

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH
Taramani, Chennai – 600 113

Minutes of the 62nd Meeting of the Board of Governors (through Hybrid mode)
held on 09.06.2025, Tuesday at 03:30 p.m. in the Board Room of NITTTR, Chennai

The following Members were present at the Meeting:

01	Shri Ashok Kumar Singh, Under Secretary–TS-IV, Ministry of Education, Government of India, Department of Higher Education New Delhi – 110 001.	Chairman / Representative of JS (TEL)
02	Shri Udaya Kiran, Under Secretary, Integrated Finance Division, Ministry of Education, Department of Higher Education, New Delhi – 110 001.	Representative of JSFA
03	Dr. N.H. Siddalinga Swamy, Adviser - II (Administration Bureau), All India Council for Technical Education, Nelson Mandela Marg, Vasant Kunj, New Delhi-110 070	Member
04	Prof. Dr. Veerendra Kumar, Director of Technical Education Department of Technical Education, Skill Development & Employment Vallabh Bhavan, Mantralaya, Bhopal- 462004, Madhya Pradesh.	Member
05	Shri V. Padma Rao, Joint Director, Directorate of Technical Education, F.NO.301, Garudadri K.K Towers, Lakshmi Narasimha Colony, Service Road, Near Dr. YSR Aarogyasri Healthcare Trust, Mangalapuri, Guntur-522503, Andhra Pradesh.	Representative of DTE, Andhra Pradesh
06	Shri. P.Thilagaraj, Special Officer (Curriculum Development Centre), Commissionerate of Technical Education, 53, Sardar Patel Road, Anna University, Guindy, Chennai- 600 025.	Representative of DTE, Tamil Nadu
07	Dr. P. Malliga , Professor & Head, Department of Computer Science & Engineering NITTTR Chennai.	Member (Faculty Representative)
08	Dr. Usha Natesan, Director, NITTTR, Chennai.	Member Secretary

The above members have attended the Board meeting through video conferencing except Dr. Usha Natesan, Director, NITTTR Chennai who has attended through contact mode. The following members could not attend the meeting:

1. Director of Technical Education,
3, Mahapalika Marg, Post Box No.1967,
Opp. Metro Cinema, Mumbai – 400 001
Maharashtra.
2. Director of Technical Education,
HMT Junction, Kalamassery,
Kochi – 683 104, Kerala.

Since the tenure of the Chairman, BoG was vacant from 27.02.2024, the members of the Board had nominated Shri Ashok Kumar Singh, Under Secretary–TS-IV, Ministry of Education, Government of India, Department of Higher Education to chair the 62nd Board of Governors meeting.

At the outset, Dr. Usha Natesan, Member Secretary welcomed all the members to the 62nd Meeting of the Board of Governors and briefed about the major activities / achievements of NITTTR Chennai in January to March 2025. The details are enclosed as Annexure.

The items on the agenda were taken up for consideration, deliberations and decisions are as under:

Item No. BoG.62.01.01

To consider and confirm the minutes of 61st Meeting of the BoG held on 25.03.2025

Res. No. BoG.62.01.01/2025-26

The Board confirmed and approved the minutes of the 61st Meeting of the BoG held on 25.03.2025.

Item No.BoG.62.02.01

To report the action taken on the various resolutions passed at 61st Meeting of the BoG held on 25.03.2025

Res. No. BoG.62.02.01/2025-26

The Board noted the action taken by the Institute on the various resolutions passed in the 61st Meeting of the BoG held on 25.03.2025 and approved the same. Further, the Member Secretary informed to the Board that UGC was addressed regarding the revision of qualification for the post of Associate Professor in Mathematics and requested for Board's approval for revision of the same. The Board suggested to await for reply from UGC.

Item No.BoG.62.03.01

To consider the Agenda and Notes being placed before the 57th Meeting of the Finance Committee

Res. No. BoG.62.03.01/2025-26

The Board discussed the recommendations made by the Finance Committee (FC) on the agenda items placed in the 57th meeting of the FC held on 09.06.2025 as listed below and separate minutes have been prepared based on the discussion during the meeting of the Finance Committee.

Item No.	Items
57.01.01	To consider and confirm the minutes of the 56 th Meeting of the Finance Committee held on 25.03.2025
57.02.01	To report about the action taken on the various resolutions passed at the 56 th Meeting of the Finance Committee held on 25.03.2025
57.02.02	To report about the details regarding grants received and progress of expenditure of the Institute up to 30.04.2025
57.03.01	To consider and approve the Draft Annual Accounts of the Institute for the year 2024-25 for submission to the Audit
57.03.02	To consider and approve the Revised Distribution of Honorarium for RTI Third Party Audits
57.03.03	To consider and approve the Curriculum Development Fees and Vetting Fees
57.04.01	To consider and ratify the Industry-Integrated Internship cum Skill Development Programme on 3D Modeling for Product Visualization and Digital Prototyping in collaboration with VFX Academy along with Proposed Fee Structure

The Board noted and approved the same.

