

GOVERNMENT OF INDIA  
MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 3788**  
ANSWERED ON 25.03.2026

**AI TRAINING FOR YOUTH**

3788. SHRI RAJEEV SHUKLA:

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

- (a) whether Government has undertaken any research regarding the need for AI related technology training for youth in the country, if so, the details thereof;
- (b) details of specific AI programmes launched along with total number of youth enrolled during the last five years in the country, year-wise/State-wise, particularly from Chhattisgarh;
- (c) details regarding the funds allocated and utilized for AI and programmes during the last five years, State-wise, especially in Chhattisgarh; and
- (d) details regarding the steps undertaken to ensure that training programmes are aligned with industry needs and provide employable skills for youth in the AI and tech sectors?

**ANSWER**

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

(SHRI JAYANT CHAUDHARY)

- (a) Yes, studies have been conducted regarding the need for AI-related technology training for youth in the country.

A study by the IT-ITeS Sector Skill Council under NASSCOM in 2023 and 2025 highlights this requirement. The 2023 report identified that skills such as AI, Big Data Analytics, and IoT have a demand–supply gap of over 50%, indicating a significant shortage of trained professionals.

The 2025 report, explains that emerging technologies like Artificial Intelligence and Generative AI are rapidly transforming job roles, skill requirements, and hiring trends in the IT and ITeS sector. It also emphasizes the need for continuous reskilling and upskilling of the workforce to keep pace with these changes.

These studies are used to identify skill requirements and inform the design of training programmes aligned with emerging technology areas.

- (b) The Government has launched multiple programmes to provide AI-related training to youth since 2023. The details are as follows:

**I. Under PMKVY 4.0:**

Under PMKVY 4.0, a total of 51,051 candidates have been enrolled in AI job roles (such as AI-Business Intelligence Analyst, Data Engineer, Data Scientist, Machine Learning Engineer, DevOps Engineer, Solution Architect, and specialised Pharmacovigilance Case Processing using AI tools) as per data available on the Skill India Digital Hub (SIDH) portal up to 31-Dec-2025. The details of State-wise enrolment in AI job roles under PMKVY 4.0 are at **Annexure-I**.

Training under PMKVY 4.0 is demand-driven, and centres are set up by training partners based on demand and capacity, with the scheme supporting training and certification costs; therefore, availability of infrastructure may vary across States. The Government has promoted expansion of training infrastructure through initiatives such as Skill Hubs. There has been no enrolment in AI job roles in Chhattisgarh under PMKVY 4.0, which may stem from the State's training demand following local industry demand, with industry partners tending to prioritize sectors where livelihoods are more immediate.

**II. Under Skilling for AI Readiness (SOAR):**

Ministry of Skill Development and Entrepreneurship (MSDE) launched the Skilling for AI Readiness (SOAR) initiative under the Skill India Mission on 22nd July 2025. Under SOAR, foundational AI literacy courses - namely

AI to be Aware, AI to Acquire, AI to Aspire and AI for Educators - were introduced to build basic awareness, conceptual understanding, and responsible use of AI among students, educators and learners. The initiative has been expanded to include courses covering AI for jobs, workplace productivity and inclusivity, and sector-specific applications. Courses are delivered through the Skill India Digital Hub (SIDH) in a digital, self-paced learning model, aligned with the National Skills Qualifications Framework (NSQF). The details of State/UT-wise enrolment under SOAR as on 19.03.2026 are at **Annexure-II**. Chhattisgarh has recorded 5,272 enrolments under SOAR.

### **III. Under the Directorate General of Training (DGT) - NSTIs and ITIs:**

In collaboration with Microsoft India, the SkillsSaksham program was conducted for training in AI and Digital Productivity in National Skill Training Institutes (NSTIs) (240-hour in-depth program) and ITIs (60-hour in-breadth program). Approximately 17,500 students across 14 NSTIs and 70+ ITIs were trained between 2023-25.

The Craftsmen Training Scheme (CTS) course on AI Programming Assistant was started in 19 NSTIs in 2024. A total of 327 students completed the 1,600-hour training and On-the-Job Training (OJT). For the academic session 2025-26, 410 students are undergoing training in 22 NSTIs across the country. The State-wise details of NSTIs offering AI Programming Assistant training are at **Annexure-IV**.

