

ILO Master Class series “The SKILLS Bridge”

Digital Transformations in Skills and Life-Long Learning: Insights from India

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25th JULY 2023

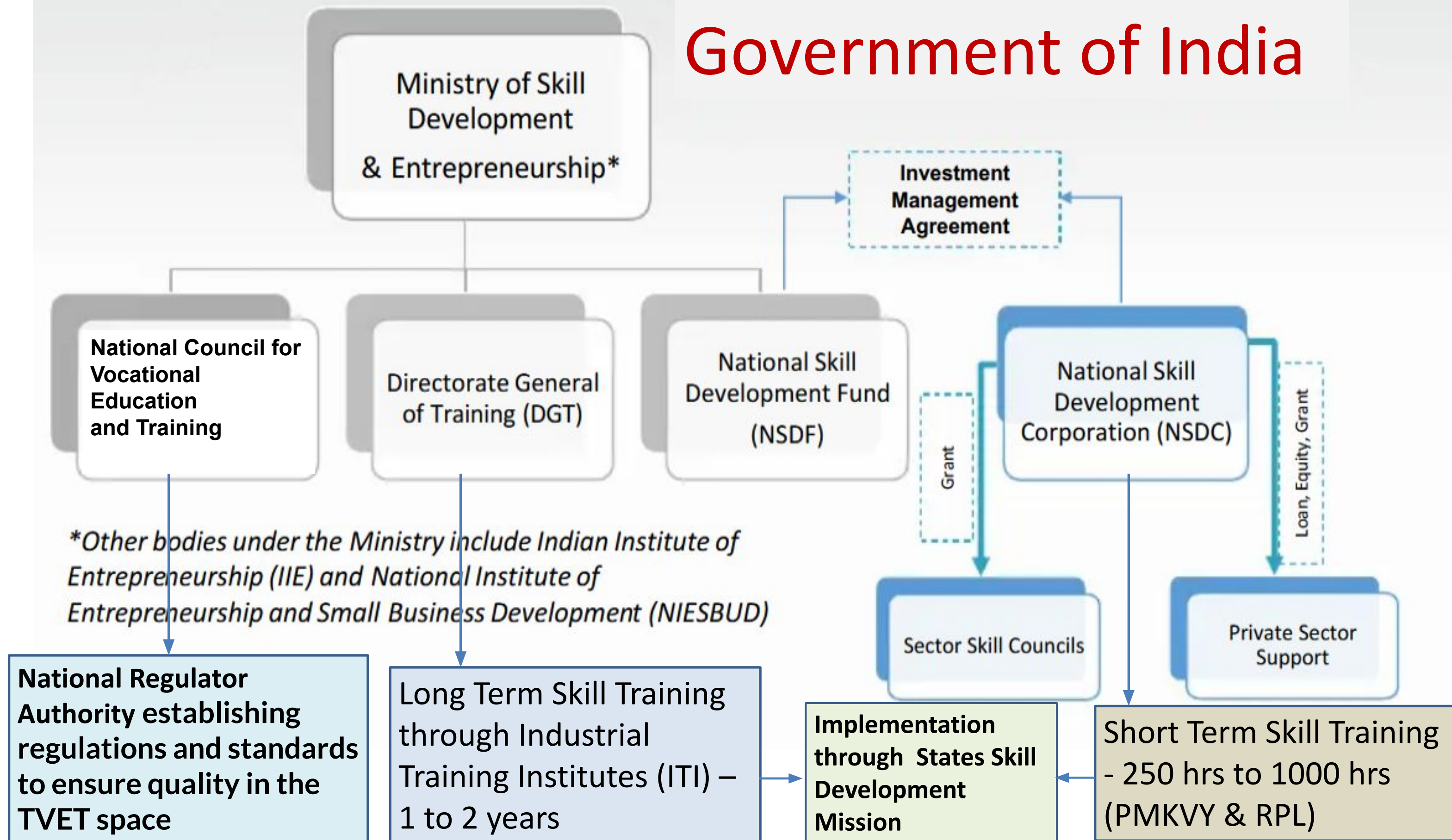
SKILL INDIA DIGITAL

Outline:

1. Skill India Digital Convergence
2. Long-Term Skilling – DGT Industrial Training Management Information System
: IT e-Governance

India Skill Landscape

Government of India



Existing e-Governance Scenario

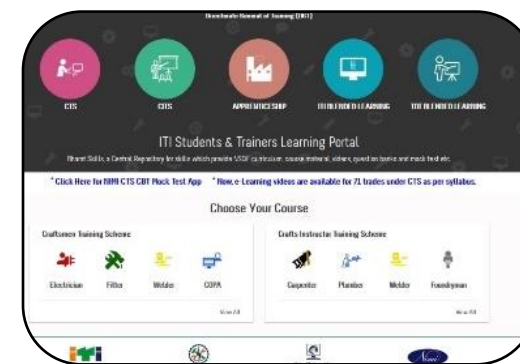
Each Division – Micromanagement : DGT



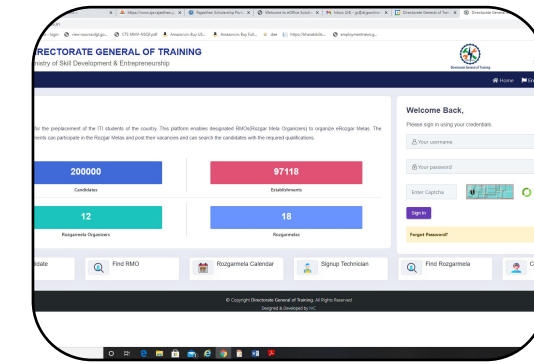
Students'
perspective??



