

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)**



Innovate to Educate
Educate to
Innovate



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TECHNICAL TEACHERS TRAINING AND RESEARCH**
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 (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 conferred the Deemed to be 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.

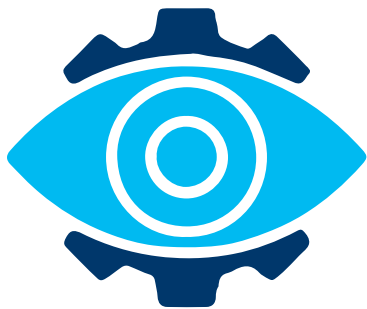


Prof. Usha Natesan
Director



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

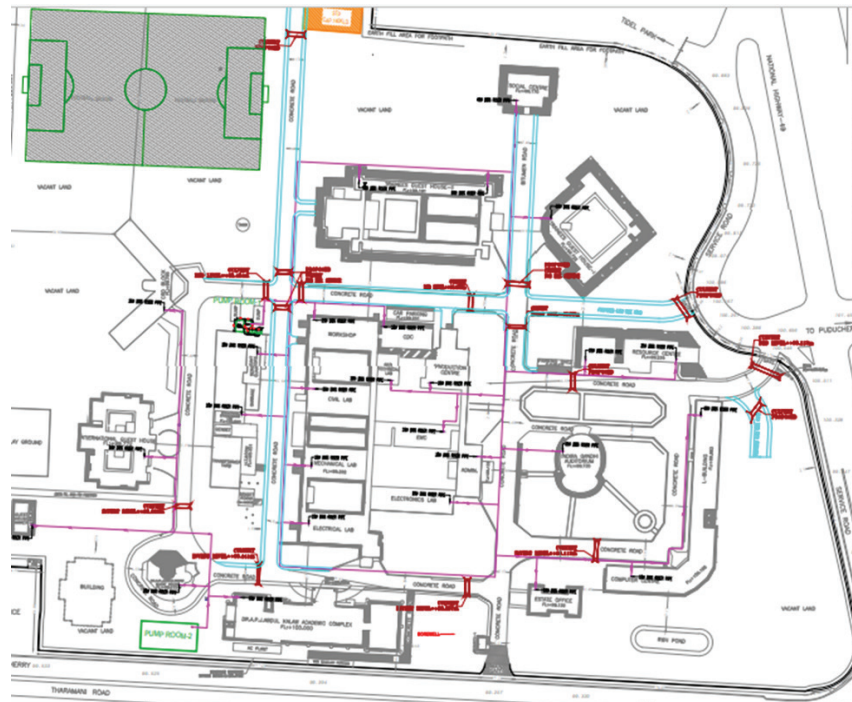
NITTTR

Chennai Campus

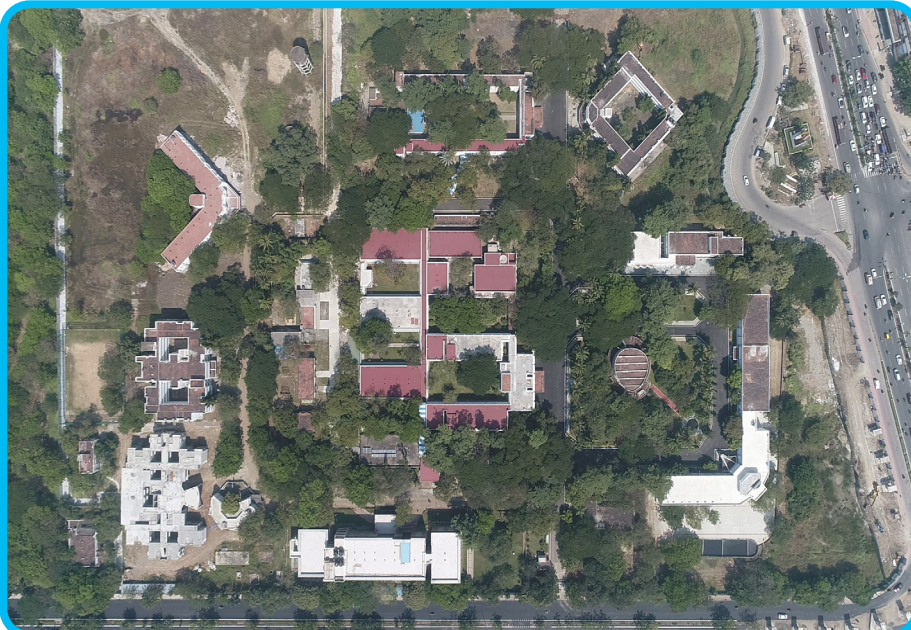
Land Area - 24.85 acres

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**

- Deemed to be University under Distinct Category
- PGDTCA
- 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 Research



Departments

- Civil Engineering
- Computer Science and Engineering
- Curriculum Development, Planning and Coordination
- 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
- Kalamassery
- Hyderabad
- Vijayawada



Activities at a Glance

Training Programmes



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 117 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

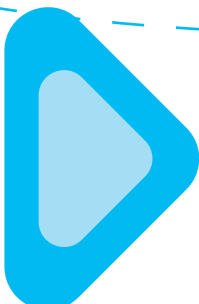
- M.Tech (By Research) - All Disciplines