In collaboration with IBM India, a 3-tier programme for students of ITIs and NSTIs and trainers has been initiated. The course framework includes AI, Machine Learning (ML), and other courses from the IBM SkillsBuild platform.

A short-term programme (240 hours) on AI and digital productivity skills and a short-term programme (45 hours) for AI skilling in non-IT trades are being considered for implementation in ITIs and NSTIs.

### **IV. Under Skill India Digital Hub (SIDH):**

The SIDH platform hosts over 120 AI-related digital learning courses from industry partners such as UpGrad, Oracle, Microsoft, HCLTech, Intel, and NIELIT, with multilingual content ranging from foundational AI awareness (e.g., 'AI for All') to advanced courses (e.g., Generative AI, Machine Learning, Prompt Engineering).

(c) The details of funds utilized for AI job roles under PMKVY 4.0 State-wise up to 31-Dec-2025 are given at **Annexure-III**. A total of ₹14,36,68,513.03 has been utilized across States under PMKVY 4.0 for AI job roles.

(d) To align with industry needs and provide employable skills for youth in the AI and tech sectors, the Government has undertaken the following measures:

- Development and revision of National Skills Qualifications Framework (NSQF)-aligned qualifications based on inputs from industry stakeholders, Sector Skill Councils, and employer groups. Demand-driven NSQF-aligned courses have been introduced across multiple sectors including IT-ITeS, electronics, automotive, manufacturing, and construction to strengthen industry alignment. District-level inputs from District Skill Committees (DSCs) are used to enhance local relevance of emerging job roles.
- Under PMKVY 4.0, implementation is being decentralised with a focus on District Skill Committees and Skill Hub Institutions to enhance last-mile outreach.
- Sectoral skill gap studies and industry consultations are conducted by SSCs to guide curriculum updates. These findings are used to design new courses and training programmes aligned with emerging technology areas.
- Introduction of future-skills job roles and promotion of industry-linked training models, including apprenticeships and on-the-job training.
- Courses under SOAR are delivered through the SIDH, with integrated assessment and certification systems to provide formal recognition of skills.
- Employment facilitation is supported through industry partnerships, on-the-job training, apprenticeships, Rozgar Melas and job fairs organised across States, along with digital services such as mobilisation, assessments, job matching and career counselling through SIDH.
- The Government has been expanding these initiatives by integrating future-ready skill programmes in collaboration with academic institutions, industry partners, and Sector Skill Councils, leveraging digital platforms for wider access and monitoring.

**ANNEXURE REFERRED TO IN REPLY TO PART (B) OF RAJYA SABHA UNSTARRED QUESTION NO. 3788 ANSWERED ON 25.03.2026**

**PMKVY 4.0 - State-wise Enrolment in AI Job Roles as per SIDH Reports till 31-Dec-2025**

<b>State</b>	<b>FY 2023-24 to FY 2025-26</b>
Andhra Pradesh	4,401
Arunachal Pradesh	30
Assam	260
Bihar	2,641
Gujarat	632
Haryana	1,325
Himachal Pradesh	170
Jammu And Kashmir	2,129
Karnataka	17,602
Kerala	544
Madhya Pradesh	1,540
Maharashtra	2,865
Odisha	936
Puducherry	61
Punjab	1,013
Rajasthan	1,316
Tamil Nadu	3,399
Telangana	6,021
Tripura	60
Uttar Pradesh	3,115
Uttarakhand	831
West Bengal	160
<b>Total</b>	<b>51,051</b>