DGT MIS
<https://ncvtmis.gov.in>



Bharatskills LMS
<https://bharatskills.gov.in/>

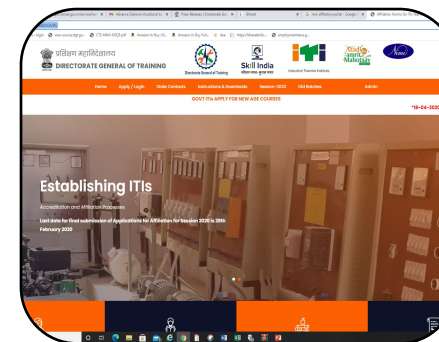


Pre-Placement Portal
<https://itirozgar.dgt.gov.in>

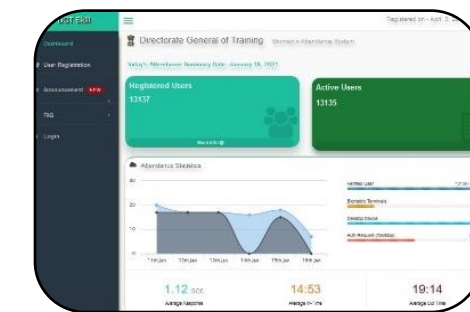
DGT
Portal/
Websites



Apprenticeship Training Portal
<http://apprenticeshipindia.gov.in>



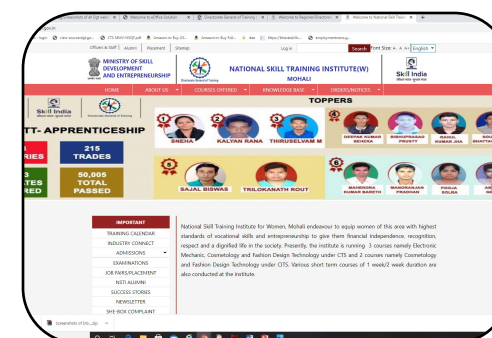
Training Institute Affiliations
<https://www.nimionlineadmission.in/iti/>



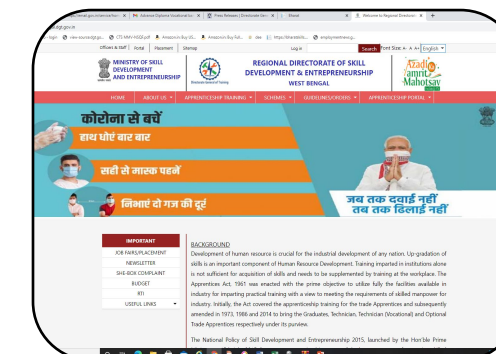
DGT Skill Attendance - students
<https://cndgt.dgtskillattendance.ac.in/>



DGT Staff Attendance
<https://cndgt.attendance.gov.in>



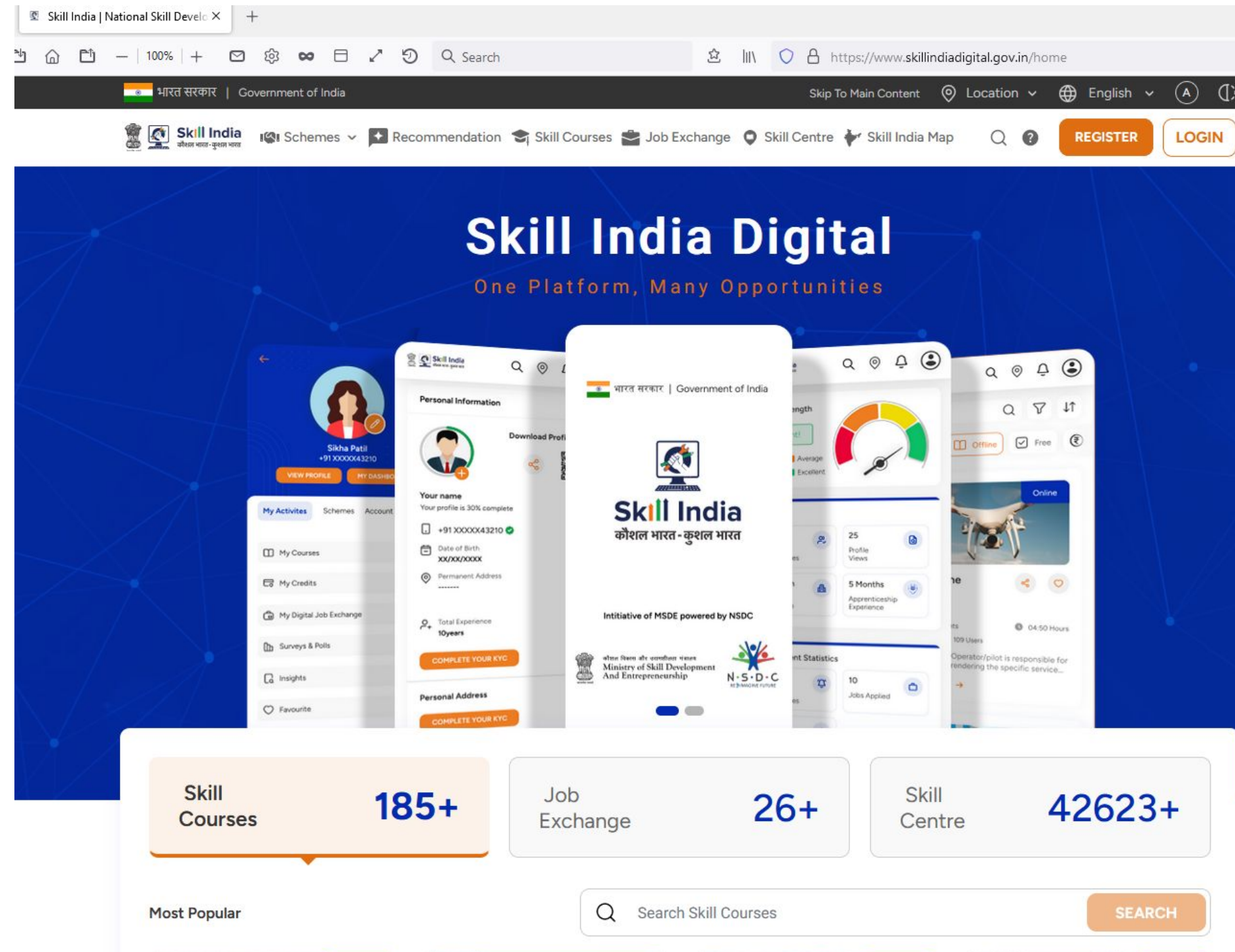
33 National Skill Training Institutes (NSTI Websites)



