Directorate General of Training (DGT)

Presentation
July, 2019
Industrial Training Institutes (ITIs) - Creating Technicians since 1950
Role of DGT in Skill ecosystem

**DGT caters to different areas of skill ecosystem**

1. ITI Students
2. ITI Trainers
3. Apprentices
4. Upgrading skills of Technicians & Engineers

**DGT perform role in different functions**

- Financing
- National Govt. Schemes
- Industry Connect Apprenticeship
- Standards, quality, courseware
- Technology Enabler
- Communication and Advisory
- Outreach
- International Collaborations

Directorate General of Training
### ITIs

**Launched in 1950**

Administrative & Financial control of ITIs is with the State Governments/UT Administrations

**Backbone of Industrial Training in India**

Offers range of vocational/skill training courses

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**The “makers” of “Make In India”**

<table>
<thead>
<tr>
<th><strong>Number of ITIs (as on April 2019)</strong></th>
<th>14,323 (Govt.- 2878 &amp; Pvt.- 11,445)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Seating Capacity</strong></td>
<td>23.08 lakh (Govt.- 7.3 lakh, Pvt.- 15.6 lakh)</td>
</tr>
<tr>
<td><strong>Female Students</strong></td>
<td>1.7 lakh (Govt- 1.2 lakh, Private- 0.5 lakh)</td>
</tr>
<tr>
<td><strong>Number of Trades</strong></td>
<td>136 (75- Engg. + 56- Non-Engg.+ 05 Divyang)</td>
</tr>
<tr>
<td><strong>Duration</strong></td>
<td>1 year to 2 years</td>
</tr>
<tr>
<td><strong>Entry Criteria</strong></td>
<td>10th Standard</td>
</tr>
<tr>
<td><strong>Age</strong></td>
<td>14 years &amp; above</td>
</tr>
</tbody>
</table>
## Top 10 Courses in ITIs

<table>
<thead>
<tr>
<th>Trades</th>
<th>ITI Count</th>
<th>Trainee Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrician</td>
<td>12,286</td>
<td>9,87,591</td>
</tr>
<tr>
<td>Fitter</td>
<td>9,683</td>
<td>5,31,731</td>
</tr>
<tr>
<td>Computer Operator and Programming Assistant</td>
<td>2,617</td>
<td>91,403</td>
</tr>
<tr>
<td>Welder</td>
<td>2,555</td>
<td>74,213</td>
</tr>
<tr>
<td>Electronics Mechanic</td>
<td>1,840</td>
<td>66,633</td>
</tr>
<tr>
<td>Mechanic Diesel</td>
<td>1,990</td>
<td>65,010</td>
</tr>
<tr>
<td>Mechanic (Motor Vehicle)</td>
<td>1,417</td>
<td>53,953</td>
</tr>
<tr>
<td>Wireman</td>
<td>1,357</td>
<td>48,409</td>
</tr>
<tr>
<td>Draughtsman (Civil)</td>
<td>1,278</td>
<td>35,463</td>
</tr>
<tr>
<td>Mechanic (Refrigeration and Air-Conditioning)</td>
<td>912</td>
<td>35,411</td>
</tr>
</tbody>
</table>
Career Path of ITI Students

Private Sector Employment

Govt. Employment

Job Creators: Self-Employment

Industrial Training Institute

Abroad

Diploma Courses
Getting Industry to improve Labs in ITIs

ITI Naigaon, Singhbhum, Jharkhand

ITI Pusa, Delhi
Production Centers in ITI (Earning while Learning)

SAMSUNG

Govt. ITI Kalamssery, Kerala

LAKMÉ

Govt. ITI Guwahati
Dual System of Training - Two Campus Training Model: ITI + Industry

1. **Objective**

   - Strengthen industry connect
   - Impart quality, industry relevant training
   - Encourage more participation from ITIs and Industry

2. **Significant Changes to provide flexibility**

   **Change in Duration of Industrial Training**

<table>
<thead>
<tr>
<th>Duration of Trade / course</th>
<th>Duration of industrial exposure/ training (as per previous guidelines)</th>
<th>Duration of industrial exposure/ training (as per revised guidelines)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 months</td>
<td>Not Defined</td>
<td>1-3 months</td>
</tr>
<tr>
<td>1 Year</td>
<td>5 months</td>
<td>3-6 months</td>
</tr>
<tr>
<td>2 Years</td>
<td>9 months</td>
<td>6-12 months</td>
</tr>
</tbody>
</table>