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 - 2024): 5, 17, 601

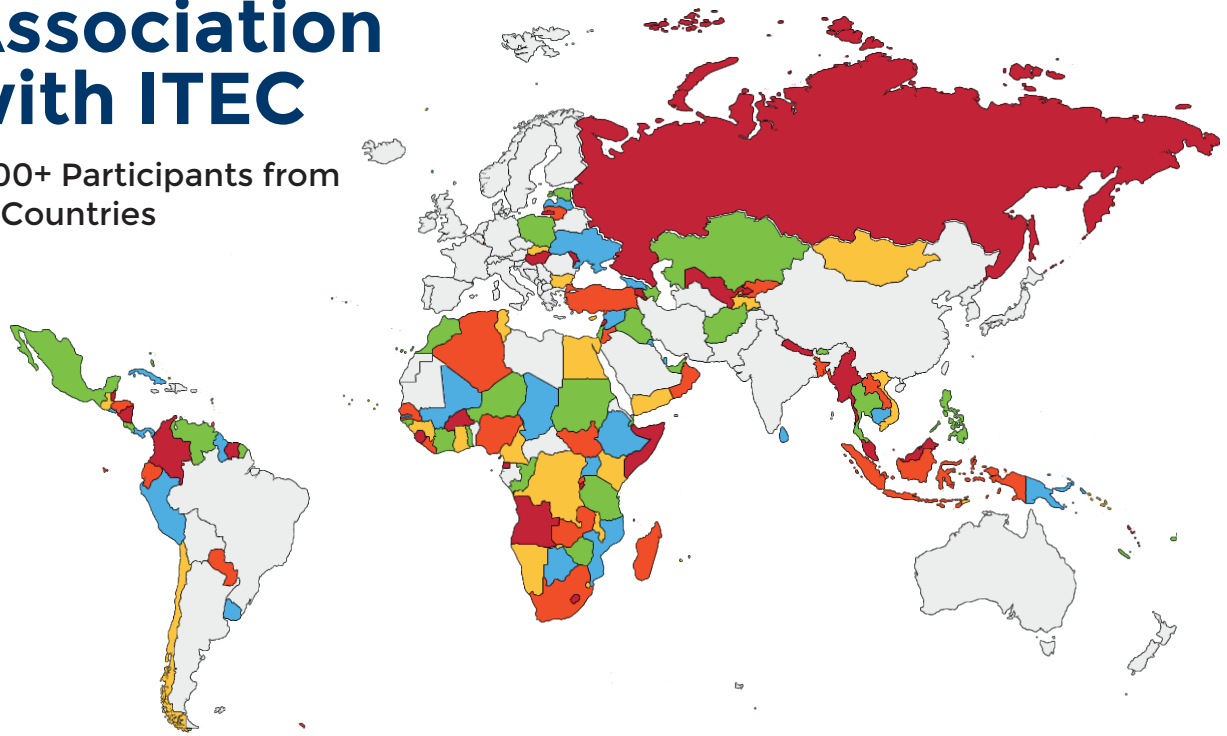