22 Regional Skill Centres (RDSDE Websites)

1. Skill India Digital Convergence

<https://skillindiadigital.gov.in>



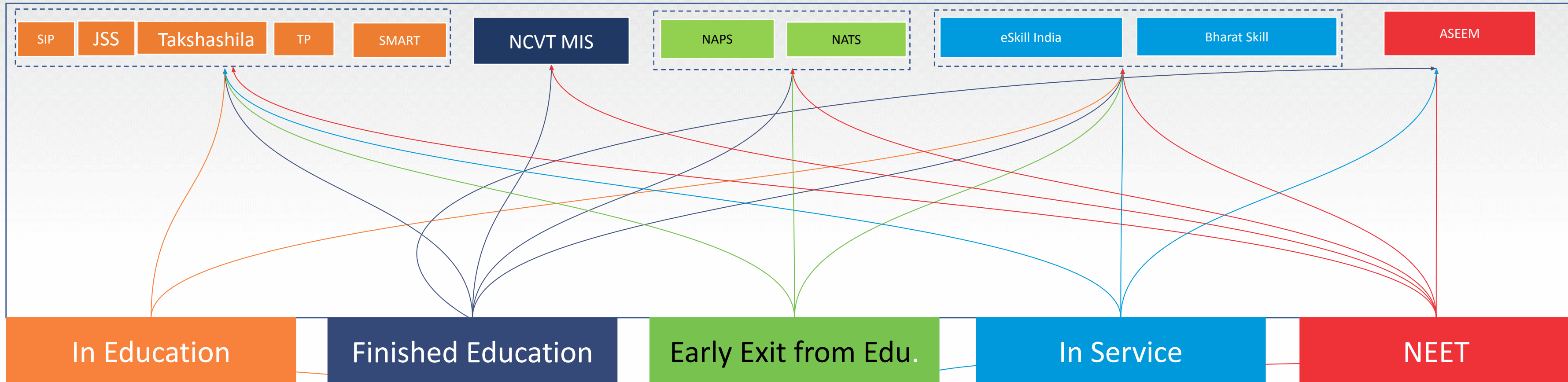
A unified digital platform for end-to-end skill ecosystem

How has it been implemented?

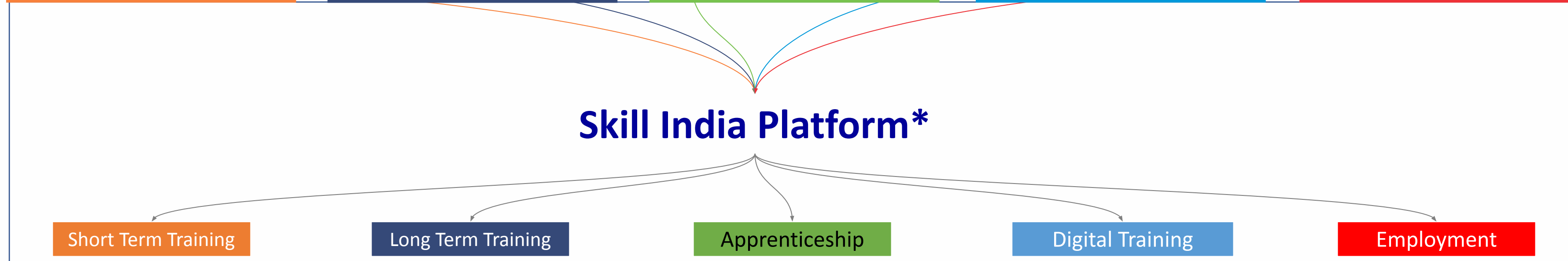
Confused..
Where to go ?