   - May choose **block / multiple block / mixed mode** training
   - ITIs may **sign MoUs with multiple industry** partners
   - Industry Partner may conduct **part/ full** formative assessment
Flexi-MoU: One Campus Training Model: Industry + Industry

Objectives

- Strengthen industry connect
- Impart customized industry relevant training
- Offer flexibility to create tailored skilling programmes

[Images of Maruti Suzuki and Raymond]
## Apprenticeship (After ITI or Freshers)

### Name of the Establishment
<table>
<thead>
<tr>
<th>Establishment</th>
<th>No. of Apprentices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ministry of Railways</td>
<td>14673</td>
</tr>
<tr>
<td>Tata Motors</td>
<td>11835</td>
</tr>
<tr>
<td>Bharat Heavy Electricals Ltd.</td>
<td>11643</td>
</tr>
<tr>
<td>Aegis Customer Support</td>
<td>9776</td>
</tr>
<tr>
<td>Gujarat State Road Transport</td>
<td>8317</td>
</tr>
<tr>
<td>Maruti Suzuki India Limited</td>
<td>7760</td>
</tr>
<tr>
<td>Bharat Electronic Ltd.</td>
<td>4582</td>
</tr>
<tr>
<td>AP State Road Transport</td>
<td>4289</td>
</tr>
<tr>
<td>ONGC</td>
<td>3229</td>
</tr>
<tr>
<td>Ordinance Factory</td>
<td>3126</td>
</tr>
</tbody>
</table>

### # of Establishments: 52431

### No. of Apprentices: 4,14,397

![Orientation Training for Apprentices](image)

![Max Hospital](image)

![Gujarat State Road Transport](image)
For ITI Trainers- NSTI and IToTs

**Objective:**
To train Instructors in the techniques of transferring hands-on skills & training methodology

**Trades covered:** Popular 27 Engineering and 7 non-engineering trades

**Total seating capacity:** 9540

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**Details on NSTI and ITOTs across India**

<table>
<thead>
<tr>
<th>Institutes for Training of Trainer</th>
<th>Count</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Central</strong> Institute- NSTIs</td>
<td>33</td>
<td>6180</td>
</tr>
<tr>
<td><strong>Private</strong> Institutes for Training of Trainers (IToTs)</td>
<td>12</td>
<td>2400</td>
</tr>
<tr>
<td><strong>State Government</strong> Institutes for Training of Trainers (IToTs) located at Odisha, MP, UP, Haryana and 2 in Karnataka</td>
<td>06</td>
<td>720</td>
</tr>
</tbody>
</table>

CITS RPL has been introduced recently
BharatSkills.gov.in - Online Content for ITI Students

ITI Trainees
- Tailored courses for ITI trainees.
- Creation of Question Banks, E-books, Video, Blended Learning courses with Amrita, Cisco

ITI Trainers
- Access ToT courses under Trainers Module

Others
- Add-on trade related courses
- Soft skills
- Custom courses from partners such as Microsoft (MS Technical Assistant), Cisco- Accenture (Quest Alliance), Adobe and Udemy
Reforms Undertaken for improving Quality of Long term Training Courses
Grading of ITIs

- Phase-1 of Grading was optional and covered 4811 ITIs
- Phase-2 of grading is mandatory and 10443 ITIs have already been self-graded

### Graded Autonomy of ITI

<table>
<thead>
<tr>
<th>No Star (&lt;2.0)</th>
<th>2 Star (&gt;=2.0 but &lt;2.5)</th>
<th>3 Star (&gt;=2.5 but &lt;3.0)</th>
<th>4 Star (&gt;=3.0 but &lt;4.0)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Govt.</td>
<td>1200</td>
<td>355</td>
<td>235</td>
<td>81</td>
</tr>
<tr>
<td>Pvt.</td>
<td>2348</td>
<td>392</td>
<td>158</td>
<td>42</td>
</tr>
<tr>
<td>Total</td>
<td>3548</td>
<td>747</td>
<td>393</td>
<td>123</td>
</tr>
</tbody>
</table>

- ITIs with grade ≥ 2.5 will be self-centers for OMR based theory examination.
- Only ITIs with grade 2.5 or more will be allowed to apply for addition of new trades/units.
- Only Private ITIs with at least 2.5 grade and Government ITIs with at least 2.0 grade will be eligible to participate under STRIVE (World Bank Project).
- Principals and Instructors of ITIs with 2.5 or more grade will be eligible for training in NSTIs or abroad, wherever possible.
Reforms in Curriculum Development

