NATIONAL INSTITUTE OF
TECHNICAL TEACHERS TRAINING AND RESEARCH, CHENNAI

Institution Deemed to be University under Distinct Category
A Centrally Funded Technical Institute (CFTI)

(Ministry of Education, Govt. of India)

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH

Innovate to Educate
Educate to Innovate

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(Ministry of Education, Govt. of India),

Prof. Usha Natesan
Director

National Institute of Technical Teachers Training and Research (NITTTR), Chennai was established in 1964 by the Government of India as a key catalyst Institution for ensuring quality in Technical Education in South India comprising the states of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Telangana and Union territory of Pondicherry. In the Diamond jubilee year of 2024, NITTTR Chennai has been confered the Deemed to University status.

This Institute being a Resource Institute offers Educational services in Curriculum/ Material / Institutional Development, Instructional Methods, Media, Examination reforms, Continuing Education, Distance Learning, Training and Development, Educational Psychology, Educational Management and Research. The Institute strives continuously and vigorously to achieve greater heights of excellence by actively collaborating with National and International agencies on projects and programmes aimed at quality improvement of Technical Education System.

Our Vision

To serve as a "One-Stop Institute of Excellence" and create an indelible mark in the fields of Multidisciplinary Education, Training, Research and Innovation at the Global Level.

Our Mission

- To address the current challenges in the field of Technical Education and fulfill the evolving needs and expectations of the changing world by renewing the principles of the Teaching Learning process.

- To anchor teaching in the quality culture of the Technical Institutions and articulate pedagogical competence to satisfy the demand for "Lifelong Learning".

- To transform the traditional "One Size Fits All" Model to "Skills over Degrees" Model.

Core Values

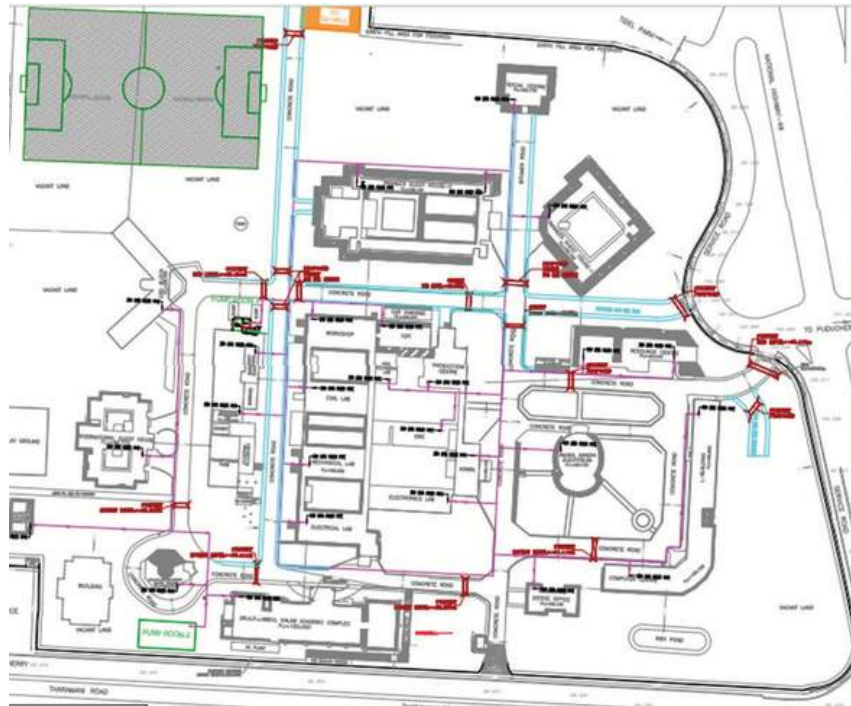Quality, Innovation, Collaboration, Ethics and Excellence

NITTTR

Chennai Campus

Land Area - 24.85 acres
Built-up Area - 22265 sq.m.

