GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP
RAJYA SABHA
STARRED QUESTION NO. *393
ANSWERED ON 01.04.2026

UPGRADATION OF ITIs IN UTTAR PRADESH

*393 SHRI SANJAY SETH:

Will the Minister of SKILL DEVELOPMENT AND ENTREPRENEURSHIP be pleased to state:

(a) the progress in upgrading the infrastructure and curriculum of Industrial Training Institutes (ITIs) across Uttar Pradesh;

(b) whether the introduction of new-age courses in robotics, IoT and green energy has successfully increased student enrolment;

(c) the details of Central funds proactively utilized to equip ITIs in Uttar Pradesh with modern laboratories and cutting-edge machinery in 2025-26;

(d) the positive impact of mandatory industry tie-ups on improving the campus placement rates for ITI graduates; and

(e) the steps taken to promote dual-system training where students divide their learning seamlessly between the ITI and the factory floor?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI JAYANT CHAUDHARY)

(a) to (e): A statement is laid on the table of the House

STATEMENT REFERRED TO IN REPLY TO PART (A) TO (E) OF RAJYA SABHA STARRED QUESTION NO. *393 ANSWERED ON 01.04.2026 ASKED BY SHRI SANJAY SETH REGARDING "UPGRADATION OF ITIS IN UTTAR PRADESH"

(a) & (b) The Government has launched Pradhan Mantri Skilling and Employability Transformation through Upgraded ITIs (PM-SETU) scheme for the infrastructure upgradation of Industrial Training Institutes (ITIs) across the country including the State of Uttar Pradesh. The scheme envisages to enhance the overall quality and relevance of vocational training with upgraded labs, machines, and industry-aligned curriculum in the country. The Scheme has a total outlay of Rs. 60,000 crores (Central Share – Rs. 30,000 crore, State Share – Rs. 20,000 crore and Industry Share – Rs. 10,000 crore).

The key objectives of the scheme are:

i. To improve the quality of training delivery in ITIs and National Skill Training Institutes (NSTIs);
ii. To modernize infrastructure and equipment as per industry standards;
iii. To introduce industry-aligned long-term and short-term courses, especially in new and emerging sectors;
iv. To strengthen industry linkage for demand-driven skilling and better employment outcomes; and
v. To enhance the capacity of National Skill Training Institutes (NSTIs) for training of trainers.

The scheme comprises of two components:

Component I – Upgradation of 1,000 Government ITIs (200 Hub ITIs and 800 Spoke ITIs) in a Hub and Spoke model wherein upgradation includes smart classrooms, modern labs, digital content, and new courses aligned to industry needs.

Component II – Capacity Augmentation of five NSTIs located in Bhubaneswar, Chennai, Hyderabad, Kanpur, and Ludhiana, including setting-up sector-specific National Centres of Excellence for skilling, with focus on advanced training of trainers with global partnership.

Under the PM-SETU scheme, industry participation in curriculum design, training delivery and apprenticeship opportunities is strengthened through an industry-led governance model. The industry-led Special Purpose Vehicle (SPV) is provided the necessary autonomy to propose modifications in the curriculum by introducing new courses and upgrading existing courses as per industry requirements. The scheme focuses on improving employability outcomes through industry-led governance and aims to enable learners to acquire industry-relevant skills, gain exposure to real work environments, and access career guidance, placement support and self-employment opportunities through strengthened institutional systems and industry linkages.

Upgradation of curricula for ITI training programmes is a continuous process and is generally undertaken every three years. To meet the demands of the modern economy and emerging technologies in the industrial sector, new courses are continuously developed and existing courses are upgraded in consultation with industry, academia and States/UTs. The courses are updated by incorporating new technologies and the latest tools, equipment and machinery in the curricula, keeping in view the requirements of emerging technologies. During the last three years, 14 Craftsmen Training Scheme (CTS) courses, 15 short-term courses and 07 Flexi-MoU courses have been developed and approved by National Council for Vocational Education and Training (NCVET). Additionally, 22 courses have been revised and approved to further align training with industry requirements. The list is attached at **Annexure-I**.

Under CTS, 31 New Age Courses, including Green Hydrogen Production Technician and Internet of Things Technician, have been introduced in ITIs. The enrolment of trainees in ITIs across the country in the New Age Courses has increased from 8,611 in session 2022-23 to 42,338 in session 2025-26. The list of these 31 New Age Courses is at **Annexure-II**.

(c) Release of funds under PM- SETU for Upgradation of ITIs is contingent upon the formation of SPV. MSDE is carrying out necessary consultations to support and handhold States/UTs across various aspects of scheme roll-out. At present, proposals regarding upgradation of ITIs is yet to be received from State Steering Committee for consideration or approval of National Steering Committee (NSC).

It is pertinent to mention that the Ministry has made significant progress in enabling States/UTs to move forward. 35 States/UTs have identified clusters, 32 have formed State Steering Committees, 25 have created State Budget Heads, 19 have floated EOIs for AIPs, and 12 have floated RFPs for inviting interest of industry.

(d) Mandatory industry linkages, including provisions such as On-the-Job Training (OJT), facilitate structured engagement between ITIs and industry. This exposure enables trainees to acquire hands-on experience in real work environments, align their skills with industry requirements, and develop essential employability competencies such as communication, teamwork, and work ethics. Such industry-integrated training enhances the job-readiness of ITI graduates and improves their prospects for wage employment. Further, Under the PM-SETU scheme, industry-led Special Purpose Vehicles (SPVs) would lead the upgradation and be empowered to propose necessary interventions relating to curriculum redesign, training delivery models, infrastructure upgradation and industry exposure, in alignment with local industry needs and the Scheme guidelines.