## ANNEXURE REFERRED TO IN REPLY TO PART (B) OF RAJYA SABHA UNSTARRED QUESTION NO. 3788 ANSWERED ON 25.03.2026

## State/UT-wise Enrolment under SOAR (Skilling for AI Readiness) as on 19.03.2026

State/UT	Total Enrolled
ANDAMAN AND NICOBAR ISLANDS	209
ANDHRA PRADESH	21,689
ARUNACHAL PRADESH	276
ASSAM	8,802
BIHAR	20,852
CHANDIGARH	291
CHHATTISGARH	5,272
GOA	341
GUJARAT	9,987
HARYANA	9,074
HIMACHAL PRADESH	2,920
JAMMU AND KASHMIR	6,851
JHARKHAND	5,977
KARNATAKA	14,358
KERALA	5,944
LADAKH	54
LAKSHADWEEP	10
MADHYA PRADESH	16,077
MAHARASHTRA	44,079
MANIPUR	1,380
MEGHALAYA	536
MIZORAM	85
NAGALAND	172
NEW DELHI	8,842
ODISHA	8,879
PONDICHERY	397
PUNJAB	5,289
RAJASTHAN	14,389
SIKKIM	133
TAMIL NADU	13,909
TELANGANA	9,895
THE DADRA AND NAGAR HAVELI AND DAMAN AND DIU	2,884
TRIPURA	1,720
UTTAR PRADESH	56,696
UTTARAKHAND	3,834
WEST BENGAL	15,143
<b>Total</b>	<b>3,17,246</b>

**ANNEXURE REFERRED TO IN REPLY TO PART (C) OF RAJYA SABHA UNSTARRED QUESTION NO. 3788 ANSWERED ON 25.03.2026**

**Funds Utilized under PMKVY 4.0 for AI Job Roles - State-wise during the FY 2023-24 to FY 2025-26 (up to 31-Dec-2025) (Amount in ₹)**

<b>State</b>	<b>Fund Utilized</b>
ANDHRA PRADESH	98,96,261.85
Assam	19,81,741.20
BIHAR	1,44,21,398.46
GUJARAT	39,96,907.22
HARYANA	61,76,430.43
HIMACHAL PRADESH	9,42,094.40
JAMMU AND KASHMIR	1,40,45,434.96
KARNATAKA	72,25,086.36
KERALA	12,70,312.50
MADHYA PRADESH	72,00,508.61
MAHARASHTRA	45,03,461.78
ODISHA	19,13,566.19
PUNJAB	47,68,242.01
RAJASTHAN	81,95,216.76
TAMIL NADU	1,68,74,900.94
TELANGANA	1,02,42,505.01
TRIPURA	2,89,899.00
UTTAR PRADESH	1,99,38,102.55
UTTARAKHAND	97,86,442.80
<b>Grand Total</b>	<b>14,36,68,513.03</b>

**ANNEXURE REFERRED TO IN REPLY TO PART (B) OF RAJYA SABHA UNSTARRED QUESTION NO. 3788 ANSWERED ON 25.03.2026**

**NSTIs Offering AI Programming Assistant (CTS Course) - State-wise Enrolment (2024 & 2025)**

S. No.	NSTI Name	State	2024 Enrolled	2025 Enrolled
1	NATIONAL SKILL TRAINING INSTITUTE(W), Patna	BIHAR	11	24
2	National Skill Training Institute (Women), Vadodara	GUJARAT	23	24
3	NSTI Srinagar Extension Centre	JAMMU AND KASHMIR	0	22
4	National Skill Training Institute (Women), Bangalore	KARNATAKA	17	12
5	National Skill Training Institute (NSTI)(Campus-I), Bengaluru	KARNATAKA	13	22
6	National Skill Training Institute (Women), Trivandrum	KERALA	0	21
7	National Skill Training Institute, KOZHIKODE	KERALA	24	24
8	National Skill Training Institute(W), Indore	MADHYA PRADESH	24	24
9	National Skill Training Institute (Women), Mumbai	MAHARASHTRA	24	18
10	National Skill Training Institute, Mumbai	MAHARASHTRA	19	24
11	National Skill Training Institute, Ludhiana	PUNJAB	15	24
12	National Skill Training Institute (Women), Jaipur	RAJASTHAN	19	24
13	National Skill Training Institute, Jodhpur	RAJASTHAN	17	19
14	National Skill Training Institute, Chennai	TAMIL NADU	20	20
15	National Skill Training Institute, Ramanthapur, Hyderabad	TELANGANA	20	23
16	National Skill Training Institute (Women), Vidyanagar, Hyderabad	TELANGANA	22	21
17	National Skill Training Institute (Women), Noida	UTTAR PRADESH	39	47
18	National Skill Training Institute (W), Allahabad	UTTAR PRADESH	21	24
19	National Skill Training Institute, Kanpur	UTTAR PRADESH	16	24
20	National Skill Training Institute, Haldwani	UTTARAKHAND	0	24
21	National Skill Training Institute (Women), Kolkata	WEST BENGAL	19	24
22	NATIONAL SKILL TRAINING INSTITUTE (NSTI), KOLKATA	WEST BENGAL	18	23

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