Existing Scenario



Proposed Scenario



One platform for skilling and employment possibilities

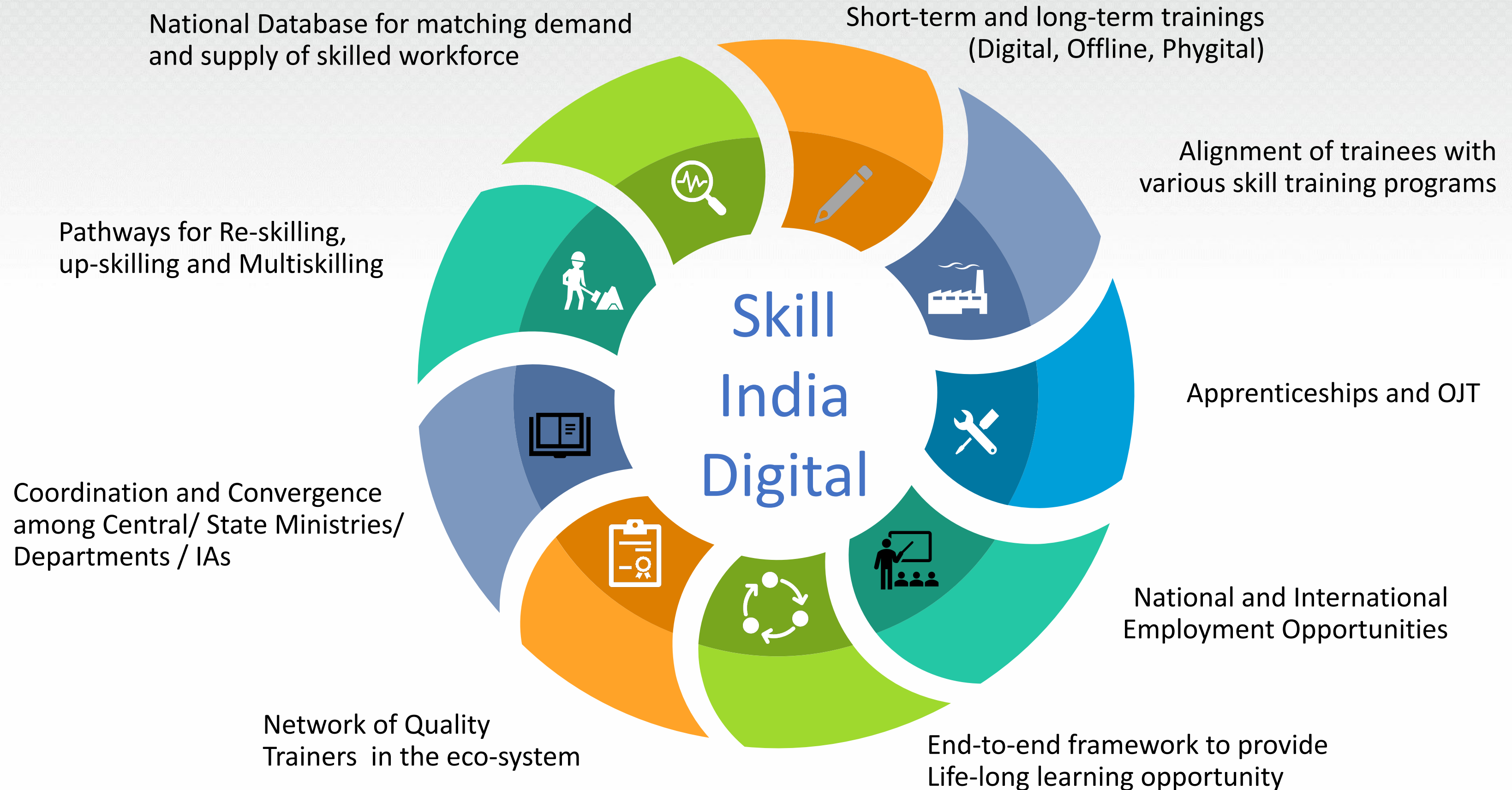


Powered by NSDC



*Single Sign-on, Data Integration, Unified UI/UX

Current Offerings of Skill India Unified Portal



Feature-wise break-down of candidate lifecycle



Innovative use of digital technology and lifelong learning

2: Long-Term Skilling :

DGT Industrial Training Institute (ITI)

Management Information System : e-Governance

DGT - Overview of the Industrial Training Institute (ITI) Skill ecosystem

Creating Skilled Workforce since 1950

Craftsmen Training Scheme (CTS)

- Objectives:
 - To provide skilled workforce to industry
 - Self employment to youth
- Administrative & Financial control of ITIs is with the State Governments/UT Administrations
- Offers range of long term vocational/skill training courses
- Total seating capacity: 3.45 Million**

Number of ITIs (as on 1 st Feb 2023)	14,988 (Govt.- 3,066 & Pvt.- 11,923)
Number of Trades	142
Duration	6 month to 2 years
Entry Qualification	8 to 10 th Standard
Age	14 years & above

Crafts Instructor Training Scheme (CITS) –Trainers Training

- 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:** 12,000

33 Central Institutes
-NSTIs

12 Private Institutes for
Training of Trainers
(IToTs) and 6 State
Government iToTs

Long-term Vocation Training Ecosystem in
India

DGT ITI Management system – IT Governance



ITI Management System
<https://www.ncvtmis.gov.in>

- This portal is a one-stop information source for all Institutes and courses under the purview of the Directorate General of Training (NCVET affiliated courses).
- The portal manages ITIs candidate's registration, training, examination and certification under CTS, CITS
- 14988 Industrial Training Institutes (ITIs) across 28 states & 8 UTs and more than 2.6 Million students / year .

