# NSDC is the central architect of the Skill Development ecosystem in India

### Digital Platforms

a. Skill India Digital for skilling needs of all
b. Digital innovation

### Industry Connect

a. Sector Skill Councils
b. Employers
c. Staffing Agencies

### Opportunity Creation

a. Jobs
b. Apprenticeship
c. Entrepreneurship

### Thought Leadership

a. Skill Gap (Domestic/ International)
b. Impact Evaluation
c. Program Analytics
d. Labour Market and Sectoral Analysis

### Policy, program, and schemes

a. Central/ State Governments programs
b. Fee based skilling programs

### Integration with Education

a. Skill hubs in Schools, Universities, Colleges
b. National Credit and Curriculum Framework
c. Partnerships with Academia

### Capacity Building

a. Sector Skill Councils/Assessment Agencies
b. Training Providers
c. Trainers/ Assessors/ Counsellors
d. National Skills Qualification Framework (NSQF) and aligned content and curriculum

### Financing Solutions

a. Financial Institutions and NBFCs
b. CSR/ Individual Donors
c. Soft Loans for skilling
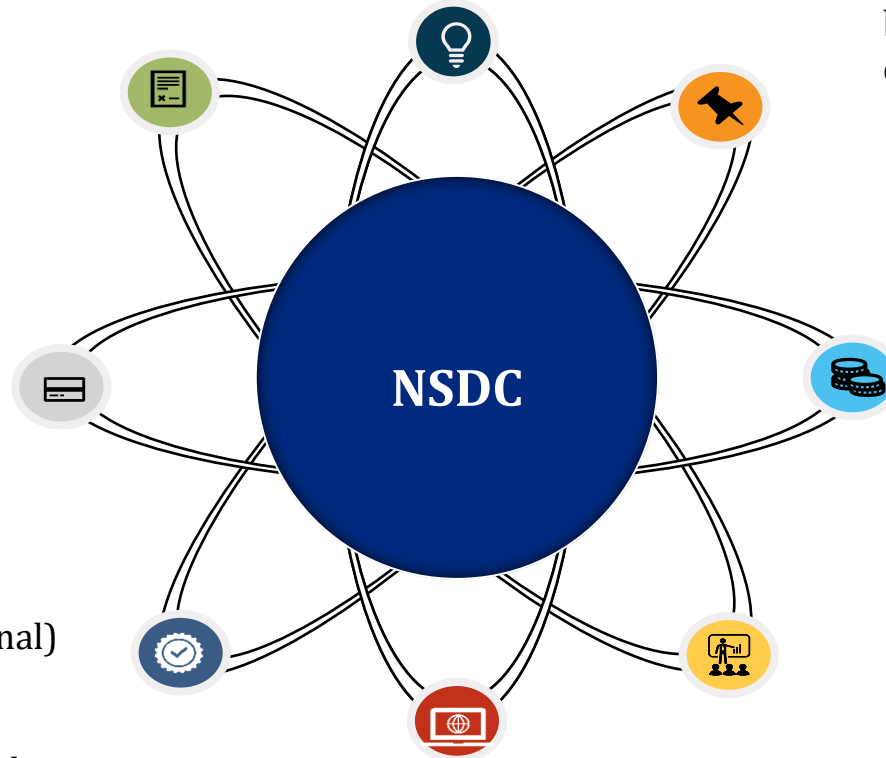d. Impact Bond
e. Skill Loans for students

### Quality Management

a. Regulators (NCVET etc.)
b. Monitoring

### Skill Advisory

a. International workforce mobility and training
b. Strategic support to skilling agencies/regulators/government

**NSDC**

# We are a Public Private Partnership (PPP) with majority shareholding with private sector

**1** Not-for-profit PPP set up in 2008, now under the aegis of the Ministry of Skill Development and Entrepreneurship (MSDE), Govt of India

**2** Create a demand driven skilled workforce to enable India's youth to become future ready

**3** Facilitate skill training in partnership with industry and training providers

**Our Share Capital**

Government of India 49%

[CATEGORY NAME]* [PERCENTAGE]
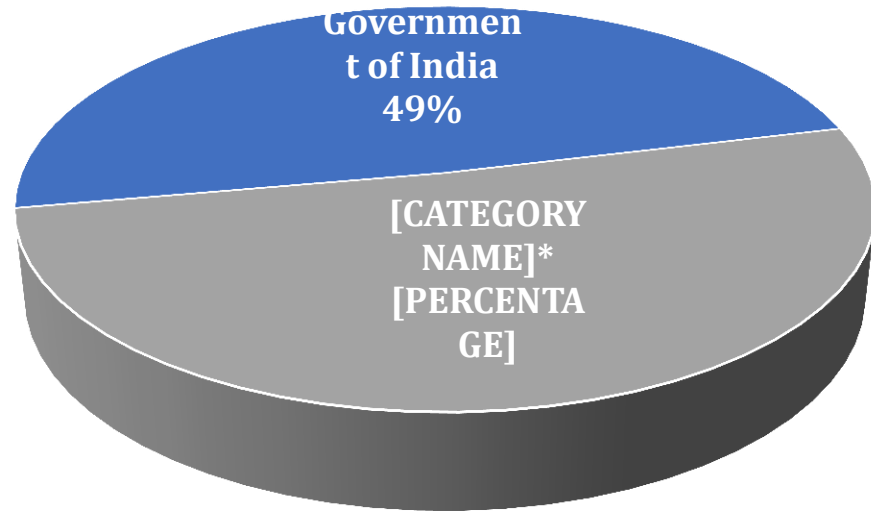
*10 business chambers and industry associations with 5.1% shareholding each*