Item No.BoG.62.04.01

To report on the MoUs signed between NITTTR Chennai and various Institutions

Res. No. BoG.62.04.01/2025-26

The Board noted the report on the MoUs signed between NITTTR Chennai and various Organisations.

Item No. BoG.62.04.02

To report the joining of the newly recruited Teaching and Non-Teaching Staff Members

Res. No. BoG.62.04.02/2025-26

The Board noted the report on the joining of the newly recruited Teaching and Non-Teaching Staff Members.

Item No.BoG.62.04.03

To report on the foreign visit of Faculty Members of NITTTR Chennai

Res. No. BoG.62.04.03/2025-26

The Board noted the report on the foreign visit of Faculty Members of NITTTR Chennai.

Item No. BoG. 62.05.01

To consider and approve the confirmation of probation of Faculty and Group A Staff

Res. No. BoG.62.05.01/2025-26

The Board went through the Committee's recommendation and confirmed the probation of four Faculty members and one Group A Staff on the dates specified.

Item No. BoG. 62.05.02

To consider and approve the activities carried out in the Institute and the Quarterly target achieved in MoU for the period from January to March 2025

Res. No. BoG.62.05.02/2025-26

The Board noted the activities of the Institute carried out and the Quarterly target achieved in MoU for the period from January to March 2025.

Item No. BoG. 62.05.03

To consider and approve the Training Programmes Guidelines 2025

Res. No. BoG.62.05.03/2025-26

The Board approved the Training Programmes Guidelines 2025.

Item No. BoG. 62.05.04

To consider and approve the revision of Educational qualification for the post of Assistant Professor of Education

Res. No. BoG.62.05.04/2025-26

The Board went through the Committee's recommendation for revision of Educational qualification for the post of Assistant Professor of Education and approved the same.

Item No. BoG. 62.05.05

To consider and approve the revision of Educational qualification, Experience, Age etc., for the post of Sr. Librarian in accordance with the UGC norms

Res. No. BoG.62.05.05/2025-26

The Board went through the Committee's recommendation for revision of Educational qualification, Experience, Age etc., for the existing post of the Sr. Librarian at Academic Pay Level-10. The Board approved for the change of the nomenclature of the post as Assistant Librarian having the same Academic Pay Level-10 as per UGC Regulations 2018. Further, the Board directed to adopt the qualifications for the post of Assistant Librarian under UGC Regulations 2018 in this regard and approved the revision accordingly.

Item No.BoG.62.05.06

To consider and approve the construction of house in the land purchased by the Faculty member

Res. No. BoG.62.05.06/2025-26

The Board approved the construction of house in the land purchased by the Faculty member. Dr.V.Shanmuganeethi, Assistant Professor, Department of Computer Science & Engineering.

Item No.BoG.62.06.01

To ratify the foreign visit of Faculty Member of NITTTR Chennai

Res. No. BoG.62.06.01/2025-26

The Board ratified the foreign visit of Faculty Member of NITTTR Chennai.

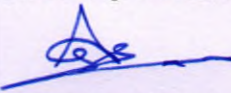
Item No.BoG.62.06.02

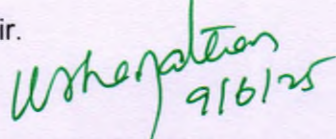
To ratify the purchase of property by Faculty Members and Group A Staff of NITTTR Chennai

Res. No. BoG.62.06.02/2025-26

The Member Secretary informed the Board that the Chairman is the Competent Authority for Faculty and Group A Staff Members and since the post of Chairman is vacant, the above item is placed before the Board for ratification. The Board noted the report on the purchase of property by the Faculty Members and Group A Staff of NITTTR Chennai who have purchased the property with prior permission from the Director, NITTTR, Chennai. Further, the Board suggested that the above item does not require Board's approval and in future such items may be placed as reporting items before the Board.

The meeting ended at 04.15 p.m. with vote of thanks to the Chair.