API for Trainees Upload by states	LG Directory Changes	Instructor Data Capture Module	Placement Capturing Module	Trade Nomenclature/ Migration of data
Grievance Module for Exam	Examiner Registration & Mapping Functionality	Grievance Dashboard	ED & Practical Marks upload by examiners in the ITI during the exam	Digitally Signed certificate with QR code
Affiliation Order Generation –Online	Admission Dashboard	API for Digilocker	Certificate Revoking Facility	One click solution for registration of Apprenticeship

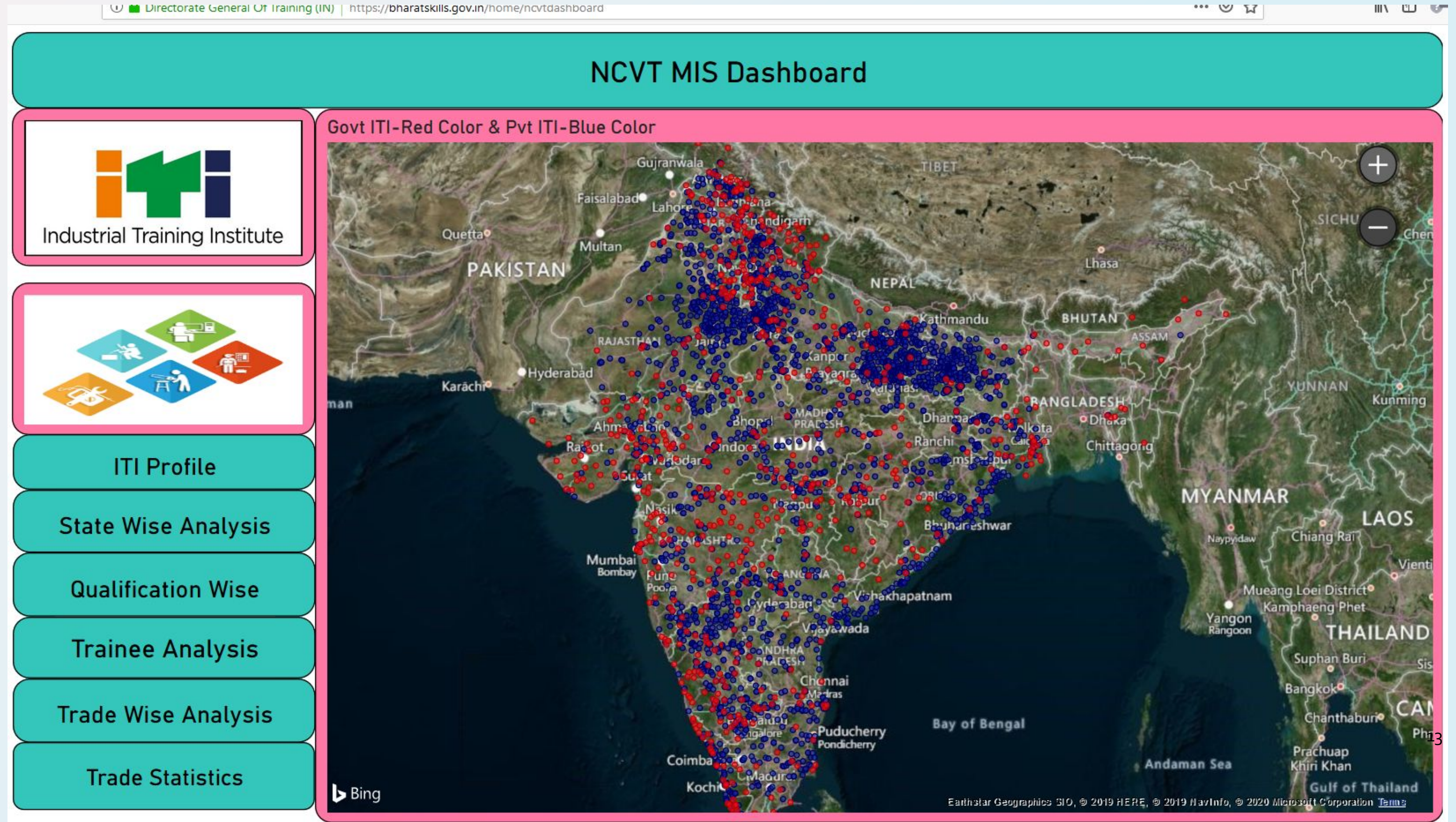
New Process implemented in last 2 years

DGT ITIMIS - IT Interventions

1. **Improved IT system for affiliation** to increase efficient and transparent management of the ITI ecosystem, including random generation of the Training Institute inspection team, ticketing systems for speedy resolutions and complaint monitoring.
2. In-house DGT Service Desk (<https://dgt.gov.in/servicedesk>) and **grievance redressal** was created to track and resolve the various complaints of trainees in a minimum time.
3. Efforts were made to **cut down the time for exam Hall Ticket Generation** and CBT exam centre mapping of candidates across the country by sharing data through API from the testing agency to NCVTMIS.
4. The admission data transfer has been automated through **API transfer between the state admission portal and DGT MIS** portal, reducing the delay of trainees' upload and ensuring a single source of trust in the data.
5. **Exam Results Declaration time has been reduced from 45-60 days to 15 days** by automation (API) of result processing between the testing agency and NCVTMIS
6. A **dashboard** has been created for the trainees to know the exam centre, present/ absent/ reschedule dates etc. for the CBT exam
7. **SMS and email** are being sent to all the trainees regarding their Hall Ticket availability, results for the CBT exam
8. Trainees can **download the hall tickets for examination, results, mark sheets, consolidated mark sheets, certificates** etc. directly from the trainee's profile page. They can also view the CBT answer sheets to apply for grievances for better transparency and trust.

Directorate General of Training (DGT)

DGT ITIMIS Dashboard - Visit





Directorate General of Training (DGT)

Launched in October, 2019

Exclusively for ITI Students and Teachers



- E-learning Books
- Employability skills
- Question Banks
- Course Curriculum