# Our Vision, Mission and Values

## Vision

*To become "World's largest platform for Skills for All, Opportunities for All, Anytime, Anywhere."*

### Core Values

**Innovation**
Digital First

**Integrity**
Trust, Transparency

04

01

03

02

**Inclusion**

Access, Affordability, Discovery

**Impact**
Planet, People, Prosperity
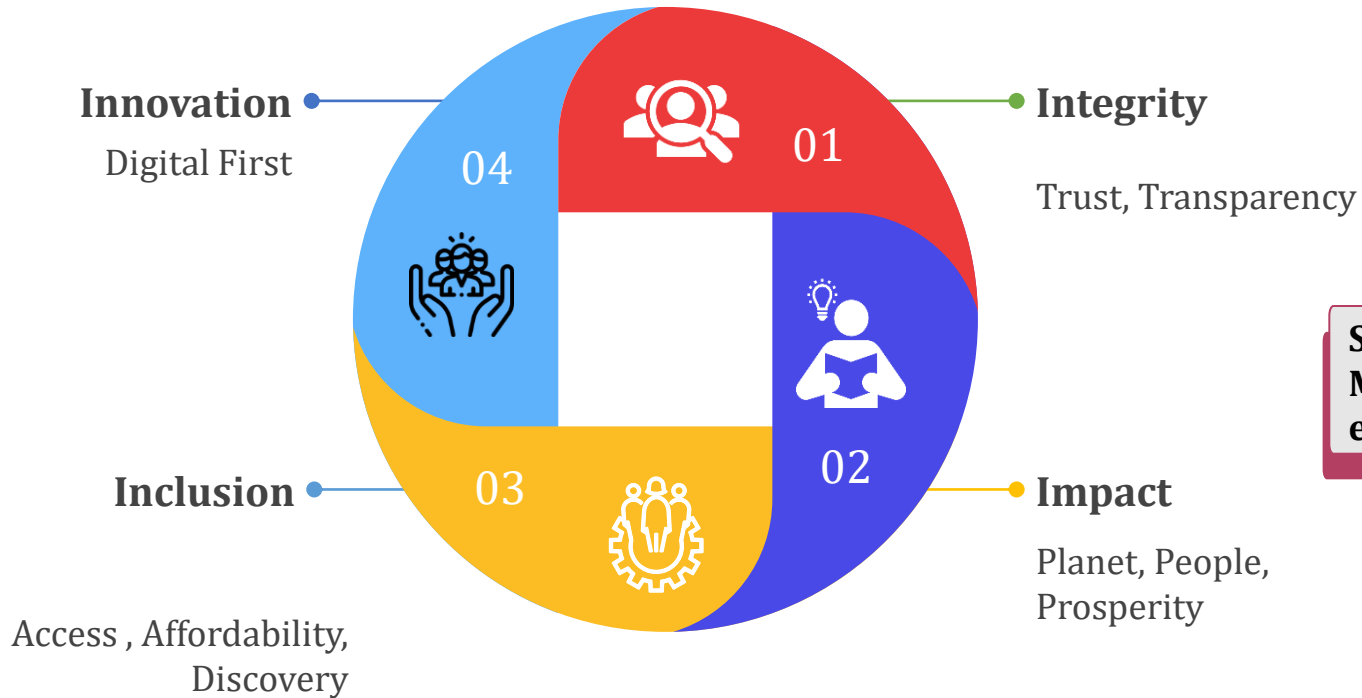
### Mission 2025

**Skill/Reskill/Upskill 25 Mn Individuals**

**Skill/Reskill/ Upskill 15 Mn disadvantaged socio economic groups**

**Set up 50000 skill centres**

# We cater to a large universe of stakeholders

## Ecosystem

| | | | | |
|---|---|---|---|---|
| 2,500+ | 2300+ | 1500+ | 36 | 15+ |
| QPs created | Model Curriculum created | Courses on eSkill India | Sector Skill Councils | Countries engaged with for international mobility |

## Network

| | | | | |
|---|---|---|---|---|
| 13K+ | 38K+ | 690+ | 1.10L+ | 52K+ |
| Schools for vocational education | Establishments engaging Apprentices | Model Training centres | Trained Trainers | Assessors Trained |

## Outreach

| | | | | |
|---|---|---|---|---|
| 30 Mn+ | 1.9 Mn+ | 2.5 Mn+ | 1.2 Mn+ | 640+ |
| Students Trained | Apprentices | Course Enrolments on eSkill India | Entrepreneurs oriented | Industry Partners |