(e) The Directorate General of Training (DGT) under the aegis of the Ministry of Skill Development and Entrepreneurship (MSDE) is implementing the Dual System of Training (DST) in ITIs under the CTS to strengthen industry linkage in skill training. Under DST, a substantial portion of practical training is conducted at industry premises, enabling trainees to gain hands-on experience on modern tools, equipment and machinery, thereby enhancing their employability. This enables industries to train candidates according to their skill requirements while providing trainees with hands-on industry experience aligned with market demand.

With effect from the academic session 2023–24, all new affiliations granted in the third shift in ITIs have been made mandatory under DST mode, thereby promoting the adoption of DST mode across ITIs. Enrolment in ITIs under DST during the last two sessions was 33,566 in 2024–25 and 39,136 in 2025–26

Further, the proportion of trainees enrolled under DST relative to the total number of trainees in an ITI has been incorporated as a parameter in the Data Driven Grading Methodology (DDGM) for grading of ITIs, with higher enrolment under DST resulting in a higher score under the said parameter.

In addition, the Strategic Advisory and Reforms Taskforce for Holistic ITI Transformation (SARTHI) has been constituted under the chairmanship of the Minister of State (Independent Charge), MSDE, to provide advisory inputs on curriculum development and standardization, trade testing and certification reforms, accreditation and regulatory norms for ITIs, strengthening of industry–institute linkages, and facilitation of inter-ministerial and institutional coordination under the CTS.

ANNEXURE-I

ANEEXURE REFERRED TO IN REPLY TO PART (A) & (B) OF RAJYA SABHA STARRED QUESTION NO. *393 ANSWERED ON 01.04.2026 ASKED BY SHRI SANJAY SETH REGARDING "UPGRADATION OF ITIS IN UTTAR PRADESH")

A. 14 New CTS Courses:

Sl. No.	Trade Name
1	Green Hydrogen Production Technician
2	Industrial IoT Technician
3	Semiconductor Technician
4	Basohli Painting Artist
5	Carpet Weaving Artisan – Handloom
6	Hand Embroidery Artisan
7	Shawl Weaving Artisan
8	Wood Carving Artisan
9	Paper Mache Artisan
10	Traditional Phulkari Artisan
11	Nursery & Orchard Technician
12	Artificial Intelligence Programming Assistant
13	Cyber Security Technician
14	Food Processing Equipment Technician

B. 15 new Short-Term Courses:

Sl. No.	Trade Name
1	Basics of Cybersecurity
2	Basics of Generative Artificial Intelligence (AI)
3	Basics of IT Skills
4	Introduction to Artificial Intelligence (AI)
5	Fundamentals of Computer Aided Manufacturing (CAM)
6	Fundamentals of CNC Programming and Operation
7	Basics of Repair and Maintenance of Metal Cutting Machines
8	Fundamentals of Heating Ventilation and Air Conditioning
9	Introduction to Industry 4.0
10	Fundamentals of IoT Application and Maintenance
11	Fundamentals of Semiconductor Technology
12	Railway Signalling
13	Railway Track Maintenance
14	Welding (GMAW and GTAW)
15	Railway Electrical – TRD (Traction Distribution)

C. 07 new Flexi-MoU Courses:

Sl. No.	Trade Name
1	Automotive Manufacturing Technician
2	Vehicle Technician
3	Automotive Air-conditioner Manufacturing Technician
4	Automotive Logistics Technician
5	Automotive Quality Inspection Technician
6	Industrial Fitter
7	Industry Integrated Electrician

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (A) & (B) OF RAJYA SABHA STARRED QUESTION NO. *393 ANSWERED ON 01.04.2026 ASKED BY SHRI SANJAY SETH REGARDING "UPGRADATION OF ITIS IN UTTAR PRADESH"

List of 31 New Age Trades running in ITIs:

S. No.	Trade Name
1	Additive Manufacturing (3D Printing) Technician
2	Aeronautical Structure and Equipment Fitter
3	Artificial Intelligence Programming Assistant
4	Advanced CNC Machining Technician
5	Computer Aided Manufacturing (CAM) Programmer
6	Cyber Security Assistant
7	Data Annotation Assistant
8	Drone Pilot (Junior)
9	Drone Technician
10	Engineering Design Technician (Artisan Using Advanced Tool)
11	Fiber to Home Technician
12	Geo Informatics Assistant
13	Green Hydrogen Production Technician
14	Industrial Internet of Things (IIoT) Technician
15	Industrial Robotics and Digital Manufacturing
16	Information Technology
17	Internet of Things Technician (Smart Agriculture)
18	Internet of Things Technician (Smart City)
19	Internet of Things Technician (Smart Healthcare)
20	Manufacturing Process Control & Automation
21	Mechanic Electric Vehicle
22	Multimedia, Animation & Special Effects
23	Semiconductor Technician
24	Small Hydro Power Plant Technician
25	Smartphone Technician Cum App Tester
26	Software Testing Assistant
27	Solar Technician (Electrical)
28	Technician Mechatronics
29	Virtual Analysis and Designer – FEM (Finite Element Method) (Basic Designer and Virtual Verifier)
30	Wind Plant Technician
31	5G Network Technician

*****