

**GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
DEPARTMENT OF HIGHER EDUCATION**

**RAJYA SABHA
UNSTARRED QUESTION NO-1141
ANSWERED ON-29/07/2026**

Skill requirement of AI era

1141 Shri Constandine Ravindran:

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

- (a) the vision of Government for transforming higher education to meet the learning and skill requirements of the Artificial Intelligence (AI) era;
- (b) the reforms introduced for promoting research-oriented learning, project-based education, interdisciplinary studies and life long learning in higher educational institutions;
- (c) the measures adopted for integrating Artificial Intelligence tools into teaching and learning while preserving critical thinking and academic integrity;
- (d) the support extended for upgrading faculty capabilities in emerging technologies; and
- (e) the action proposed for preparing students for rapidly evolving careers and future workplaces?

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF EDUCATION
(DR. SUKANTA MAJUMDAR)**

(a) to (e): Government of India has framed the National Education Policy (NEP) 2020 with an aim for holistic development of students. NEP 2020 envisions integration and use of technology in the education ecosystem including emerging technologies such as Artificial Intelligence. In line with the vision of NEP 2020, the Ministry of Education has taken several initiatives to upgrade curricula & pedagogy, strengthen faculty capacity, and develop digital infrastructure in order to create AI-ready talent pipeline.

In alignment with the vision of NEP 2020, The Ministry of Education, has established four Centres of Excellence of Artificial Intelligence (AI-CoEs) as a national initiative to strengthen India's capabilities in application of AI-enabled tools through research, innovation, and technology development across priority sectors of Health, Education, Agriculture & Sustainable Cities in IISc Bangalore, IIT-Madras, IIT-Ropar and IIT-Kanpur respectively.

Further, the Ministry of Education implements the National Apprenticeship Training Scheme (NATS) to impart on-the-job training and enhance the employability of youth. To meet the rising demand for AI talent, the Ministry has launched the AI Apprenticeship Programme under NATS. This initiative aims to develop expertise in various areas such as Data Science, Machine Learning, Application Development, Prompt Engineering, etc for graduates, diploma holders, AEDP students. Till date, more than 75000 apprentices have benefited from the AI Apprenticeship Programme.

Additionally, to upgrade the higher education curricula, the All-India Council for Technical Education (AICTE) has revised its Model Curricula by integrating Artificial Intelligence (AI), Data Science (DS), Machine Learning (ML), Cyber Security, Robotics, Quantum Computing, and other emerging technologies across technical disciplines. During the year 2025–26, more than 2100 AICTE-approved institutions offered courses in AI & other emerging area, with an approved intake of more than 2.80 lakh students.

Further, to foster a robust digital education ecosystem, Ministry of education has launched ‘Digital Infrastructure for Knowledge Sharing (DIKSHA)’ as a national digital platform for providing quality e-content for school education. DIKSHA supports AI enabled personalised adaptive learning. More than 2.29 crore users have completed learning sessions on DIKSHA by students, teachers and other stakeholders.

To leverage the potential of Information and Communication Technology, Ministry of Education is implementing the National Mission on Education through ICT (NMEICT). Under the NMEICT scheme Study Webs of Active Learning for Young Aspiring Minds (SWAYAM) platform has been launched to promote lifelong learning through free courses by premier institutions. To strengthen learners' competencies in emerging technologies, SWAYAM platform has offered over 140 AI-related courses, with more than 50 lakh enrolments in these courses so far.

To further promote project-based and experiential learning, the e-Yantra Project under NMEICT integrates automation and robotics into engineering education by providing robotics-based tools and training. So far, e-Yantra has supported hands-on training for more than 70,000 learners. To uphold research integrity and maintain academic standards, the Ministry of Education has provided Higher Education Institutions (HEIs) with Plagiarism Detection Software (PDS) under NMEICT scheme. The software has analysed more than 63 lakh documents across 1,198 HEIs so far.

Further to strengthen industry-academia linkages and enhance learners' employability, the Ministry of Education in collaboration with eminent industry partners, has also launched the SWAYAM Plus platform. The platform offers more than 500 employability-focused courses. These courses have been curated from more than 80 industry partners across 15 sectors, including Information Technology, Artificial Intelligence, Semiconductor Manufacturing, and Advanced Manufacturing etc. More than 06 lakh learners have enrolled on SWAYAM Plus platform for their Skill augmentation.

Additionally, the Malaviya Mission Teacher Training Programme (MMTTP) is a capacity building initiative of the Ministry of Education, aimed at faculty members in higher education institutions. Under MMTTP, the Capacity Building Programme on Artificial Intelligence (CBAI) has been introduced for faculty members. The programme aims to modernise pedagogical practices and support the integration of emerging technologies within the higher education ecosystem. In addition to CBAI, MMTTP offers a range of Short-Term Programmes (STPs) and Refresher Courses (RCs) including on E-Content Development, AI and Online Pedagogy. More than 100 such programmes have been conducted benefiting more than 13000 participants across these two initiatives.
