



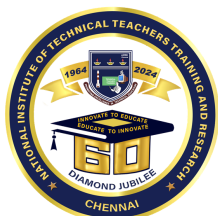
NEWSLETTER

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH

MONTHLY NEWS

2026 JULY

VOLUME 9, ISSUE 7



NITTTR CHENNAI

NITTTR CHENNAI

NEWSLETTER

DIRECTOR'S MESSAGE



MONTHLY NEWS

VOLUME 9, ISSUE 7

JULY 2026

Greetings from NITTTR, Chennai.

I am delighted to present the July 2026 edition of our newsletter, highlighting a landmark month of infrastructure expansion, industry engagement, and global collaborations.

A key highlight was the inauguration of our new state-of-the-art facilities—including the Experiential Tech Pavilion, ARKA Centre for Intelligent Computing, Vidiyal Innovation Hub, Aazhi Research Lab, and upgraded 245-system computer labs—further strengthening our research and experiential learning capabilities.

We deepened industry ties through customised training for Brakes India, Lucas TVS, and Tata Advanced Systems, and signed an MoU with Doshahen Solutions in Pune. Globally, we hosted an ITEC programme on AI in STEM education and engaged in collaborative discussions with the Singapore International Foundation. Across our extension centres, we delivered impactful faculty development in AI pedagogy, OBE, robotics, and advanced manufacturing. In line with our commitment to holistic growth and national priorities, NITTTR Chennai has established the Centre for Applied Psychology and the Centre for Defence and Skill Education (CDSE). Further strengthening our institutional expertise, our faculty recently participated in high-level national training programs at IIT Madras and NIDM Vijayawada. Demonstrating our environmental commitment, our campus community planted 1,000 saplings, bringing our total plantation count to 5,000.

As we wrap up admissions for our 2026–27 PG and Ph.D. programmes, I extend my heartfelt gratitude to our team and partners for driving excellence in technical education.

Warm regards,
Prof. Dr. Usha Natesan
Director, NITTTR Chennai

INSIDE THIS ISSUE :

INTERNATIONAL SEMINAR & WORKSHOP / TRAINING PROGRAMMES / MEMORANDUM OF UNDERSTANDING / MERIT OCCASIONS / SPECIAL SKILL TRAINING PROGRAMMES

CONFERENCES/SEMINARS/TRAINING/WEBINARS

THREE-DAY TRAIN THE TRAINERS PROGRAMME

A three-day Train the Trainers Programme for the officials of Brakes India was successfully conducted by NITTTR Chennai from 27–29 July 2026. The programme was inaugurated on 27 July 2026 by Dr. D. Bheemsingh Melchisedec, President, HVBU, Brakes India, whose inspiring inaugural address emphasized the importance of continuous learning and capability building in the organization.

The programme covered Foundations of Effective Training, Effective Communication and Training Delivery Skills, Training Needs Analysis and Designing Impactful Training Programmes, Leveraging AI Tools for Industrial Training, and Designing Training Curriculum, equipping participants with contemporary training and facilitation competencies.

The programme was conducted under the leadership of Prof. Dr. Usha Natesan, Director, NITTTR Chennai, and coordinated by Dr. K. S. Giridharan, who also delivered technical sessions along with Er. M. Sutaarson.

The initiative was supported by Mr. Sriram Viji, Managing Director, Brakes India, with the valuable coordination of Mr. Madhusudan, Director – Corporate Affairs & HR, Mr. Krishnamurthy, Advisor, Mr. Christopher, Principal, BITTC, and Mr. Sreeram, Training Officer, BITTC, reflecting Brakes India's commitment to continuous employee learning and organisational excellence.



PROFESSIONAL DEVELOPMENT PROGRAMMES

VALEDICTORY ADDRESS

Dr. M. Senthil Kumar, Professor, Department of Mechanical Engineering, NITTTR Chennai, delivered the valedictory address to the participants of the following contact mode Professional Development Programmes on 03.07.2026.

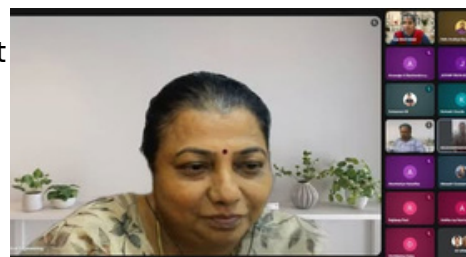
1. Smart Project Management Using IT Tools
2. AI Tools for Educators
3. Energy and Environmental Management
4. Societal Responsibility, Ethics and Inclusive Development in HEIs



VALEDICTORY ADDRESS

Dr. G. A. Rathy, Professor (Department of Electrical and Electronics Engineering) & Head (Department of Education), NITTTR Chennai, delivered the valedictory address to the participants of the following online Professional Development Programmes on 03.07.2026.