LAYOUT PLAN

ACTUAL LAYOUT

A Glimpse into the Path Traversed

TTTI 1.0
Diploma / Bachelor
- Diploma in Technical Teaching
- Bachelor in Technical Education
- Diploma in Science Teaching

TTTI 2.0
Certificate
- Certificate in Technical Teaching
- Certificate in Educational Teaching

NITTTR 3.0
PG Diploma / Master's / Doctorate
- PG Diploma in Teaching Computer Applications
- Master's in Human Resource Development
- Doctoral Programme in Engineering Education
- Doctoral Programme in Civil Engineering

NITTTR 4.0
Master's / Doctorate
- Online / Modular Training Programme
- Offering MOOCs in Integrated Pedagogy
- Master's Engineering / Technology
- Doctoral programme in Engineering Disciplines

NITTTR 5.0
PG Diploma/ Master's / Doctorate / Postdoc
- Online / Modular Training Programme
- Offering MOOCs in Teacher Education and Polytechnic
- Certificate Courses
- Online MBA/ PG Diploma Programmes
- Master's Programme
- Doctoral Programmes in Engineering and Technology, Management and Education
- Postdoctoral Programmes
- Deemed to be University under Distinct Category

Departments

- Civil Engineering
- Computer Science and Engineering
- Curriculum Development and Capacity Building
- Education
- Educational Media and Technology
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Mechanical Engineering
- Rural and Entrepreneurship Development

Centres

- Academic Studies and Research
- International Affairs
- Resource Centre

Extension Centres

- Bengaluru
- Hyderabad
- Kalamassery
- Vijayawada

Activities at a Glance

Training Programmes

Skill Development

Curriculum Development

National Coordinator of NITTT

PG & PhD Programmes

National Coordinator of SWAYAM

International Courses

Instructional Material Development

Collaborations HEIs/Industries/ Govt. Organizations

Research and Development

Significant Contributions

Projects of International/ National Importance

World Bank, ADB Technical Education Projects, NMEICT, SWAYAM, NITTT, ARPIT

Indian Technical Economic Cooperation (ITEC) Courses

More than 3000 International teachers trained since 1982 and alumni spreading over 119 Countries

Schemes of Societal Development

Community Development Through Polytechnics (CDTP)

Integrating Persons with Disabilities (IPwD)

Upgradation of Polytechnics

Significant Contributions

Faculty Development Programmes (FDPs)

More than 1,00,000 technical teachers from Polytechnic Institutions trained through 5000 + courses

Faculty Development Programmes (FDPs)

In the past two decades, trained around 30,000 technical teachers from Engineering Institutions trained through 800 customized courses

Professional Development Programmes(PDP)

Around 3,000 Officials from Government Organizations trained through 150 courses

Academic Programmes

PG Programmes

M.Tech
- Augmented Reality and Virtual Reality
- Artificial Intelligence and Machine Learning
- Engineering Education
- Infrastructure Engineering and Management
- Mechatronics
- Power Electronics and Drives
- VLSI Design and Embedded Systems

MBA
- Business Analytics
- Management (Online)

PG Diploma
- AI and ML
- Entrepreneurship Development
- Guidance and Counseling

By Research
- M.Tech (By Research) - All Disciplines

Research Programmes (Ph.D.)

Doctor of Philosophy (Ph.D)

Full-time/Part-time/Executive

(Education, Engineering and Technology, Management)

Post Doctoral Fellowship (PDF)

Research and Consultancy Projects

With the philosophy of encouraging cross flow of knowledge and experience between the institute and Industry & Government Organizations

