

GOVERNMENT OF INDIA  
MINISTRY OF EDUCATION  
DEPARTMENT OF HIGHER EDUCATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO-1327**  
**ANSWERED ON 08/12/2025**

**Multidisciplinary Education and Research Improvement in Technical Education**

1327. Shri Brijmohan Agrawal:

Will the Minister of EDUCATION be pleased to state:

- (a) the steps taken/being taken by the Government to prepare students for emerging technologies such as Artificial Intelligence, Advance Robotics, CRISPR and other related fields;
- (b) the details of Artificial Intelligence and Computational Thinking Curriculum being prepared by the Expert Committee;
- (c) the details of the Multidisciplinary Education and Research Improvement in Technical Education along with the objectives, goals and financial outlay of the same;
- (d) the details of the criteria for selecting and supporting the institutions along with the number of institutes supported under this programme, State-wise; and
- (e) the details of the number of students intended to benefit from this programme?

**ANSWER**

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

**(DR. SUKANTA MAJUMDAR)**

(a) and (b): The National Education Policy 2020 (NEP-2020) formulated by the government envisages integrating digital literacy, coding, computational thinking and merging technologies - like Artificial Intelligence (AI), Design Thinking, Holistic Health, Organic Living, Environmental Education, Global Citizenship Education (GCED), etc. across school and higher-education curricula at relevant stages to develop these important skills in students at all levels.

To achieve the objectives of NEP-2020 and ensure availability of industry relevant knowledge to students of technical education, the All-India Council for Technical Education (AICTE) has taken several steps including:

- i. Model Curriculum in areas such as Artificial Intelligence, Data Science, Space Technology, Electronic Engineering (VLSI Design and Technology), Robotics and etc. Due representation of industry stakeholders is ensured in the curriculum revision committees.
- ii. Memoranda of Understanding (MoU) with leading industries and organisations have been signed to facilitate internship, skilling and upskilling of students and faculty members.
- iii. Industry Academia Mobility framework launched by AICTE to facilitate connect between theoretical knowledge and practical application, facilitating collaboration between academia and industry.

- iv. In order to promote innovation and entrepreneurship, over 16,000 Institution Innovation Councils (IICs) have been established across the country, engaging more than 1 lakh faculty members and 1.5 lakh students in innovation and entrepreneurial activities.

Further, Ministry of Education and NCERT organize regular capacity building/consultation workshops. They are aimed at identifying innovative, education-specific AI solutions and understanding best practices in responsible AI deployment. The DIKSHA (Digital Infrastructure for Knowledge Sharing) portal provides new AI-based features and tools to support teachers in classroom instruction, assessment, and personalized learning.

(c) to (e): The objective of the Multidisciplinary Education and Research Improvement in Technical Education scheme is to enhance the quality, equity and governance of the technical education sector in the country by implementing reforms aligned with the National Education Policy – 2020 (NEP-2020). It has been approved by the Union Cabinet in its meeting held on 08.08.2025 with budget outlay of ₹ 4200.00 Crore for a period of five years. The scheme makes provisions for 175 State/UT government engineering institutions and 100 polytechnics from all States and UTs, extending benefits to about 5.2 lakh students. Parameters for selection of institutions, inter-alia, include no. of AICTE approved programmes, no. of undergraduate students, filled faculty positions, availability of full-time principals/ directors etc.

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