1. Digital Transformation and AI in Academic Management
2. Project Cost and Risk Management
3. Innovative Use of Educational Media and Technology
4. Circuit Simulation and PCB Design Using Multisim



BUILDING ACADEMIC EXCELLENCE THROUGH CURRICULUM DESIGN, PEDAGOGY AND ASSESSMENT

NITTTR Chennai conducted a Professional Development Programme on "Building Academic Excellence through Curriculum Design, Pedagogy and Assessment" from 29.06.2026 to 10.07.2026 at Presidency University, Bengaluru, Karnataka, in contact mode. The programme was coordinated by Dr. S. Saravana Perumaal.



AI TOOLS FOR EFFECTIVE LEARNING

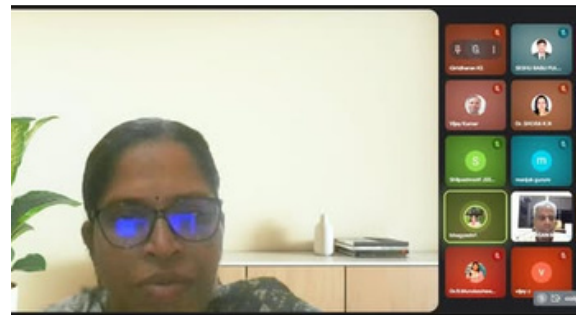
NITTTRC Extension Centre, Bangalore, conducted a Professional Development Programme on “AI Tools for Effective Learning” from 06.07.2026 to 10.07.2026 for faculty of all disciplines in contact mode. The programme was coordinated by Er. V. Sivakumar.



VALEDICTORY ADDRESS

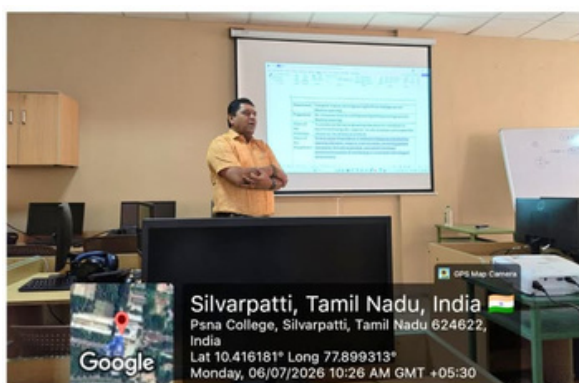
Dr. A. Padma Rekha, Professor, Department of Civil Engineering, NITTTR Chennai, delivered the valedictory address to the participants of the following online Professional Development Programmes on 10.07.2026.

1. Design and Construction of Concrete Pavement
2. Cyber Security and Digital Defense Mechanisms
3. AI Techniques for Handling Text Data
4. Tools for Inclusive Education
5. Strategic Curriculum Design for Effective OBE Implementation



OBE - GAPC 4.0 AND PREPARATION OF SELF LEARNING MATERIALS (PHASE-II)

NITTTR Chennai conducted a Professional Development Programme on “OBE – GAPC 4.0 and Preparation of Self-Learning Materials (Phase-II)” from 06.07.2026 to 09.07.2026 for the faculty members of PSNA College of Engineering & Technology, Kothandaraman Nagar, Dindigul, Tamil Nadu, in contact mode. The programme was coordinated by Dr. G. Janardhanan and Dr. V. Shanmuganeethi.



GAPC 4.0

NITTTR Chennai conducted a Professional Development Programme on “GAPC 4.0” from 09.07.2026 to 11.07.2026 for the faculty members of K.S. Rangasamy College of Technology, Tiruchengode, Tamil Nadu, in contact mode. The programme was coordinated by Dr. G. Janardhanan and Dr. V. Shanmuganeethi.