# Achievements of NSDC so far



**30 Mn+**
Candidates Trained

**8.9 Mn+**
Candidates Placed

**27k+**
Training Centres in PMKVY

**14.5 Mn+**
Women Trained

**4.6 Mn+**
SC/ STs Trained

**0.6 Mn+**
PwD Trained

**52k+**
Assessors Trained

**1.10L+**
Trainers Trained

**INR 16 Bn+**
Loan Disbursed

**640+**
Skilling Partners

**750+**
Districts covered

**36**
Sector Skill Councils
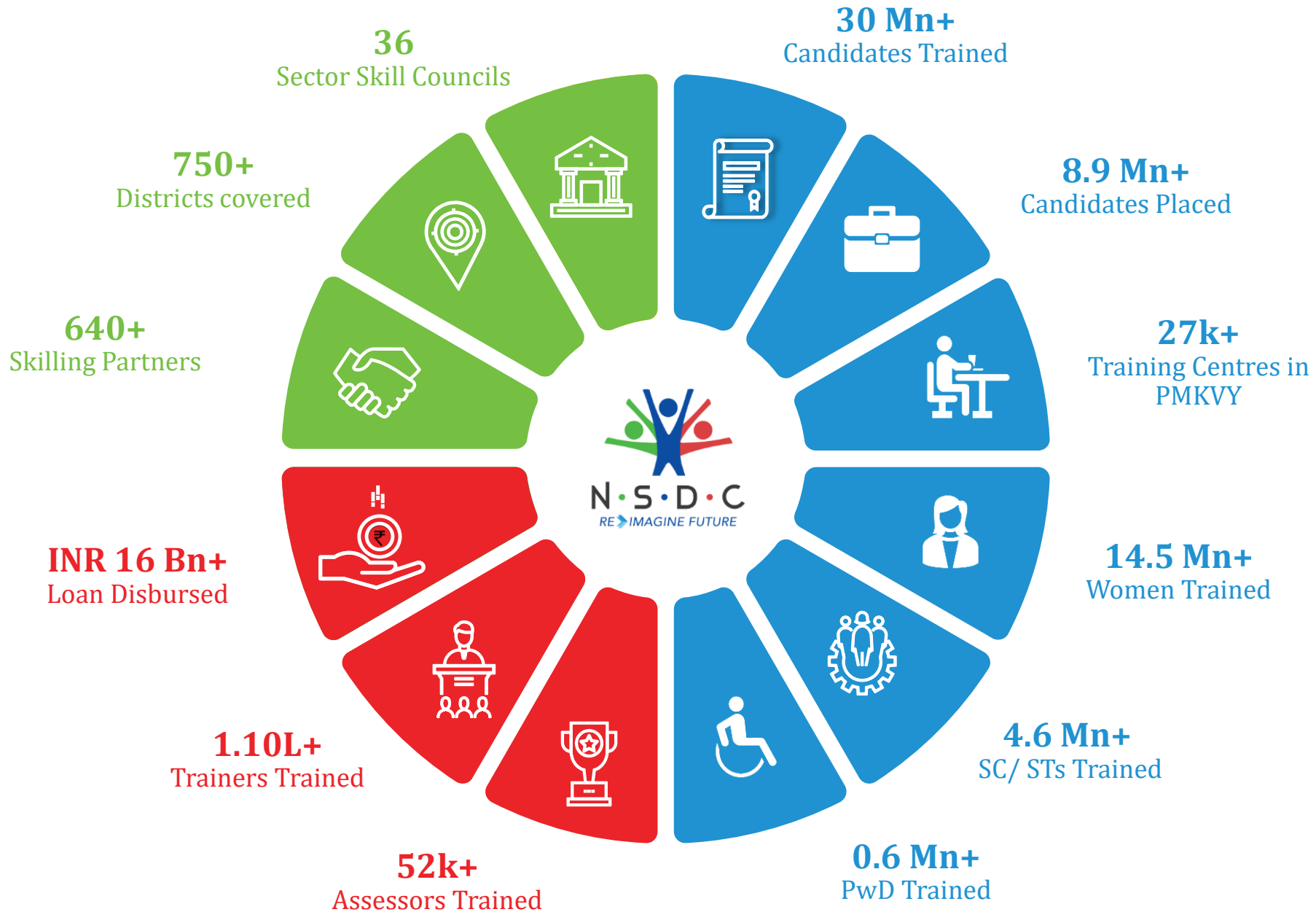
Outreach
Network
Capacity Building

6

# Skilling in Clean Technology

| PMKVY | Fee-Based | NAPS | Overall |
|---|---|---|---|
| **1.1 Lakhs +** <br> Trained | **37K+** <br> Trained | **1500+** <br> Enrolled | **1.48 Lakhs+** <br> Trained |
| **30 States** <br> Covered | **25 States** <br> Covered | **14 States** <br> Covered | **30 States** <br> Covered |
| **8 Job Roles** | **27 Job Roles** | **9 Job Roles** | **33 Job Roles** |
| **4 Sector** | **4 Sectors** | **2 Sectors** | **4 Sectors** |

