent List of the Constitution and most of the Government schools are under the administration of the State Government and its bodies. Ministry of Education implements ICT and Digital initiatives under Samagra Shiksha to enhance the quality of education by integrating modern technology into teaching and learning processes. Under the scheme, funds are provided for setting up ICT Labs and Smart Classrooms in Government and Government Aided Schools having classes VI to XII, according to the requirements of the State submitted in the Annual Work Plan & Budget (AWP&B).

As per PRABANDH Portal, till date 1,30,453 ICT Labs and 1,17,705 Smart Classrooms in the States/UTs are functional. The State of Haryana has been sanctioned a total of 1,300 ICT Labs and 3,484 Smart Classrooms with a budgetary expenditure of Rs 8012.5 lakh and Rs 7238.74 lakh, respectively, through Samagra Shiksha and PM SHRI Scheme. In the State, 98.75% schools have available digital resources such as ICT Labs, Smart Classrooms, Language Labs, Atal tinkering Labs, Stem Labs, Tablets, LED TV with Digital Content and Internet.

One-week residential training on AI fundamentals, predictive analytics and Robotics and 3D printing was organised for 110 teachers at CSIR-Imtech Chandigarh. On DIKSHA portal as of now 1,28,070 beneficiaries including users from Haryana have undertaken various Courses on Artificial Intelligence (AI) and Computational Thinking (CT).

(b): The State of Haryana has informed that SCERT Haryana continuously reviews the implementation of digital learning through classroom observations, training feedback, assessment data and field monitoring.

(c): The National Education Policy (NEP) 2020 emphasises a multidisciplinary and holistic approach to school education by integrating vocational education and life skills in School Education with a focus on promoting critical thinking, communication skills, experiential learning, employability and strengthening digital infrastructure. In line with this vision, the National Curriculum Framework for School Education (NCF-SE), developed in line with the provisions of the NEP 2020, provides for the introduction of vocational education from Grade 6 onwards under the Centrally Sponsored Scheme of Samagra Shiksha. The scheme provides for exposure to Skill Education for students of Classes VI–VIII through Pre-vocational Education, including 10 Bagless Days, a separate off-textbook experiential learning programme of 10 days and Kaushal Bodh, the NCERT activity-based textbook series. These initiatives aim to provide students with their first structured exposure to the world of work through meaningful, project-based learning.

For students of Classes IX–XII, Skill Education is integrated by offering skill courses aligned with the National Skills Qualifications Framework (NSQF). Skill modules are offered as an additional subject at the Secondary level (Classes IX–X), and as an elective subject at the Senior Secondary level (Classes XI–XII). The skill courses are selected based on the prescribed notional hours, age and educational qualifications and their suitability for school students. The implementation of Skill Education under Samagra Shiksha aims to enhance the employability and entrepreneurial abilities of the students, thereby ensuring equitable access to quality Skill Education across all regions of the country. To support this, NCERT (through PSSCIVE) has made resources available on the DIKSHA platform, including a dedicated Vocational Education vertical aligned with NSQF with 1,086 e-contents, 50 Virtual Skill Labs (Hindi & English) and Digital resources supporting skill-based and job-role-oriented learning.

To support informed career choices, a comprehensive Career Guidance Book featuring 500 career cards aligned with NEP 2020, offering students early exposure to diverse career pathways has been brought out by this Ministry.

SCERT Haryana has been implementing competency-based and experiential learning through various initiatives like the STEM Manch programme (2023–26, reaching 4,000+ Science and Maths teachers), Online course by SCERT on 21st century skills (2025–26, training 2000+ officers and mentors) and computational thinking and coding (2026–27). The State has launched National Education Policy Evaluation and Validation (NEEV) portal covering colleges and schools, that has helped strengthen integration of critical thinking, creativity, communication, collaboration and problem-solving skills in classroom practices along with continuous professional development (2024–26, covering 100 schools) and expanded digital pedagogy with 17,000+ e-resources on the Haryana DIKSHA repository. Additionally, SCERT supports effective use of digital infrastructure through Tech-Skills Clubs in 1,200 schools.