TEACHING BEYOND CHALK & TALK: AI-ASSISTED PEDAGOGY AND OBE PRACTICES FOR THE MODERN ENGINEERING CLASSROOM (PHASE-I)

NITTTR Chennai conducted a Professional Development Programme on “Teaching Beyond Chalk & Talk: AI-Assisted Pedagogy and OBE Practices for the Modern Engineering Classroom (Phase-I)” from 09.07.2026 to 11.07.2026 for the faculty members of Mahendra Engineering College, Namakkal, Tamil Nadu, in contact mode. The programme was coordinated by Dr. V. Shanmuganeethi and Dr. K. S. A. Dinesh Kumar.



DEVELOPING OBE ATTRIBUTES-COMMUNICATION TEAMWORK & LIFE LONG LEARNING

NITTTRC Extension Centre, Bangalore, conducted a Professional Development Programme on “Developing OBE Attributes–Communication, Teamwork & Life-Long Learning” from 13.07.2026 to 17.07.2026 for faculty in relevant disciplines in contact mode. The programme was coordinated by Er. V. Sivakumar.



INNOVATIVE PEDAGOGY IN TEACHING AND LEARNING: DIGITAL AND AI-ENABLED APPROACHES

NITTTR Chennai conducted a Professional Development Programme on “Innovative Pedagogy in Teaching and Learning: Digital and AI-Enabled Approaches” from 13.07.2026 to 17.07.2026 for the faculty members of Er. Perumal Manimekalai College of Engineering, Hosur, Krishnagiri, Tamil Nadu, in contact mode. The programme was coordinated by Er. M. Sutaarson and Dr. K. S. Giridharan.



ROBOT PROGRAMMING, SIMULATION AND EXECUTION

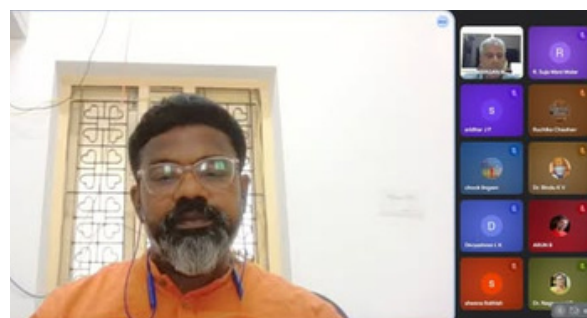
NITTTR Chennai conducted a Professional Development Programme on “Robot Programming, Simulation and Execution” from 13.07.2026 to 17.07.2026 at Vasireddy Venkatadri International Technological University, Guntur, Andhra Pradesh, in contact mode. The programme was coordinated by Dr. S. Saravana Perumaal.



VALEDICTORY ADDRESS

Dr. G. Selvakumar, Professor & Head, Department of Rural and Entrepreneurship Development, NITTTR Chennai, delivered the valedictory address to the participants of the following online Professional Development Programmes on 17.07.2026.

1. Data Analytics and Visualization
2. Designing Effective Student-Centric Learning Experiences
3. Applications of Artificial Intelligence and Machine Learning in Electrical and Electronics Engineering
4. Innovation & Startup



INSTRUCTIONAL DESIGN AND DELIVERY SYSTEMS

NITTTR Chennai conducted a Professional Development Programme on “Instructional Design and Delivery Systems” from 14.07.2026 to 18.07.2026 for the faculty members of Vasireddy Venkatadri International Technological University, Guntur, Andhra Pradesh, in contact mode. The programme was coordinated by Dr. S. Renukadevi.



INDUCTION PROGRAM FOR NEWLY RECRUITED TEACHERS (TWO WEEKS)

NITTTRC Extension Centre, Kalamassery (Cochin), conducted a Professional Development Programme on “Induction Program for Newly Recruited Teachers (Two Weeks)” from 20.07.2026 to 31.07.2026 in contact mode. The programme was coordinated by Dr. E. S. M. Suresh.



CNC PROGRAMMING & MACHINING

NITTTR Chennai conducted a Professional Development Programme on “CNC Programming & Machining” from 20.07.2026 to 24.07.2026 for faculty in relevant disciplines at Government Polytechnic, Holenarasipura, Karnataka, in contact mode. The programme was coordinated by Er. V. Sivakumar.



ADVANCED PEDAGOGICAL TECHNIQUES IN DIGITAL LEARNING AND EMERGING TECHNOLOGIES

NITTTRC Extension Centre, Vijayawada, conducted a Professional Development Programme on “Advanced Pedagogical Techniques in Digital Learning and Emerging Technologies” from 20.07.2026 to 24.07.2026 for faculty of all disciplines and industry professionals in contact mode. The programme was coordinated by Dr. B. Yogameena.