Sectors: Green Jobs, Electronics, Agriculture, Textile, Entrepreneurial skills

# Skilling in Clean Technology (Contd.)

## State wise performance
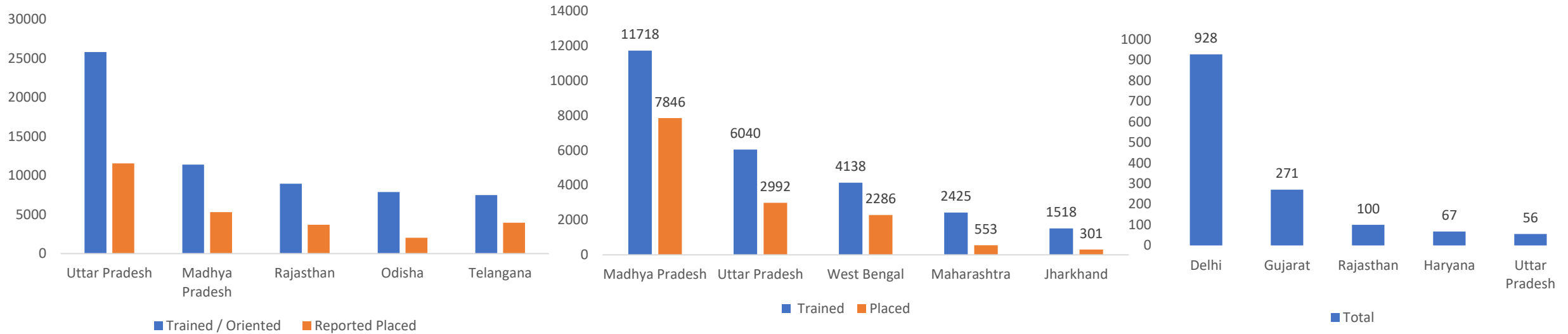


### PMKVY

Top 5 States cover 52.5% of overall training in clean technology

### FEE-BASED

Top 5 States cover nearly 70 % of overall training in clean technology
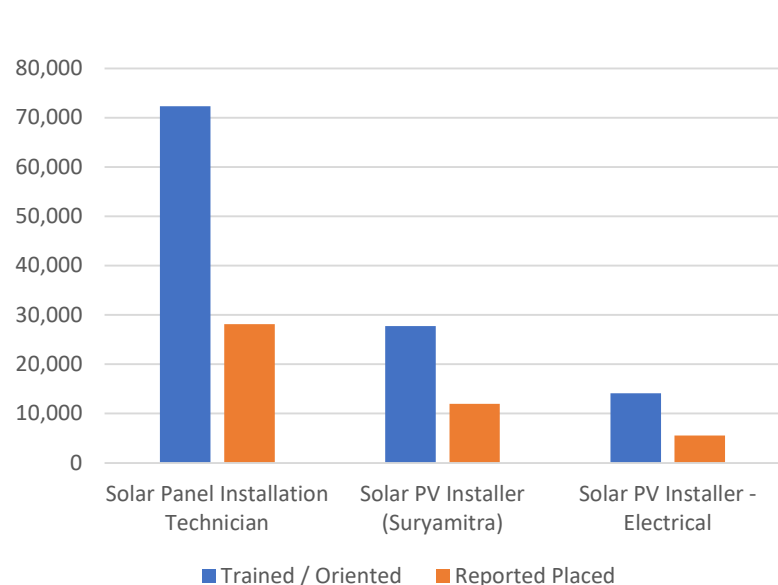
### NAPS

Top 5 States cover 93.5% of overall training in clean technology

**Trainings are highly concentrated in top 5 states in clean technology under Fee-based and NAPS. Overall UP and MP are lead runners in providing clean technology related skills**
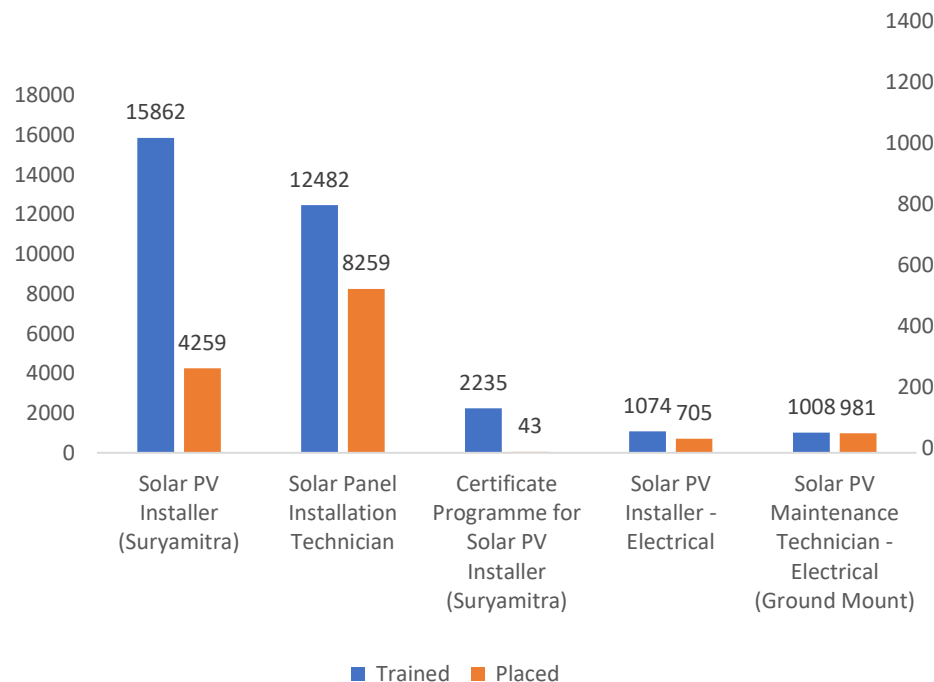
# Skilling in Clean Technology (Contd.)

