

GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP
LOK SABHA
UNSTARRED QUESTION NO. 2430
ANSWERED ON 03-08-2026

ITI INFRASTRUCTURE IN KARNATAKA

2430: SHRI P C MOHAN:

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

- (a) the number of Industrial Training Institutes (ITIs) established and existing ITIs upgraded in Karnataka since 2014, including the 15 ITIs upgraded under the Public-Private Partnership (PPP) scheme and 22 ITIs upgraded under the UDYOGA Programme;
- (b) the status of Tata Technologies partnership with the State Government of Karnataka to modernise 150 Government ITIs across the State, and the funds utilised/invested so far;
- (c) the number of National Skill Training Institutes and other Central Field Institutes operating in Bengaluru under the Regional Directorate of Skill Development and Entrepreneurship, Karnataka; and
- (d) the curriculum reforms and future-ready trades, including Computer Numerical Control (CNC), Electric Vehicle (EV) and green energy technician courses, introduced in Karnataka's ITIs to align with emerging industry requirements?

ANSWER

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

(SHRI JAYANT CHAUDHARY)

(a) The Directorate General of Training (DGT) under the aegis of Ministry of Skill Development & Entrepreneurship (MSDE) runs the Craftsmen Training Scheme (CTS), implemented mainly through the Industrial Training Institutes (ITIs). The ITIs are under the administrative and financial control of the respective State Governments. However, DGT has supported the upgradation of ITIs as per the needs highlighted by State/UT Governments including the State of Karnataka through various schemes, such as the Upgradation of Existing Government ITIs into Model ITIs, Upgradation of 1396 Government ITIs through Public Private Partnership (PPP) and the Skill Strengthening for Industrial Value Enhancement (STRIVE) Scheme.

As per the information received from the State of Government of Karnataka, the total number of new ITIs established since 2014 is 141 out of which 112 are Government ITIs and 29 Private ITIs.

Details of ITIs upgraded in the State of Karnataka under various Centrally Sponsored Schemes are given at **Annexure-I**.

(b) Under the UDYOGA Project of the Government of Karnataka, a Memorandum of Agreement (MoA) was signed between the Government of Karnataka and Tata Technologies Ltd. and 150 Government ITIs were upgraded in coordination with TATA Technologies Ltd.

The total project cost is Rs 4,636.50 crore, with 88% of the cost contributed by Tata Technologies Ltd. and the remaining 12% by the Government of Karnataka. In addition, Rs. 220 crore has

been allocated by the Government of Karnataka for the creation of civil infrastructure, including workshops and technology laboratories.

(c) As on date, two (02) Central Field Institutes (CFIs) are operational in Bengaluru, namely, (i) National Skill Training Institute, Bengaluru; and (ii) National Skill Training Institute (Women), Bengaluru.

(d) DGT has developed 170 NSQF-compliant courses, including 32 New Age/ Future Skills courses, under CTS for addressing the need of the future ready job-roles in areas of Artificial Intelligence (AI), Mechatronics, Computer Numerical Control (CNC), Electric vehicle (EV), Green Energy and other emerging technologies across the country. These courses are delivered through a nationwide network of ITIs and National Skill Training Institutes (NSTIs) with durations of six months, one year, and two years. The list of these new-age courses is at **Annexure-II**.

To meet the demand of modern economy and latest technology in the industrial sector, new courses are continuously developed and existing courses are also upgraded in consultation with Industries, academia and State/ UT. The courses are upgraded by incorporating the new technology, latest tools, equipment and machineries in the curricula in view of requirements of emerging technology.

In addition to the above, the Government of Karnataka has also introduced 23 Short terms courses under the UDYOGA project in co-ordination with Tata Technology Ltd. The list of these courses is at **Annexure-III**.

ANNEXURE REFERRED TO IN REPLY TO PART (A) OF LOK SABHA UNSTARRED QUESTION NO. 2430 ANSWERED ON 03-08-2026 ASKED BY SHRI P C MOHAN REGARDING “ITI INFRASTRUCTURE IN KARNATAKA”

Details of the existing ITIs upgraded under the various centrally sponsored schemes are given below:

(i) Skill Strengthening for Industrial Value Enhancement (STRIVE) & Upgradation of existing Government ITIs into Model ITI are given below:

Sl.	Name of the project	No. of upgraded ITIs
i.	STRIVE	Government ITIs - 21 Grant-in-Aid ITIs- 01 Total ITIs – 22 ITIs
ii	Upgradation of existing Govt. ITIs into Model ITIs	Government ITIs- 02

(ii) 76 Government ITIs in Karnataka were upgraded under the centrally sponsored scheme “Upgradation of 1396 Government ITIs through Public Private Partnership” as per the table below:

Sl. No.	Year	No. of Govt. ITIs
i	2007-08	26
ii	2008-09	26
iii	2009-10	23
iv	2010-11	01
	Total	76

Under the scheme, an interest free loan upto Rs. 2.5 crore directly to each IMC of ITI for upgradation of ITI.

ANNEXURE REFERRED TO IN REPLY TO PART (D) OF LOK SABHA UNSTARRED QUESTION NO. 2430 ANSWERED ON 03-08-2026 ASKED BY SHRI P C MOHAN REGARDING “ITI INFRASTRUCTURE IN KARNATAKA”

List of 32 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
32	Nuclear Power Plant Technician

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List of 23 Short terms courses introduced by the Government of Karnataka under the UDYOGA project:

S. No.	Trade Name
1	Assistant (Innovation and Design Thinking)
2	Product Assistant (3D Modeling)
3	Product Associate (3D Modeling)
4	Technician (Auto Electrical Design)
5	Product Verifier and Analyst
6	Jr. Technician (Automobile Teardown and Benchmarking)
7	Jr. Technician (Advanced Automobile)
8	Jr. Technician (Automobile Repair & Maintenance)
9	Jr. Technician (Auto Electrical Maintenance)
10	Jr. Technician (Electric Vehicle)
11	Jr. Technician (Internet of Things)
12	Assistant CAM Programmer (CNC Lathe)
13	Assistant CAM Programmer (CNC Milling & Turn Mill)
14	Operator (CNC Milling Machine)
15	Operator (CNC Turning Machine)
16	Programming and Operating Associate (Advanced CNC Machines)
17	Jr. Process Technician (Additive Manufacturing)
18	Jr. Welding Technician (Simulation Techniques)
19	Jr. Painting Technician (Simulation Techniques)
20	Technician (Process Control & Automation)
21	Jr. Robot Operator and Programmer - Material Handling
22	Jr. Robot Operator and Programmer - Arc Welding
23	Technician (Plumbing)