COMPUTER INTEGRATED MANUFACTURING

NITTTR Chennai conducted a Professional Development Programme on “Computer Integrated Manufacturing” from 20.07.2026 to 24.07.2026 for faculty in relevant disciplines and industry professionals in contact mode. The programme was coordinated by Dr. S. Somasundaram.



MODERN MANAGEMENT: INNOVATION, AGILITY AND EXCELLENCE

NITTTR Chennai conducted a Professional Development Programme on “Modern Management: Innovation, Agility and Excellence” from 20.07.2026 to 24.07.2026 for the learners of the College of Nursing, Madras Medical College, Chennai, in contact mode. The programme was coordinated by Prof. Dr. V. Vandhana Devi.



INDUSTRY 4.0 (PHASE-II)

NITTTR Chennai conducted a hands-on, lab-based Training Programme on “Industry 4.0 (Phase-II)” from 20.07.2026 to 24.07.2026 for the learners of the Lucas TVS Training Centre, Chennai, in contact mode. The programme was coordinated by Dr. K. S. Giridharan and Er. M. Sutaarson.



VALEDICTORY ADDRESS

Dr. M. Seenuvasan, Professor (Department of Education) & Dean (Training), NITTTR Chennai, delivered the valedictory address to the participants of the Professional Development Programme on “Modern Management: Innovation, Agility and Excellence” in contact mode on 24.07.2026.



VALEDICTORY ADDRESS

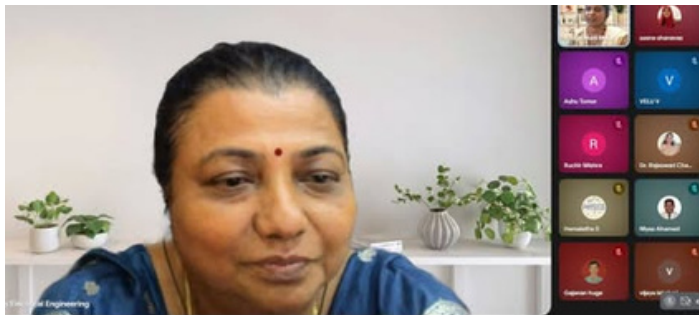
Dr. M. Seenuvasan, Professor (Department of Education) & Dean (Training), NITTTR Chennai, delivered the valedictory address to the participants of the Professional Development Programme on “Computer Integrated Manufacturing” in contact mode on 24.07.2026.



VALEDICTORY ADDRESS

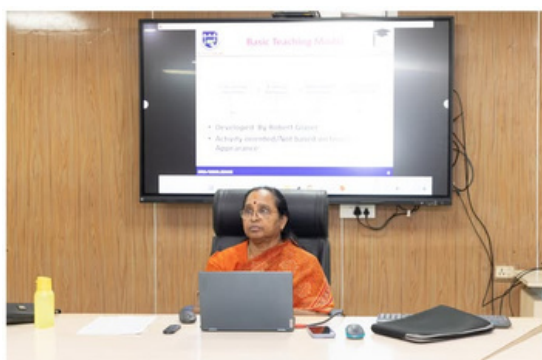
Dr. G. A. Rathy, Professor (Department of Electrical and Electronics Engineering) & Head (Department of Education), NITTTR Chennai, delivered the valedictory address to the participants of the following online Professional Development Programmes on 24.07.2026.

1. Creating Engaging Digital Content: Tools and Techniques for Educators
2. IoT Projects Using Tinkercad



ADVANCED PEDAGOGY

NITTTR Chennai conducted a Professional Development Programme on “Advanced Pedagogy” from 27.07.2026 to 31.07.2026 for faculty of all disciplines in contact mode. The programme was coordinated by Dr. S. Renukadevi.



REDEFINING CURRICULUM FOR EFFECTIVE IMPLEMENTATION OF OUTCOME BASED EDUCATION THROUGH EXPERIENTIAL LEARNING

NITTTR Chennai conducted a Professional Development Programme on “Redefining Curriculum for Effective Implementation of Outcome-Based Education through Experiential Learning” from 27.07.2026 to 31.07.2026 for the faculty members of K.L.N. College of Engineering, Sivagangai, Tamil Nadu, in contact mode. The programme was coordinated by Dr. S. Saravana Perumaal.