## Top Job roles



**PMKVY**

Top 3 Job roles cover nearly 97.5 % of overall training in clean technology

**FEE-BASED**

Top 5 Job roles cover nearly 87 % of overall training in clean technology
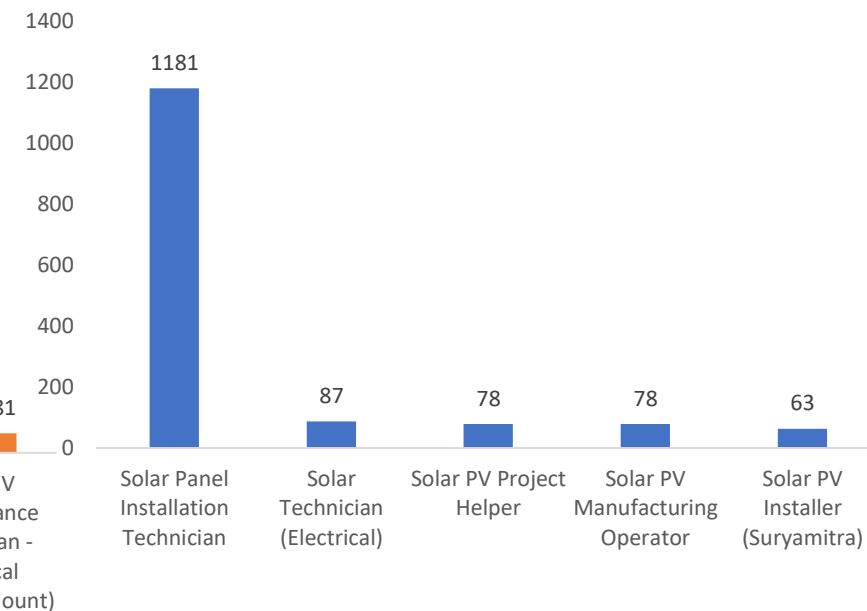
**NAPS**

Top 5 Job roles cover nearly 97 % of overall training in clean technology

**Trainings are highly concentrated in top job roles in clean technology across all skilling domains with solar related skilling leading the race**

## How do we do it?

- ✓ **NSDC Impact**
- ✓ NSDC Digital
- ✓ NSDC International
- ✓ NSDC Academy
- ✓ NSDC Finance

# NSDC Impact

**More than 30 Mn+ candidates trained through grant based and fee based schemes**

**PMKVY**
PRADHAN MANTRI KAUSHAL VIKAS YOJANA
**14 Mn+ Trained**

NATIONAL APPRENTICESHIP PROMOTION SCHEME
NAPS
*On the job skilling*

**38,000+**
Active Organizations
**1.1 Mn+**
candidates engaged
(optional trade)

सत्यमेव जयते
**Ministry of Education**
Government of India

**13000+**
Schools
Vocationalization of
School Education

SKILL HUBS
Integrating skills and education
for a New India

**1,957 Skill hubs** in schools, HEIs

Lifelong Learning
Upskilling / Reskilling

**690+** Model training centres

**16 Mn+** Trained through fee-based courses

Industry-Ready
Workforce

## Impact Evaluation Study

**1.8 times more likely to get employed**
Trained and certified candidate vs comparison group (STT)

**Increase of 25% in income for RPL** candidates in their before training and current levels

**15% higher average monthly income**
Trained and certified candidate vs comparison group (STT)

**75%** More prepared for current employment

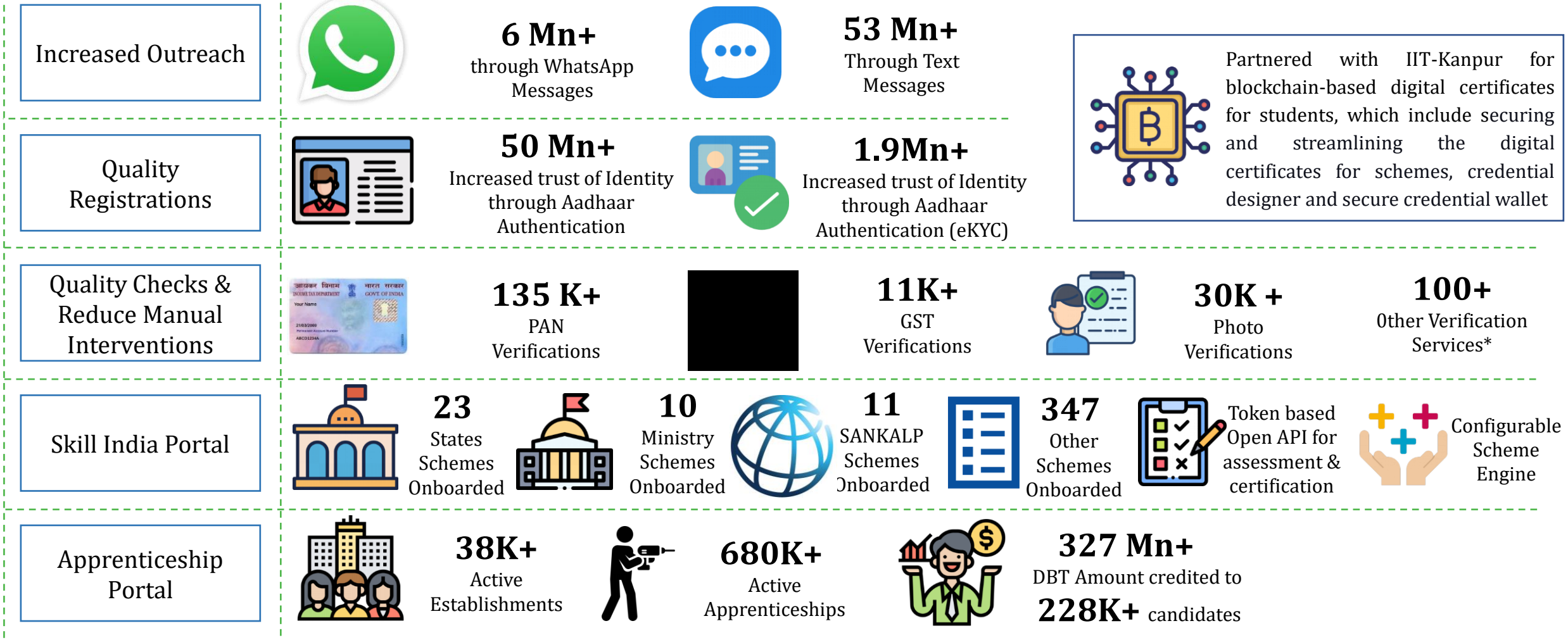**75%** Improved technical skills

**77%** Improved soft skills

**79%** Increased confidence of getting

11

## How do we do it?

- ✓ NSDC Impact
- ✓ **NSDC Digital**
- ✓ NSDC International
- ✓ NSDC Academy
- ✓ NSDC Finance