- E-learning Video
- New Age skill courses
- Blended Learning

More than 6.5 Million users



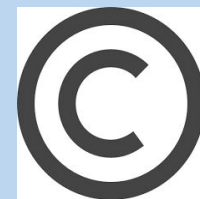
BHARTASKILLS : ORIGIN

DGT Initiatives for learning content Improvement

Created digital books with QR embedded videos helping students to understand the topics easily.



Books were made copyright left to improve its outreach



Syllabus and learning content was improved as per new industrial practice



Practical videos created for ease of learning



Bharatskills



Problems faced by ITI students

Books , good Practical classes, Question Banks for practice not easily available for students



Students lacks employability skills



Not Industry ready



Lacks exposure to new age skills of internet, cyber world



BHARATSKILLS:

<https://bharatskills.gov.in> is a digital repository for skill learning platform for the skill Community of ITI trainees and trainers.

- In-house developed & maintained (no third party), **More than 26 Million learners**, no login required, simple user interface (3 click solution), mobile responsive, anytime-anywhere.

 Courseware - 59 Skills (CTS), 36 skills (CITS)- 6 languages (Hindi, Gujarati, Odiya, Tamil, Marathi, English)

 E-learning video content for 79 popular courses

 Question Banks- 95 courses (CTS), 31 courses (CITS)

 NSQF compliant Curriculum- CTS/CITS/ATS

 Industry connect new-age courses (IR 4.0)

 Blended Learning - 6 Popular course : <https://blendedlearning.bharatskills.gov.in>

 Bharatskills Forum - Community Version : <https://bskillforum.bharatskills.gov.in>

DGT- Industry Connect
Online courses under new emerging Technologies

IBM
SkillsBuild



CISCO



~ 1.7 Million trainees certified
DGT- Industry Connect

Digital Impact

BHARATSKILLS FORUM: Community Version

<https://bskillforum.bharatskills.gov.in/>

- ❖ New feature to the Bharatskills learning platform that allows sharing of books, notes, videos, question banks, etc., and other relevant skill-related content for learners by the learner, trainers, industries.

- ❖ It acts as a digital warehouse for the skilling community by allowing sharing of contents in various forms like handwritten trainers' or trainees' notes, PDFs, scanned copies, or recorded videos in any language.

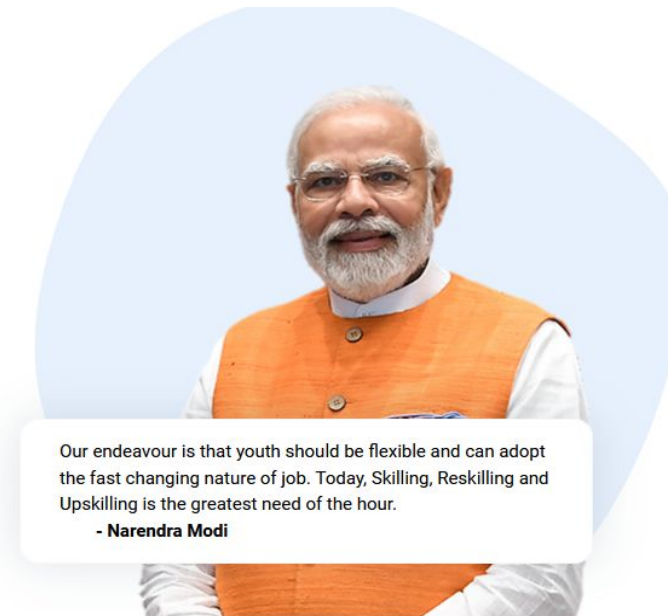
Bharatskills Forum - Digital platform for ITIs
(Trainees, Trainers and Industrialists)

Share your skills and serve
our society.