TRAIN THE TRAINER PROGRAMME

NITTTR Chennai conducted a Professional Development Programme on “Train the Trainer Programme” from 29.07.2026 to 31.07.2026 for the trainers of Tata Advanced Systems Limited MRO, Bengaluru, Karnataka, in contact mode. The programme was coordinated by Er. V. Sivakumar.



VALEDICTORY ADDRESS

Dr. S. Renukadevi, Professor, Department of Education, NITTTR Chennai, delivered the valedictory address to the participants of the Professional Development Programme on “Advanced Pedagogy” in contact mode on 31.07.2026.



VALEDICTORY ADDRESS

Dr. P. Malliga, Professor and Head, Department of Computer Science and Engineering, NITTTR Chennai, delivered the valedictory address to the participants of the following online Professional Development Programmes on 31.07.2026.

1. Security Principles in Modern Computing Environments
2. Design and Analysis of Algorithm using Python
3. Quantum Computing Fundamentals
4. Academic Writing & Publishing Mastery Using LaTeX
5. Smart Grid Technologies and Renewable Energy Systems
6. Renewable Energy Sources



ITEC PROGRAMMES

A FRAMEWORK FOR INTEGRATING AI TO ENHANCE STEM EDUCATION

Prof. Usha Natesan, Director, NITTTR Chennai, India, delivered the inaugural address to the international participants of the ITEC Programme titled “A Framework for Integrating AI to Enhance STEM Education” at NITTTR Chennai on 23.07.2026.



MEMORANDUM OF UNDERSTANDING

DOSHAHEEN SOLUTIONS PUNE

On 03.07.2026, NITTTR Chennai has entered into a Memorandum of Understanding (MoU) with Doshahdeen Solutions Pune, to foster collaboration in areas of skill development, innovation, research, and industry academia engagement.

The partnership marks an important step towards creating opportunities for knowledge exchange, joint initiatives, and capacity building, contributing to the advancement of technical education and professional development.

The MoU reflects a shared commitment to leveraging expertise and resources for meaningful and impactful outcomes.



IN CAMPUS EVENTS

STATE-OF-THE-ART COMPUTER LABS AT NITTTR CHENNAI

NITTTR Chennai offers 245 modern computer systems, including laptops, across 3 well-equipped laboratories with a secure, high-performance environment and high-speed internet connectivity.

Our facilities are available on rent and are ideal for computer-based training programmes, assessments and National & Regional Entrance Examinations. Partner with NITTTR Chennai for your next training programme or computer-based examination.

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INAUGURATION OF INFRASTRUCTURE FACILITIES

National Institute of Technical Teachers Training and Research (NITTTR) Chennai cordially invites you to the Inauguration of NITTTR Chennai Infrastructure Facilities, marking another milestone in advancing innovation, technology, and academic excellence.

Date: 07 July 2026 (Tuesday)

Time: 10:30 AM

Venue: Thiruvalluvar Auditorium, APJ Academic Complex, NITTTR Chennai

We are honoured to welcome Prof. Dr. M. V. Kartikeyan, Director, IIITDM Kancheepuram, as the Chief Guest for this special occasion.



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 A Centrally Funded Technical Institute (Ministry of Education, Government of India)
 Taramani, Chennai - 600 113, India.

Date: 07.07.2026 (Tuesday) | Venue: Thiruvalluvar Auditorium, APJ Complex | Time: 10:30 AM

Cordially Invites Your Esteemed Presence for the

INAUGURATION OF NITTTR CHENNAI INFRASTRUCTURE FACILITIES

Celebrating a new era of innovation, excellence, and academic advancement.

Infrastructure Unveiling

- Aazhi Research Laboratory
- ARKA Centre for Intelligent Computing
- Experiential Tech Pavilion
- NITT Office
- Suvai Serenity Hall
- Vidiyal Innovation Hub

Chief Guest


 Prof. Dr. M.V. Kartikeyan
 Director,
 IIITDM Kancheepuram


 Prof. Dr. Usha Natesan
 Director,
 NITTTR Chennai

INAUGURATION OF NEW INFRASTRUCTURE FACILITIES

NITTTR Chennai marked a significant milestone in its journey towards institutional growth and future-ready technical education with the inauguration of new infrastructure facilities on 07 July 2026.

The facilities inaugurated include the Experiential Tech Pavilion, ARKA Centre for Intelligent Computing, Vidiyal Innovation Hub, Aazhi Research Lab, NITTT Office, and Suvai Serenity Hall. The programme was graced by Prof. M. V. Kartikeyan, Director, IIITDM Kancheepuram, in the presence of Prof. Usha Natesan, Director, NITTTR Chennai. Prof. M. V. Kartikeyan delivered the inaugural address, and Prof. Usha Natesan delivered the presidential address.