NITTT National Coordinator



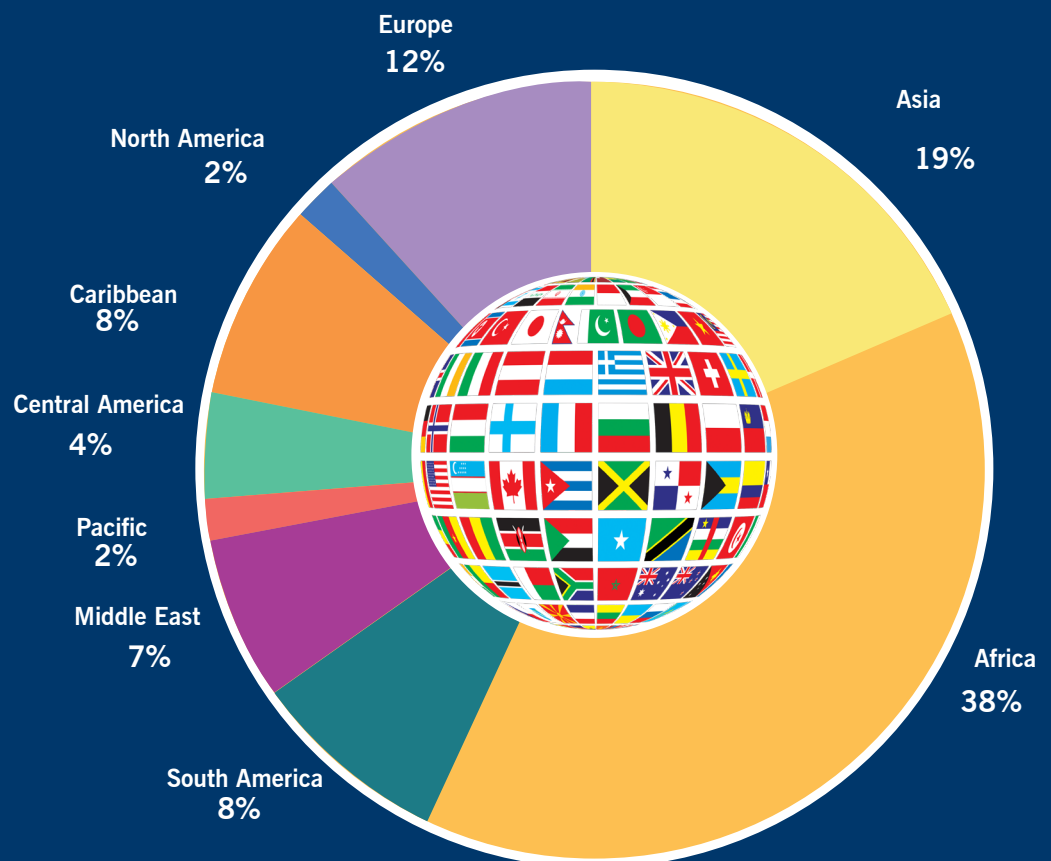
Registered Learners (2020 - 2024): 27471