# NSDC Digital – NSDC's Service Tool Kit

| Increased Outreach | **6 Mn+** through WhatsApp Messages | **53 Mn+** Through Text Messages |
|---|---|---|

Partnered with IIT-Kanpur for blockchain-based digital certificates for students, which include securing and streamlining the digital certificates for schemes, credential designer and secure credential wallet

| Quality Registrations | **50 Mn+** Increased trust of Identity through Aadhaar Authentication | **1.9Mn+** Increased trust of Identity through Aadhaar Authentication (eKYC) |
|---|---|---|

| Quality Checks & Reduce Manual Interventions | **135 K+** PAN Verifications | **11K+** GST Verifications | **30K +** Photo Verifications | **100+** Other Verification Services* |
|---|---|---|---|---|

| Skill India Portal | **23** States Schemes Onboarded | **10** Ministry Schemes Onboarded | **11** SANKALP Schemes Onboarded | **347** Other Schemes Onboarded | Token based Open API for assessment & certification | Configurable Scheme Engine |
|---|---|---|---|---|---|---|

| Apprenticeship Portal | **38K+** Active Establishments | **680K+** Active Apprenticeships | **327 Mn+** DBT Amount credited to **228K+** candidates |
|---|---|---|---|

* Includes services such as Driving License verification, Passport verification, Bank Account verification , Shop Establishment verification , Voter ID verification , Electricity Bill verification , PNG verification , LPG verification , Telephone-landline verification.

# Skill India Digital Platform – Key Features

**CONTINOUS LEARNING (ALUMNI)**

    a.   Social Networking
    b.   Discussion Forum

**SKILL INDIA DIGITAL MAP**

    a.   Locate – TCs, Courses
    b.   TPs can locate – candidates, employers

**DISCOVERY**

    a.   Free Content and Services
    b.   Success stories
    c.   Discover courses, centers, employer & other

**SKILL CARD**

    a.   Digital Verified Credentials for Learners
    b.   Portable credentials
    c.   Physical skill card with QR code

**DECISION TOOL**

    a.   Training Centre Location
    b.   Course Fee
    c.   Course Duration
    d.   Rating of TC, Course, Trainer and Assessor
    e.   List of Courses
    f.   Course Type
    g.   Employment opp

**ASSESSMENT & CERTIFICATION**

    a.   Assessment on Demand
    b.   Assessor Rating
    c.   Badges, Credits

**RECOMMENDATION**

    a.   Contextualization
    b.   Skill Gap Analysis
    c.   AI and ML Based career/ learning recommendations

**DIGITAL LEARNING (LMS)**

    a.   AR/VR/XR, Multimedia learning
    b.   Digital Courses
    c.   Digital Content (Free and Paid)
    d.   Quiz/ Practice Questions
    e.   Multi-modal Delivery

**JOBS/ ENTREPRENEURSHIP**

    a.   Opportunities
    b.   Mentorship
    c.   Market Linkages

**SKILLING**

    a.   Master Catalogue of Courses
    b.   Anytime Anywhere learning
    c.   Demand driven learning

# Technology Product Assisting International Workforce Mobility

## NSDCI International Workforce Mobility Platform – Powered by Certif-ID

Blockchain-powered platform that offers a secure and decentralized digital certificate infrastructure)

👤 **Candidates** - Candidates can use blockchain-generated digital credentials

👔 **Employers** - Digitally verifiable credentials would help employers to find trusted talent solutions

**Benefits**

- Blockchain based certificate issuance
- Skill Pass (Digital skills wallet, accessible and shareable)
- Candidate mobility lifecycle, connectivity & directory

- Institute dashboard and analytics
- Global job posting & applicant tracking system
- 3rd party solutions, LMS and integrations

**Current Impact: 500+ Job Openings - 05 Countries – 9 Partners**

# Award & Recognition for Digital Innovation Products

NSDC's continued efforts have earned commendation and recognition for their impact and value in helping realise the vision of Skill India. They reflect the efforts and dedication of hundreds of individuals who work tirelessly to create global-standard skills training in the country.