NITTTR Chennai
National Coordinator for Teacher Training

AICTE CEC IGNOU IIMB NCERT NIOS NITTTR NPTEL UGC
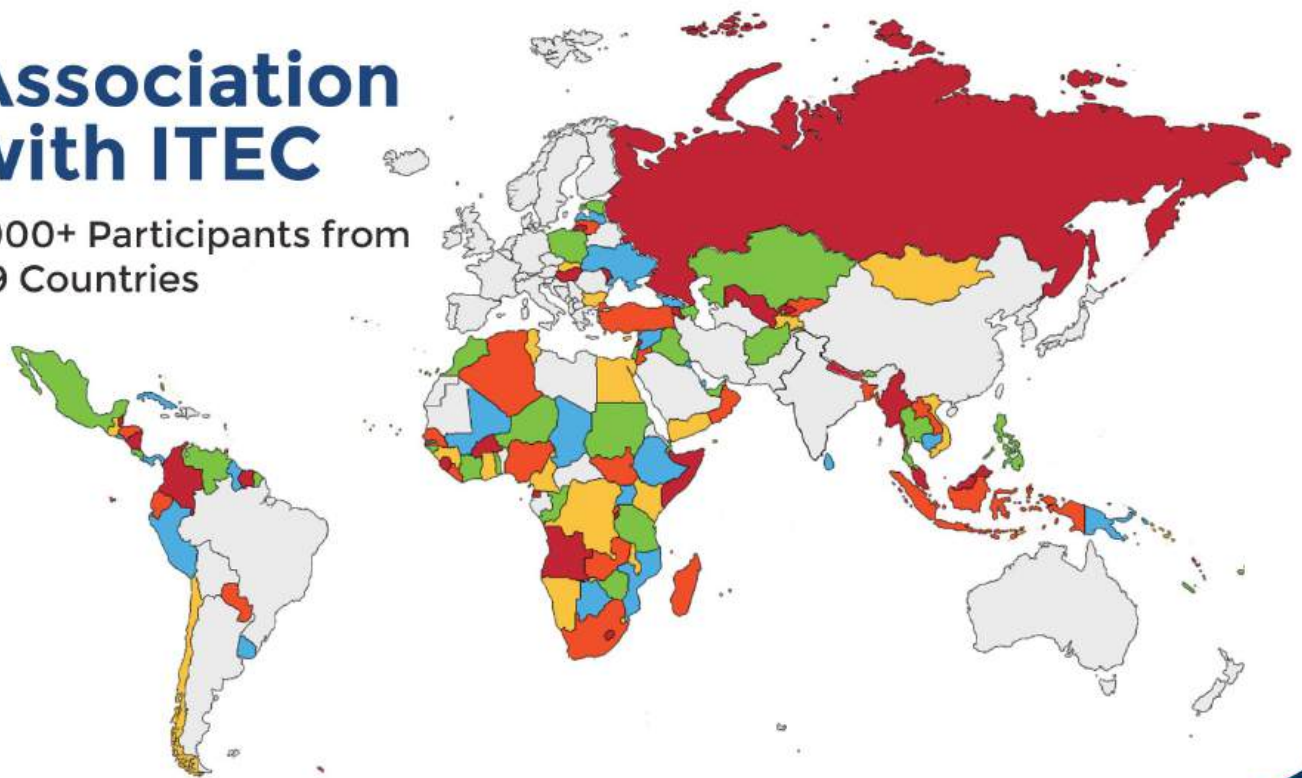
Registered Learners (2018 - Jan 2025): 7, 46, 247
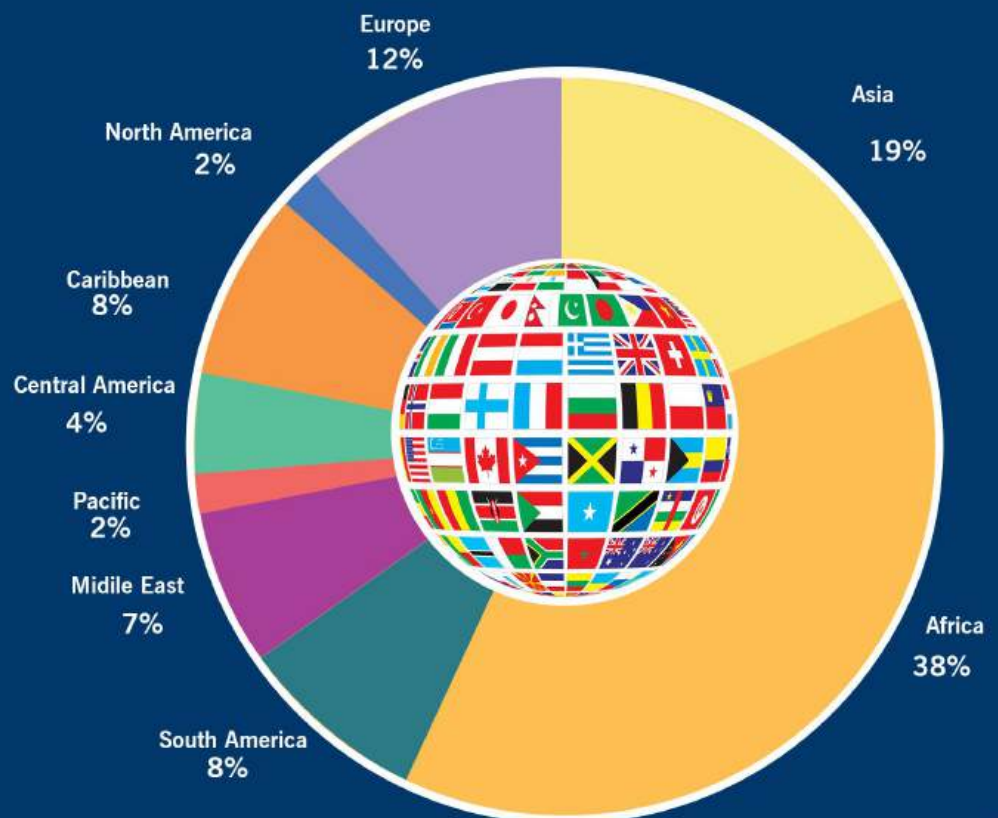
NITTT National Coordinator