Association with ITEC

3000+ Participants from
117 Countries

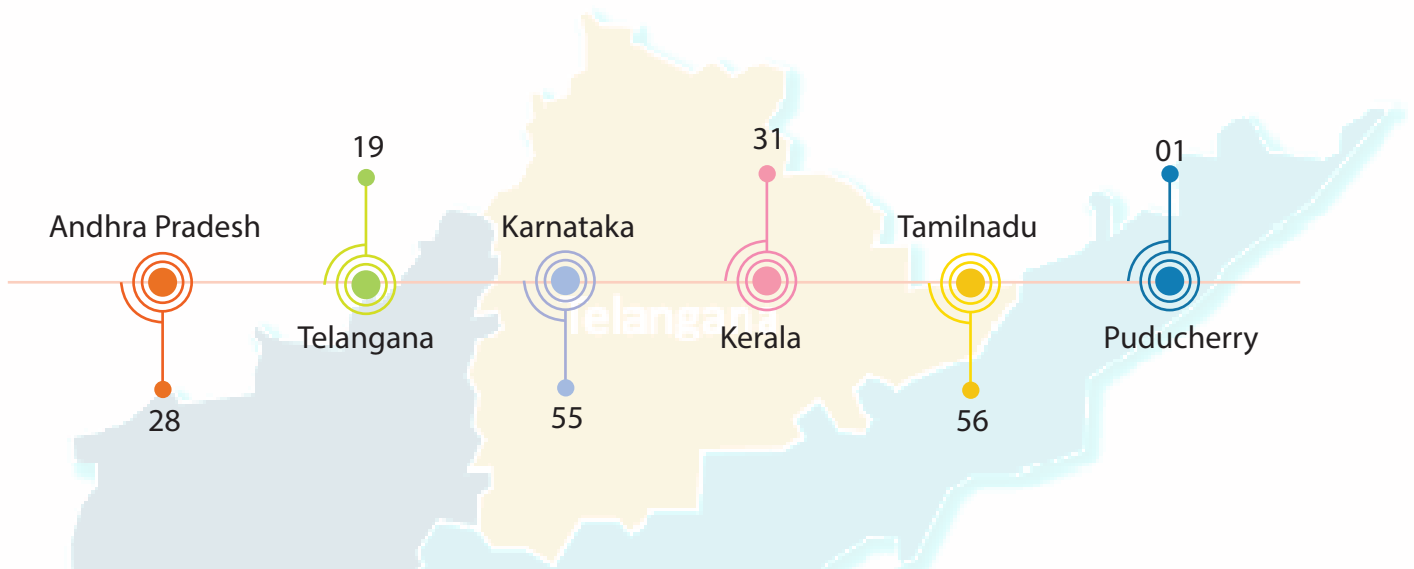


Global Presence

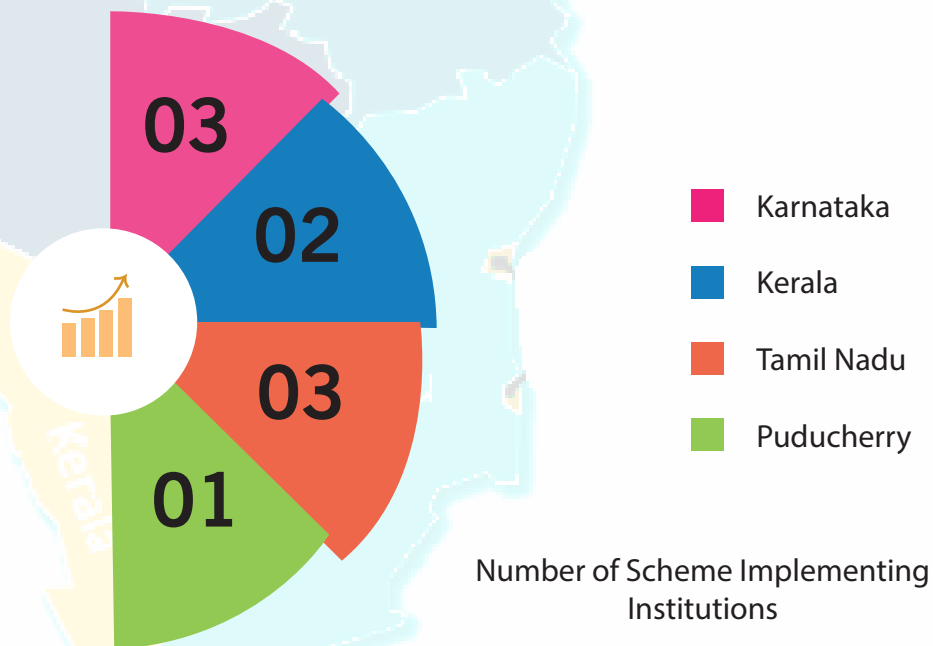


Community Development Through Polytechnics (CDTP)

