

GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP
LOK SABHA
UNSTARRED QUESTION NO - 1796
ANSWERED ON – 10/03/2025

DEMAND OF TECHNOLOGIES LIKE AI, 5G AND CYBER SECURITY IN INDUSTRY

1796. SHRI BALABHADRA MAJHI:

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

- (a) whether restructuring of the Skill India Programme ensures greater integration with the demands of the industry and emerging technologies like AI, 5G and cyber security, if so, the details thereof;
- (b) the steps taken by the Government to address the skill gaps identified in the Periodic Labour Force Survey through the restructuring of the Skill India Programme; and
- (c) whether any specific provisions have been made under the restructuring of the said Programme to ensure that skills acquired through the programme are internationally recognized?

ANSWER

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

(SHRI JAYANT CHAUDHARY)

(a) The Skill India Programme (SIP) comprises three schemes (i) Pradhan Mantri Kaushal Vikas Yojana 4.0 (PMKVY 4.0), (ii) Pradhan Mantri National Apprenticeship Promotion Scheme (PM-NAPS), and (iii) Jan Shikshan Sansthan (JSS) Scheme, ensure greater integration with the demands of the industry and emerging technologies like AI, 5G, Cyber security, IoT, Blockchain, and Cloud Computing, across the country including Jalgaon Constituency of Maharashtra.

Under PMKVY 4.0, to keep pace with evolving industry demands and advent of new age technology, 400+ new courses on AI, 5G technology, Cyber security, Green Hydrogen, Drone Technology, have been introduced, focusing on emerging technologies and future skills. Under PM-NAPS, apprenticeship training is being offered in prevailing manufacturing including emerging fields such as Data Scientist, Business Intelligence Analyst, IoT Software Analyst, Machine Learning Engineer, and Mechanic EV. Under JSS, skill courses are aligned with the One District One Product (ODOP) and local needs of the respective district.

Under SIP, in PMKVY 4.0, 3,52,963 candidates have been trained/ oriented in future skills as on 31.12.2024.

Additionally, under SIP, in NAPS scheme, a total of 1,458 apprentices have been engaged across key emerging sectors as on 31.12.2024 including 778 apprentices in Artificial Intelligence, 38 in Cyber security, and 642 in Mechanic Electric Vehicle

(b) The Ministry of Skill Development and Entrepreneurship (MSDE) regularly assesses skilling requirements from domestic, international, and hyperlocal markets through skill gap studies, industry consultations, and District Skill Development Plans (DSDPs). The initiative also emphasizes continuous upskilling and reskilling to ensure the workforce remains adaptable and industry-ready.

(c) All skill trainings imparted under the SIP are aligned with National Skill Qualification Framework (NSQF) which is a standardized National framework for credit assignment and accumulation. NSQF encourages internationalization of skills through credit transfer provisions making these credits more acceptable and transferable internationally. It enables wider recognition and acceptance of Indian education and skilling by other countries through international equivalence, promoting exchange with foreign skilling bodies and institutions.