| S. No. | Organizer | Award Category |
|---|---|---|
| 1. | ET Ascent Business Leader of the Year Awards 2023 | Excellence in Innovation – Best Innovation product of the year |
| 2. | ET Ascent Business Leader of the Year Awards 2023 | Leaders of Tomorrow |
| 3. | ET Ascent Business Leader of the Year Awards 2023 | EduTech – Skill Development Company of the year |
| 4. | IAMAI 17th India Digital Summit | Best Tech for Education |
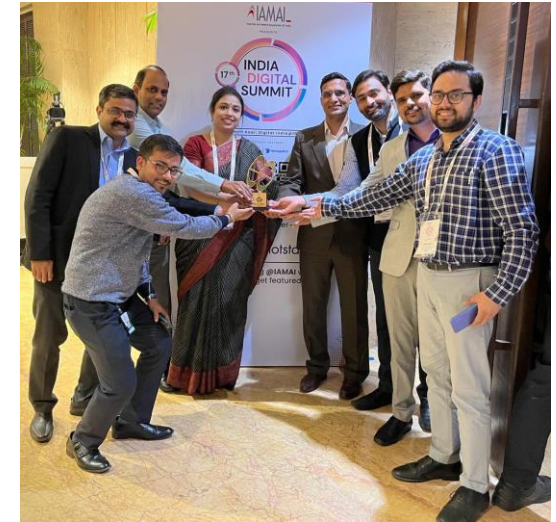
## How do we do it?

✓ NSDC Impact

✓ NSDC Digital

✓ **NSDC International**

✓ NSDC Academy

✓ NSDC Finance

# NSDC International

**Skill India** कौशल भारत - कुशल भारत

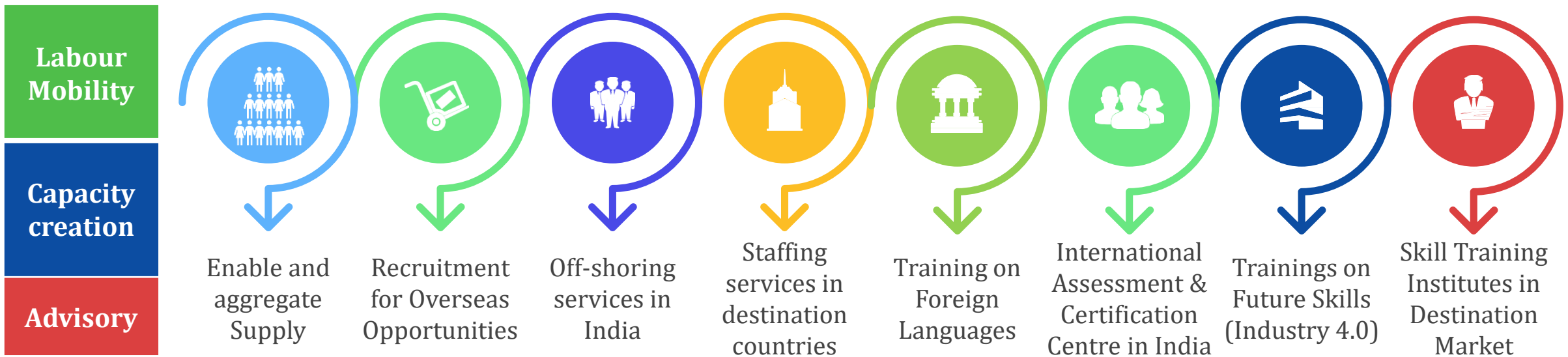**NSDC** RE-IMAGINE FUTURE

**Incorporated in Oct '21, as 100% subsidiary of NSDC to drive the Skill India International Mission**

**Ongoing engagements with – GCC countries, Australia, Japan, Malaysia, Canada, Germany, UK, Ireland, Mauritius, Jordan and Israel**

**1** Solution for Global Skill Gap by creating a pool of skilled workforce

**3** Provide Technical Advisory to overseas govts and agencies

**2** Training Institutions to support Global Career Mobility of Indian workforce

**4** Partner with International Institutions for Knowledge Exchange and Capacity Building

## Strategic Areas of Intervention

**Labour Mobility**

**Capacity creation**

**Advisory**

| Enable and aggregate Supply | Recruitment for Overseas Opportunities | Off-shoring services in India | Staffing services in destination countries | Training on Foreign Languages | International Assessment & Certification Centre in India | Trainings on Future Skills (Industry 4.0) | Skill Training Institutes in Destination Market |

### How do we do it?

✓ NSDC Impact

✓ NSDC Digital

✓ NSDC International

✓ **NSDC Academy**

✓ NSDC Finance

# NSDC Academy – Focussing on Future Skills and Vocationalization of Education

- Aligning Future Skills with Higher Education institutions to enhance employability of students
- Implementing National Education Policy 2020 – Vocationalization of Education.
- Continuous engagement with industry to track technology changes in industry ecosystem.
- Offering Skill/ Apprenticeship Embedded Degree Programmes.
- Re-Skilling/ Up-Skilling/ Multi-Skilling opportunities to address emerging skilling needs of workforce.
- Specialised teaching material, Expert lectures and live projects by Subject Matter Experts & Industry representatives

**640+ Skilling Partners**

**16.6 Million** candidates trained

**50+ futuristic skill providers**

**~97K** trained in **Futuristic Skills with 80% candidates placed**

**Futuristic Courses**

*Artificial Intelligence* | *Big Data Analytics* | *Blockchain* | *Cloud Computing* | *Cyber-security* | *Internet of Things* | *Web & Mobile Development* | *Virtual Reality* | *Robotic Process Automation* | *3D Printing*

## How do we do it?

- ✓ NSDC Impact
- ✓ NSDC Digital
- ✓ NSDC International
- ✓ NSDC Academy
- ✓ **NSDC Finance**

# NSDC Finance

## Impact Funders

- Skill Impact Bond - Outcome based approach
- Blended Finance/ Innovative Financing
- Combining debt, impact capital and philanthropic fund
- Attracting commercial capital for innovation, scale-up and expansion