State wise Scheme Implementing Institution Details



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



Skill Development Training - Trades

Agricultural Trades (16)

Civil Trades (17)

**Computer & Information
Technology Trades (06)**

Electrical &

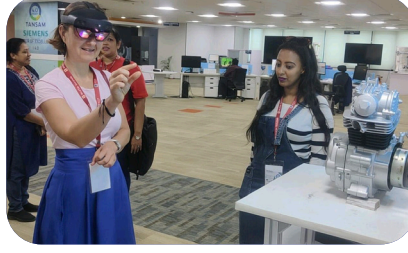
Electronics Trades (14)

Mechanical Trades (30)

Non Engineering Trades (41)

Non Engineering Trades (15)

Training of Trainers (ToT) Programmes



Workforce Readiness and Skill Development

Skill Hub Initiatives (PMKVY 4.0):

NITTTR Chennai, as a Skill Hub, drives workforce readiness through innovative programs.

Highlights:

Drone Manufacturing Technician Course: Trained 170+ individuals, bridging skill gaps in emerging technologies.

Training of Trainers (ToT):

Collaborated with Nachimuthu Polytechnic College for TNRTP/ VKP, fostering rural enterprise and employment.

IDE Boot Camp:

Partnered with AICTE, Ministry of Education's Innovation Cell, and Wadhvani Foundation for a 5-day skill enhancement program (June 2023).

MOU and International Collaborations



Industrial Collaborations

Ashok Leyland Ltd.
Brakes India Pvt. Ltd.
Wadhvani Foundation
Infosys springboard
Forge Innovation & Ventures
RFLY Innovations Private Limited.
International Business Machines Corporation (IBM)
Education and Research Network (ERNET India)
Centre of Excellence in maritime and ship building (CEMS)



Learning Space



NITTR
Main Building



International
Guest House



Resources
Centre



Auditorium



Seminar Hall



Smart Classrooms



Hall for Group
Activities



Microteaching Lab



Yoga Hall



ETV Studio



Solar Power
Generation Lab



RO Water
Treatment Plant



Library



Cafeteria



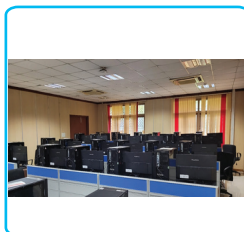
Gym



Sports



Robotics Lab



Modelling and
Simulation Lab



Drones Lab



Electric Vehicle Lab

World Class Facilities



Exposure to Emerging Areas



Resource Centre



Wifi Campus



Industrial Training



Guest House Facilities



Sport Facilities



Laboratory Facilities



Seminar Halls



Gym Facilities



Smart Classrooms



Auditorium



Medical Facilities

State-of-the-Art Laboratories

CIVIL ENGINEERING



COMPUTER SCIENCE AND ENGINEERING

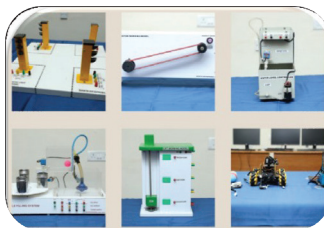
EDUCATIONAL MEDIA AND TECHNOLOGY



EDUCATION



ELECTRONICS AND COMMUNICATION ENGINEERING



ELECTRICAL AND ELECTRONICS ENGINEERING



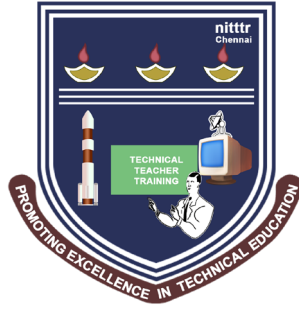
MECHANICAL ENGINEERING



RURAL AND ENTREPRENEURSHIP DEVELOPMENT







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