These facilities will strengthen experiential learning, intelligent computing, industry interaction, research, teacher training, and campus services, supporting NITTTR Chennai's mission of excellence in technical education, training, research, consultancy, and innovation.



NITTTR FACULTY ATTEND MENTAL WELLBEING WORKSHOP AT IIT MADRAS

Two NITTTR Chennai faculty members participated in a two-day workshop on mental wellbeing titled "Celebrating Minds: From Academic Excellence to Sustainable Wellness" on July 12–13, 2026. Organized by the Wellness Centre DoST Office at IIT Madras under the prestigious Malaviya Mission Teacher Training Programme, the event was held at Terrace Hall, IIT Madras, focusing on promoting holistic wellness in academic environments.



NITTTR FACULTY PARTICIPATE IN FDP ON DISASTER RISK REDUCTION

Four faculty members from NITTTR Chennai—Dr. G. Janardhanan, Dr. M. Seenuvasan, Dr. M. Anil Kumar, and Dr. Vinod Kumar Adigopula—participated in a five-day Faculty Development Programme (FDP) on "Risk-Informed Planning and Disaster Risk Reduction" from July 27–31, 2026. Hosted at the NIDM Southern Campus in Vijayawada, Andhra Pradesh, the training focused on enhancing institutional expertise in disaster resilience and strategic risk-informed planning.



ESTABLISHMENT OF THE CENTRE FOR APPLIED PSYCHOLOGY

Following approval from the Board of Governors (66th BoG), NITTTR Chennai has officially established the Centre for Applied Psychology to address growing mental health needs and promote holistic development in technical education. Operating under the Department of Education, the Centre bridges cognitive rigour with emotional well-being and behavioural sciences. It will serve as an academic hub offering PG degree/diploma programs, specialised certificate courses, Ph.D. research, psychometric test development, and workplace counselling interventions. This pioneering initiative positions NITTTR as a forward-thinking leader in integrating psychological resilience and student-centric support into engineering education ecosystems.

ESTABLISHMENT OF THE CENTRE FOR DEFENCE AND SKILL EDUCATION (CDSE)

Following approval from the Board of Governors (66th BoG), NITTTR Chennai has established the Centre for Defence and Skill Education (CDSE). Operating under the Department of Rural and Entrepreneurship Development, CDSE serves as a strategic platform to align technical education with NEP 2020 objectives. The Centre will foster academia-industry-defence partnerships, focusing on work-integrated learning, competency-based curricula, and workforce development. Building on successful capacity-building programs for the Armed Forces and DGR ex-servicemen training in 3D Printing, CDSE positions NITTTR as a key facilitator for strategic skilling and national development priorities.

SAPLING PLANTATION DRIVE

On 25.07.2026, NITTTR Chennai successfully organised a Sapling Plantation Drive, during which 1,000 saplings were planted, taking the institute's cumulative plantation count to an impressive 5,000 saplings across the Chennai campus. The initiative reflects the vision of the Director, Prof. Dr. Usha Natesan, to embed environmental sustainability into the institute's culture, inspiring the campus community to contribute towards a greener and more sustainable future.



DISCUSSION WITH SINGAPORE INTERNATIONAL FOUNDATION

On 29.07.2026, Prof. Usha Natesan, Director, NITTTR Chennai, discussed with delegates from the Singapore International Foundation (SIF), Singapore, at NITTTR Chennai to explore collaboration on organising joint training programmes. Deliberations focused on Education, Climate Change, Digital Technologies and other emerging areas, with the shared objective of strengthening international partnerships through capacity building and workforce skill development across India.



ADMISSIONS OPEN FOR 2026-27

We are pleased to inform you that the National Institute of Technical Teachers Training & Research (NITTTR), Chennai has announced the admissions open for the academic year 2026-27 for PG and Ph.D Programmes.

The last date for submitting online applications for Admissions to M.Tech. / MBA and Ph.D. courses at NITTTR Chennai is extended till 15.07.2026.

LAST DATE EXTENDED - 15TH JULY 2026

ADMISSIONS OPEN

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NEWSLETTER IN-CHARGE

Dr. SHOBA. K.N.
Associate Professor
Department of Education

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