## Creation of Futuristic Skill Centres

- Investing in State-of-Art Centre for Futuristic Skills
- Revenue share model (student fee share against asset utilization)

## Rating Framework

- Continuous improvement in skill ecosystem through TP rating mechanism
- Enhanced TP performance

## Skill Loans through NBFCs

- Skill loans at competitive interest rates through NSDC's Skill Loan Platform
- INR 500 Crores of Skill Loans disbursed

## Viability Gap Funding

- Long term loans for Creation of Skill Infrastructure
- Focus on placement linked futuristic skills (New age technologies/ Industry 4.0 courses)

## First Loss Default Guarantee

- Creating leverage through default guarantee on Entrepreneurship and Skill Loans
- Making skilling & entrepreneurship accessible

## CSR and Industry Sponsorship

- Hybrid products for multiple fold impact by using CSR fund levers (guarantee, seed money and capacity building of implementing agency)
- Streamlined Processes for transparency (Integrity)
- Products and Services (Inclusion and Impact)
- Models (Innovation) in CSR
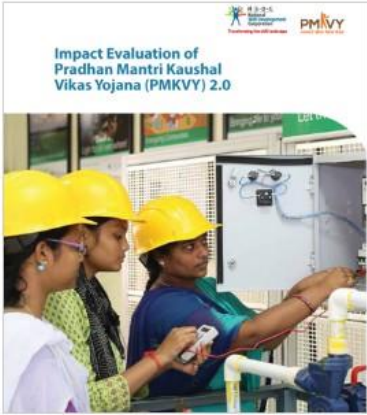
# Our Thought Leadership

**Skills Intelligence Platform**
**NSDC's knowledge platform for TVET stakeholders**
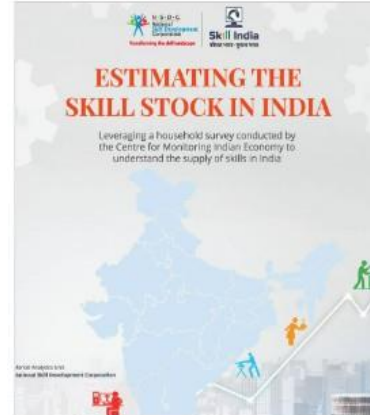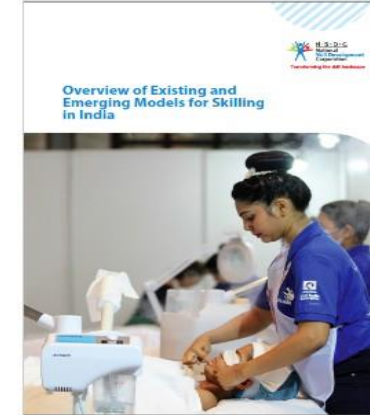


PMKVY Impact Evaluation
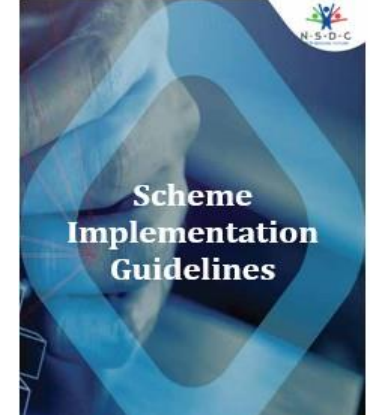
Global Skill Gap Assessment - 2018
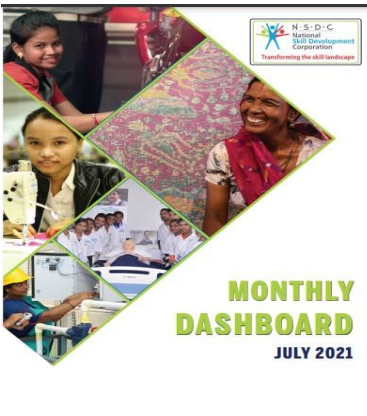
Estimating Skill Stock in India - 2018

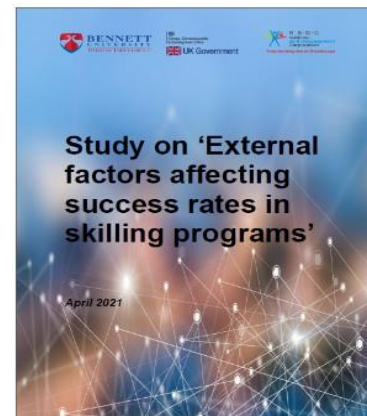Evaluation of NSDC's initiatives for sustainable skill development

Overview of Existing and Emerging Models for Skilling in India

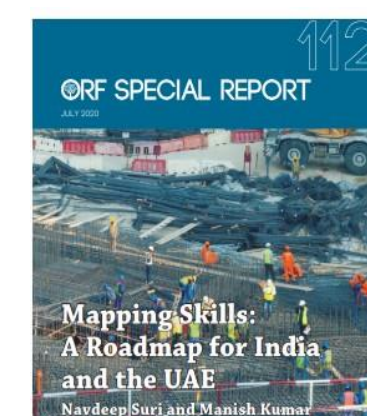Multiple guidelines for Govt. scheme implementation

Monthly Corporate dashboards

Predictive analytics to study factors affecting placement rates

Trainer Effectiveness in the Indian skilling ecosystem

Mapping Skills: A Roadmap for India and the UAE

Skill Development Priority Index

Multiple skill gap study India (Sector/ geography)

# THANK YOU