**All 136 courses have been aligned to NSQF**

**QR codes** in each book (Augmented Reality (AR)’, ‘Virtual Reality (VR)’ and Videos)

**Question bank on Bharat Skill Portal**

**Hinglish Manuscript for NIMI books**
Examinations Reforms

1. Self-center for Practical/Engineering Drawing Exam

2. Practical/Engineering Drawing Exam to be conducted by State

3. Supplementary exams to be conducted on demand for students

4. RPL Examinations to be done in NSTIs (where trade is available) and Government ITIs

5. Digitally Signed Certificates to be issued to all trainees

6. Introduced Electronic Skill Credential Standards
Outreach through District Skilling Committee (DSC)/ Nodal ITI

- Conduct, facilitate and track the skill gap across the district
- Review of infrastructure, machinery across various Government and private ITI across the district
- Facilitate training of trainers of ITIs across the district
- Mentor new ITIs in the district by extending support in industry connect and representation in governing committees
- Facilitating placement and job melas at the district leveraging their industry connect
- Building and nurturing industry relationship in close coordination with the officials of industry department and various industry clusters across the district

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Regional Directorate for Skill Development and Entreprenurship (RDSDE)

- Implementation and Monitoring of all schemes of DGT
- Coordinating with trade-testing cell for examination of all schemes
- Handling of court cases of the schemes
- Coordination with Ministry for schemes like PMKVY, DDUGKY and NULM
- Coordination for establishing Skill Universities and NSTI Extension Center

Total RDSDE 22
New Initiatives

New age short-term like IOT, Artificial Intelligence, Smart Agriculture, service sector being introduced in STRIVE selected ITIs to ensure convergence of long-term and short-term skilling

Revamping of Employability Skills Course from 110 hours to 240 hours

Graded Autonomy will be launched to provide additional freedom to best performing ITIs

Expansion of B.Voc courses and Diploma Courses

Can we provide toolkits along with books to students after ensuring first 10 days of biometric attendance?

Can we partially subsidize teacher salary of Private ITIs?
Schemes for improving Quality of Long term Training Courses
STRIVE- Skills Strengthening for Industrial Value Enhancement

Result Area 1: Improving performance of ITIs
(INR 1,000 Crore)
500 ITIs to be selected (including 100 Private ITIs) for providing grant of average INR 2 crore

Result Area 2: Increased capacities of State Governments
(INR 330 Crore)
Signing of STRIVE MoU with all states/Uts for state-specific reforms.

Result Area 3: Improved teaching and learning capabilities
(INR 435 Crore)
On boarding of CSTARI & NIMI for revamping of CTS and CITS trades

Result Area 4: Improved and broadened apprenticeship training
(INR 212 Crore)
MoU with Industry Clusters and States has to be signed with 100 Industry Clusters.
Upgradation of 1396 ITIs through PPP

Over 900 Institute Management Committees (IMCs) active in Govt. ITIs

Industry Partner is the Chairman, and Principal, ITI is Secretary of IMC Society

Rs. 2.50 crore loan provided to each IMC

Total revenue earned by IMCs is Rs 155 crore through training programmes and production centers

335 ITIs have earned revenue worth more than Rs. 10 lakh each

Critical Decision: Should loan be converted to Grant?

<table>
<thead>
<tr>
<th>No. of ITIs</th>
<th>Loan amount</th>
<th>Expenditure with seed money</th>
<th>Expenditure</th>
<th>Seed Money</th>
<th>Interest earned</th>
<th>Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1227</td>
<td>3067.50</td>
<td>2570.59 (83%)</td>
<td>1848.23</td>
<td>722.36</td>
<td>1200.87</td>
<td>225.01</td>
</tr>
</tbody>
</table>

ITI Khed, Maharashtra
Upgradation of Existing Government ITIs into Model ITIs

- **29 ITIs** have been identified in **27 States**
- **Fund allocation** so far - INR 245.30 crores
- **Fund released** - INR 117.46 crore

**Model ITI, Durgapur, West Bengal**

**Model ITI, Karaundi, Varanasi**
Scheme for Enhancing Skill Development Infrastructure in NE States & Sikk (ESDI) & Skill Development in 47 Districts affected by Left Wing Extremism

- **For North-East:** Upgradation of existing ITIs by introducing three new trades per ITI in each of 22 ITIs with 100% GoI funding and establishment of 34 New ITIs in 8 States with 90% central and 10 State funding.

- **For LWE:** 47 ITIs with 1 ITI / district [ 13 new districts in addition to 34 districts covered earlier].

![Govt. ITI, Gajabahal (Odisha)](image-url)
Thank You