This digital warehouse is created to keep your books, notes and videos and question bank on ITI/CTS, CITS and ATS etc.

Your material may be handwritten, PDF, scanned copy or recorded video and can be in any language of your choice.

Sign-in and upload your content



Participate in Pariksha Pe Charcha 2023 Visit BharatSkills for CTS/CITS

CTS
Craftsmen Training Scheme

CITS
Crafts Instructor Training Scheme

ATS
Apprenticeship Training Scheme

Others
Short Term Courses

1 of 3

Basics of Operating Systems

Definition of OS: It is a software or a program that acts as an interface between a user application and the computer hardware. It allows the computer system to be used more conveniently and efficiently because utilization of user.

System and Application Programs

Operating System

Hardware

CTS - Computer Operator and Programming Assistant (COPA)

Operating systems

Publisher: Rahul Sharma

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184

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1.02 MB

English

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XAMPP installation for PHP

CTS - Computer Operator and Programming Assistant (COPA)

PDF FOR XAMPP INSTALLATION STEPS

Publisher: Mehul Vajpai

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English

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INTRODUCTION TO JAVASCRIPT

JavaScript is light weight object-oriented programming language which is used by several website for scripting the webpages. It was introduced in the year 1995 for adding programs to the webpages in the Netscape navigator browser. Since then it has been adopted by all other graphical web browsers with JavaScript.

CTS - Computer Operator and Programming Assistant (COPA)