Registered Learners (2020 - April 2025): 31,681

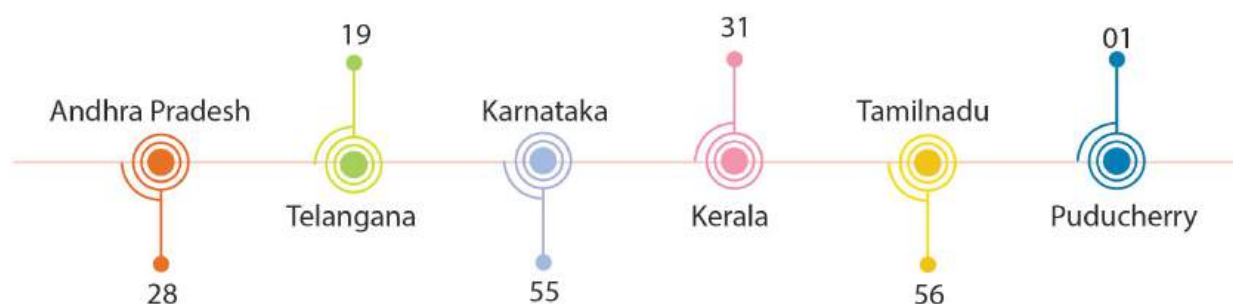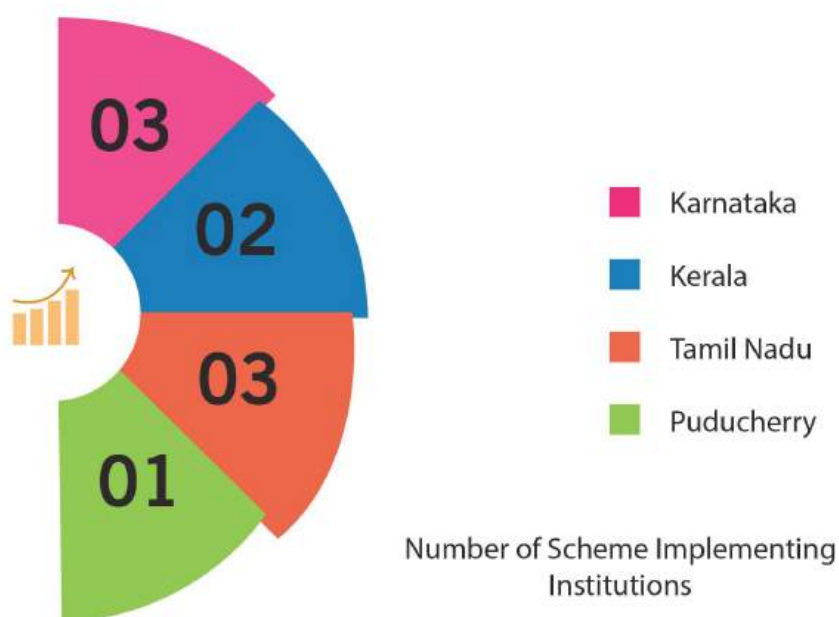# Association with ITEC

