

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH,
TARAMANI, CHENNAI 600 113**

Particulars of Organization, functions & duties [Section 4(1)(b)(i)]:

PREAMBLE

The National Institute of Technical Teachers Training and Research (NITTTR) Chennai was established as an autonomous institute by the Ministry of Education (MoE), Government of India in the year 1964 to improve the quality of technical education system in India and in the southern region in particular. Within this mandate, the institute takes initiatives to offer need based human resource development programmes through appropriate modes and develop curricula and instructional resources. It also fosters research in core engineering areas and also in the inter-disciplinary areas of engineering education and offers consultancy services for the total development of engineering colleges, polytechnics, vocational institutions, industry, service sector and the community at large.

In carrying out the above mandate, the institute collaborates with national and international institutes, universities and other agencies interested in and / or deriving benefits from the technical education and training.

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

MISSION

The NITTTR, Chennai is a resource institution established by the Government of India for quality improvement of technical education in the southern region of the country in particular.

- * 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

The following are the core values for our service to technical teachers and in turn to students.

- ◆ Quality
- ◆ Innovation
- ◆ Collaboration

- ◆ Ethics
- ◆ Excellence

MOTTO

“Innovate to Educate and Educate to Innovate”

OBJECTIVES

The objectives of the institute are:

- ✓ To act as a centre for offering quality training programmes for technical teachers as per needs of the cliental system, covering the entire gamut of technical education including engineering colleges, polytechnics and management education, at regional and national levels.
- ✓ To arrange for training of technical personnel in industries on a collaborative education plan.
- ✓ To undertake systemic research to provide inputs for the development of technical education training systems and their management.
- ✓ To undertake and guide research for development of innovative methods, processes and practices for improvement of teaching-learning environment in technical institutions.
- ✓ To design new instructional systems and strategies for production of multimedia learning materials.
- ✓ To develop and disseminate learning resources like textbooks, laboratory manuals, video programmes, computer assisted instructional multimedia packages to technical institutions and other organisations.
- ✓ To offer programmes for technical teachers in distance learning mode using state-of-the-art technologies.
- ✓ To offer courses / programmes for technical and vocational teachers to suit overseas demand especially from SAARC & ASEAN countries.
- ✓ To institute awards, fellowships, scholarships, prizes and medals.
- ✓ To collaborate with the community and industries in organizing continuing and non-formal vocational education programmes and providing extension and consultancy services.
- ✓ To undertake consultancy project for industry and technical institutions/organisations.
- ✓ To strengthen extension centres of the institute in different States for serving the specific needs of each State.

- ✓ To provide support services to Government of India schemes related to technical and vocational education system and as entrusted by the MoE, Government of India, from time to time.
- ✓ To cooperate with educational or other institutions in any part of the world having similar objectives wholly or partly similar to those of the institute by exchange of teachers and scholars and generally in such manner as may be conducive to their common objects.
- ✓ To develop e-content and MOOCs on Teacher Education under the SWAYAM project of the Ministry. The NITTTR, Chennai is the National Coordinator for this project.
- ✓ To coordinate National Initiative for Technical Teachers Training policy of AICTE.