Javascript notes

Publisher: Sachin

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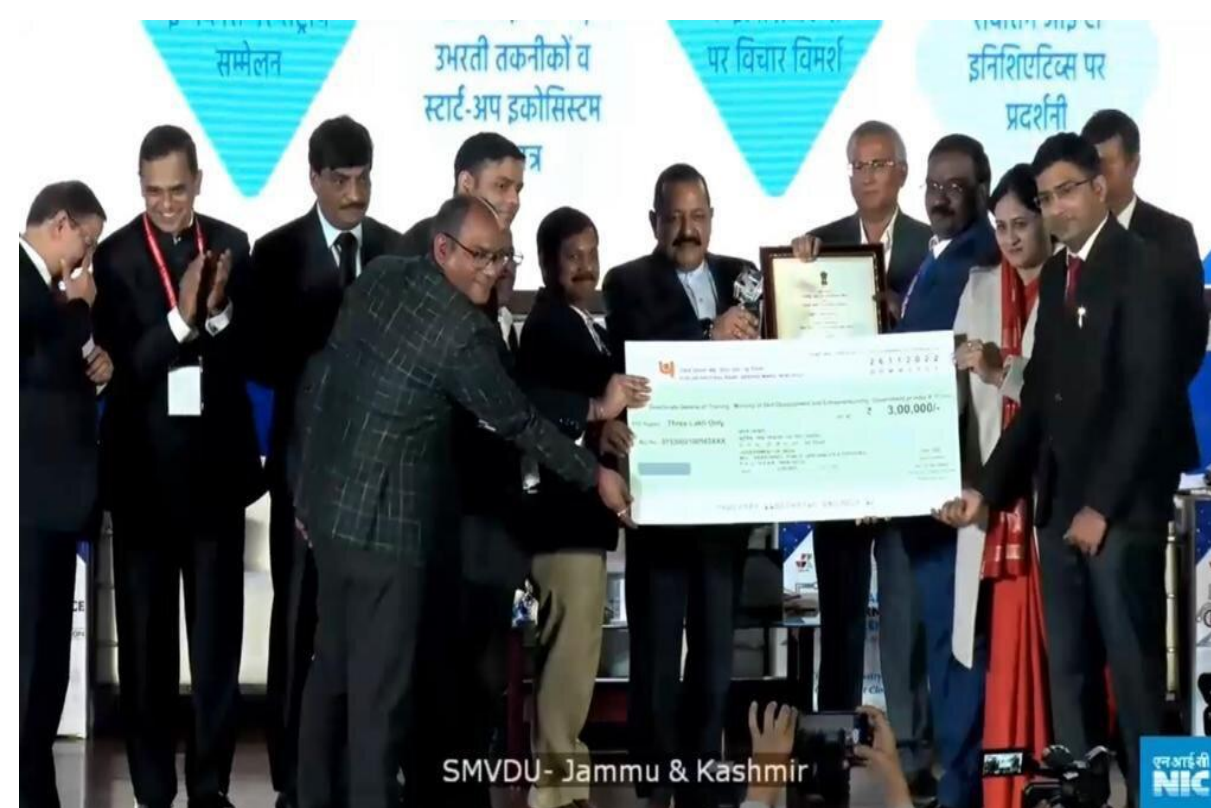
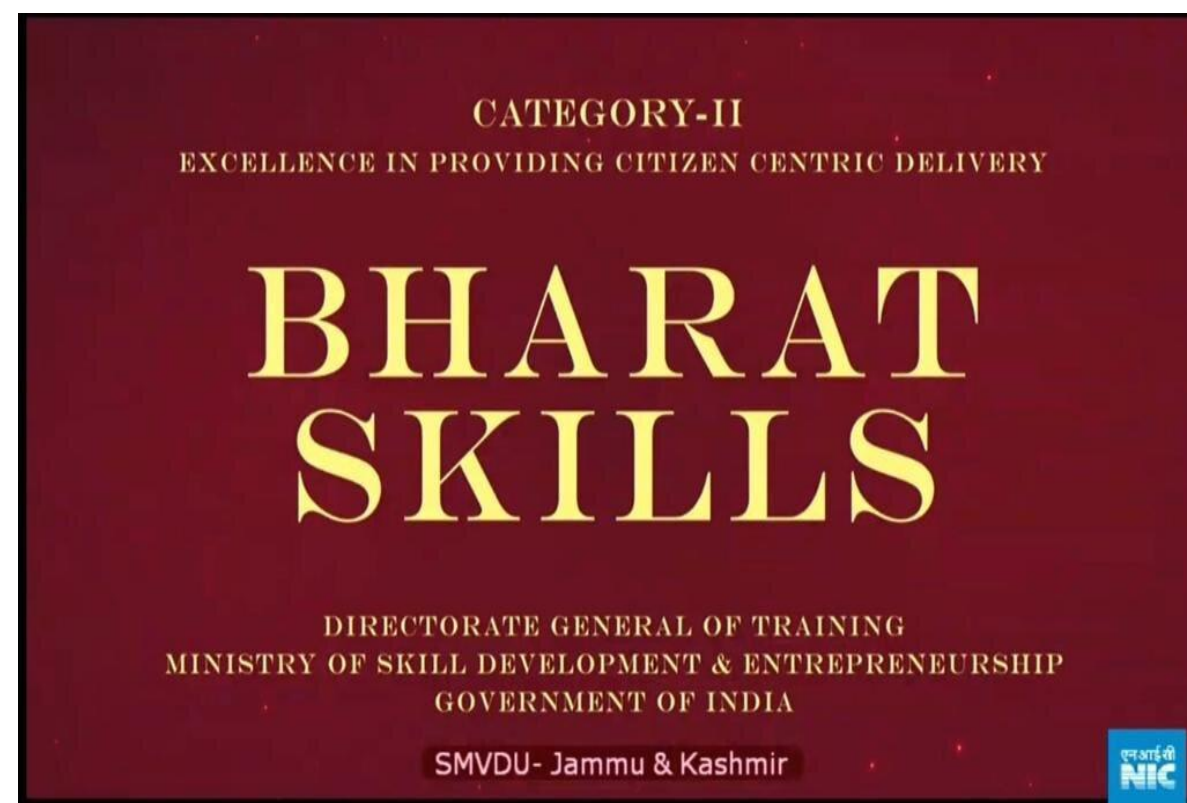
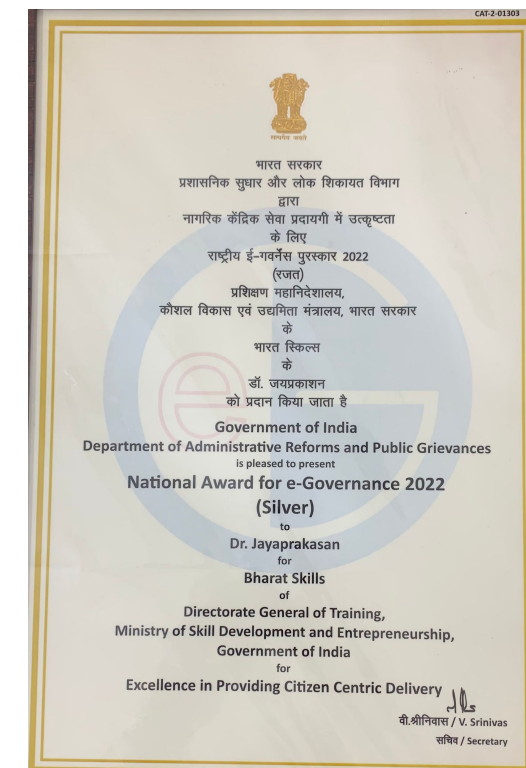
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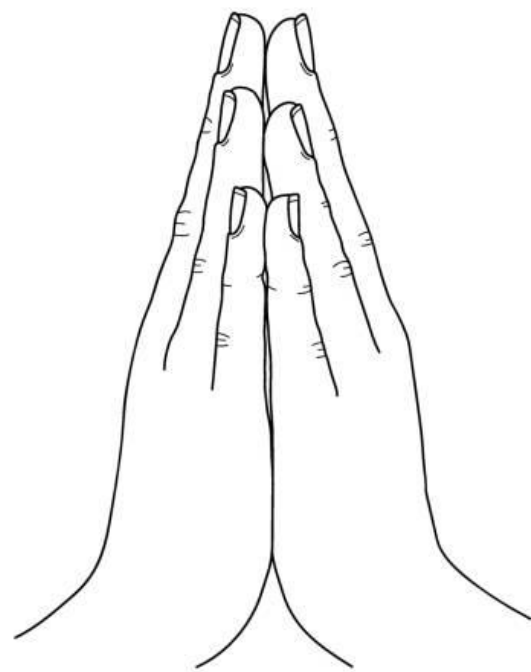
Enter Your Comment...

Submit Comment



National e-Governance Award -2022 to **BHARAT SKILLS** for Excellence in Providing Citizen Centric Delivery





Thank You

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Corporation

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