3000+ Participants from 119 Countries

Global Presence

Europe
12%

Asia
19%

North America
2%

Caribbean
8%

Central America
4%

Pacific
2%

Midile East
7%

Africa
38%

South America
8%

Community Development Through Polytechnics (CDTP)

State wise Scheme Implementing Institution Details

Andhra Pradesh — 28
Telangana — 19
Karnataka — 55
Kerala — 31
Tamilnadu — 56
Puducherry — 01

Scheme of Integrating Persons with Disabilities (PwD) into the Main stream of TVET

03 Karnataka
02 Kerala
03 Tamil Nadu
01 Puducherry

Number of Scheme Implementing Institutions

Skill Development Training - Trades

Agricultural Trades (16)

Civil Trades (17)
Computer & Information Technology Trades (06)

Electrical & Electronics Trades (14)
Mechanical Trades (30)
Non Engineering Trades (41)
Non Engineering Trades (15)

Training of Trainers (ToT) Programmes

Workforce Readiness and Skill Development

Skill Hub under PMKVY 4.0:
NITTTR Chennai, recognized as a Skill Hub, leads skill development and workforce readiness through innovative initiatives.
Specialized Programs:
Drone Manufacturing and Assembly Technician Course:
Trained nearly 170 individuals, addressing critical skill gaps in emerging technologies.
Training of Trainers (ToT) Program:
Conducted in collaboration with Nachimuthu Polytechnic College for the Tamil Nadu Rural Transformation Project (TNRTP) / Vaazhnthu Kaattuvom Project (VKP), promoting rural enterprise, sustainability, and employment opportunities.
Key Collaborations:
Ministry of Education's Innovation Cell, AICTE, and Wadhwani Foundation: Hosted the 5-Day IDE Boot Camp (June 22-26, 2023), providing a dynamic platform for skill enhancement and professional growth. NITTTR Chennai continues to empower individuals with industry-relevant skills, driving rural transformation, technological progress, and workforce development

Learning Zone

Main Building

Dr. A.P.J.Abdul Kalam Academic complex

Mahakavi Bharathiyar Block

Swami Vivekananda Block

Auditorium

International Guest House

Prof.A.P.Jambulingam Guest House

Dr. S. Radhakrishnan International Hall of Residence

Resource Centre

Seminar Hall

Smart Classrooms

Hall for Group Activities

Facilities

Yoga Hall

ETV Studio

Solar Power Generation Lab

Communication skill Lab

RO Water Treatment Plant

Cafeteria

Gym

Sports

World Class Facilities

- Exposure to Emerging Areas
- Industrial Training
- Laboratory Facilities
- Smart Classrooms
- Resource Centre
- Guest House Facilities
- Seminar Halls
- Auditorium
- Wi-Fi Campus
- Sport Facilities
- Gym Facilities
- Medical Facilities

State-of-the-Art Laboratories

CIVIL ENGINEERING

COMPUTER SCIENCE AND ENGINEERING

EDUCATIONAL MEDIA AND TECHNOLOGY

EDUCATION

ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRICAL AND ELECTRONICS ENGINEERING

MECHANICAL ENGINEERING

RURAL AND ENTREPRENEURSHIP DEVELOPMENT

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in NITTTR Chennai   ▶ NITTTR Chennai

Scan to view
Temple of Learning