

GOVERNMENT OF INDIA  
MINISTRY OF EDUCATION  
DEPARTMENT OF HIGHER EDUCATION

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 2912**  
ANSWERED ON 26.03.2025

**Quality of technical education**

2912 # **Ms. Indu Bala Goswami:**

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

- (a) whether Government is considering to run any special program for the quality of technical education;
- (b) if so, the details thereof;
- (c) whether efforts are being made by Government to enhance the existing capacity of technical institutions; and
- (d) if so, the details thereof?

**ANSWER**

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

(a) to (d): The National Education Policy (NEP) 2020 aims to transform and improve the quality of education in the country and to provide a standard of education that is inclusive, equitable, and of high quality, empowering learners for the future and contributing to national development. NEP 2020 also promotes research and innovations by Higher Education Institutes (HEIs) by setting up start-up incubation centres; technology development centres; centres in frontier areas of research; greater industry-academic linkages; and interdisciplinary research including humanities and social sciences research.

All India Council for Technical Education (AICTE), a statutory body under the Ministry of Education, grants approval for conducting courses in Technical Education at diploma, undergraduate and post graduate levels to Technical Institutions, Institutions deemed to be Universities and standalone institutions.

To achieve the objectives of NEP 2020 and enhance quality of technical education, AICTE has taken a several steps including:

- Model Curriculum has been developed in areas such as Artificial Intelligence, Data Science, Space Technology, Electronic Engineering (VLSI Design and Technology), Robotics and Artificial Intelligence etc. Due representation of Industry stakeholders is ensured in the curriculum revision committees.
- Memoranda of Understanding (MoU) with leading industries and organisations have been signed to facilitate internship, skilling and upskilling of students and faculty members.

- Issued model internship guidelines for technical courses. Internship is mandatory component of Model Curriculum issued by AICTE for different courses. These guidelines provide internship in full-time or part-time.
- Industry Academia Mobility framework launched by AICTE to facilitate connect between theoretical knowledge and practical application, facilitating collaboration between academia and industry.

The Ministry of Education in collaboration with IIT Madras and eminent Industry Partners have launched SWAYAM Plus platform on 27th February 2024, expanding its offerings to identify and include courses aligned with industry needs and to enhance learners' employability. The platform provides high - quality learning and certification programs from the leading industry and academia to the students/ learners which can help them in reskilling and upskilling and making them employment ready. 63 MoUs with the leading industries partners have been signed. As on 14th March 2025, more than 372 Courses are available on the platform and more than 1.74 lakhs learners have enrolled on this platform for their Skill enhancement.

For capacity building of the faculty, the Ministry of Education established four National Institute of Technical Teachers Training & Research (NITTTRs) at Bhopal, Chandigarh, Chennai and Kolkata. The NITTTRs train faculty and staff of the technical education system.

Various capacity building programs such as NEP Orientation and Sensitization Programme, Faculty Induction Program, Short Term Program, Refresher Courses, Nurturing Future Leadership Program, Capacity Building Program on Specific Learning Disabilities, Capacity Building for Design and Entrepreneurship, Academic Leadership Program, Capacity Building Program for Promoting Positive Mental Health Resilience & Wellbeing in HEIs, are implemented under Malaviya Mission Teacher Training Program (MMTTP).

The Faculty Development Programme (FDP) of AICTE provides financial assistance to for up-gradation of knowledge and skill to teachers.

\*\*\*\*\*