CHAIRMAN (BoG)
[Nominated]


DIRECTOR / MEMBER SECRETARY

**NATIONAL INSTITUTE OF
TECHNICAL TEACHERS TRAINING AND RESEARCH, CHENNAI
Institute Activities in January - March 2025**

Revenue generated : ₹ 1,96,28,684/-

Number of Participants Trained :

- **PDP Courses** : 2244
- **NITTT** : 11760
- **SWAYAM** : 62194

1. Proposal submitted /awarded for Sponsored Research Projects:

- A consultancy work for Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to establish an E-Content Development Studio and provide Hands-on Faculty Training on E-Content Development was initiated on 14.03.2025.
- Submitted 11 proposals to CPSC, Manila, Philippines, the following eleven In-Country Program (ICP) Proposals for the Fiscal Year July 2025 - June 2026:

2. Publications

Patent

- Filed Patent application No. 202441103935, Detachable Autonomous Water Landing Module with Integrated Vision and Wave Sensing System for UAVs on 13.05.2025. Inventor: E. Balasubramanian.

Book Chapter

- K.N. Shoba K. N. and D. Shereena, Writers of Indian Diaspora, Chapter - Inheriting Trauma: Reading Anjali Enjeti's The Parted Earth as a Diasporic Fiction of Postmemory and Genetic Trauma, Edited by Bijender Singh, Anurag Ambasta, Atlantic Publishers and Distributors (P) Ltd, January 20, 2025, ISBN13: 978812691146.

Journals

- G.Sridhar, E. Balasubramanian E., B.T.N. Sridhar, Flow Analysis of Transverse Injection in Typical Strut-Based Scramjet Combustor, Journal of Technical and Vocational Education, Vol. 16, Issue 1, pp. 24-34, 2025.

- S.Sakthivel Murugan, Position and Velocity Analysis of Open and Closed loop system using various controllers in Underwater ROV-ORCA for stabilized Navigation as one of the authors, published in Journal of Technical and Vocational Education (JTVE), NITTTR Chennai in Volume 26, Issue 1, January 2025.
- Gopi Satasiya, Anil Kumar and Sanak Ray, Biofouling dynamics and antifouling innovations: Transitioning from traditional biocides to nanotechnological interventions, <https://doi.org/10.1016/j.envres.2025.120943>, 2025, Scopus and SCI (IF: 7.7).
- Yang, Lung-Jieh, Wei-Cheng Wang, Chandrashekhar Tasupalli, Balasubramanian Esakki, and Mahammed Inthiyaz Shaik, Sensors on Flapping Wings (SOFWs) Using Complementary Metal–Oxide–Semiconductor (CMOS) MEMS Technology, Journal of Engineering, Vol. 6, No. 1, pp. 1-14, 2025.
- G.A.Rathy, P.Sivasankar and Aravind Balaji, ML-Based Object Recognition and Object Picking Robot using ROS published in Journal of Technical and Vocational Education, Volume 26, Issue 1, January 2025.
- Dr.S.Sakthivel Murugan “The LETBP Feature Descriptor Based Fish Species Classification Using Kepler Optimization with Extreme Learning Machine”, Romanian Journal of Information Technology, Vol. 35, No. 1, pp. 103-116, 2025.

Papers presented in Conferences

- Umashanker Sahu and Manoj Kumar Sahu, Use of Artificial Intelligence in Defence Applications, paper published in 2nd All India Technical Official Language, Conference, Unmesh-2025, DRDO proceeding part 1, Page No.300-306, January 10-11, 2025.
- Usha Natesan and G.Selvakumar presented a paper on Enhancing TVET Curricula to Meet Emerging Industry Demands: An Indian Perspective at the international conference on 'Academia - Industry collaboration for Innovation in TVET Education' at the conference jointly organized by the Colombo Plan Staff College (CPSC), Philippines and the Council for Technical Education and Vocational Training (CTEVT), Nepal at Kathmandu, Nepal, January 15-19, 2025.
- S.Sakthivel Murugan, S.Karun Pias Aro, S.Vishaal and K.Muthumeenakshi, Deep Sea Marine Bioacoustics: A study of Behavioral and Communication Patterns in Catfish and Damsel fish, Ninth National Conference of Ocean Society of India - OSICON 2025, CSIR - National Institute of Oceanography, Goa February 5-7, 2025.
- S.Sakthivel Murugan, Sabareesan Srinivasan and K.Muthumeenakshi, Colour Correction and Contrast Enhancement of Underwater Coral Reef Image, Ninth National

Conference of Ocean Society of India - OSICON 2025, CSIR - National Institute of Oceanography, Goa February 5-7, 2025.

- S.Sakthivel Murugan, R.P.Parvath Balaji and M.Vimal Raj, Design and five DOF functional analysis in ORCA ROV, Ninth National Conference of Ocean Society of India - OSICON 2025, CSIR - National Institute of Oceanography, Goa February 5-7, 2025.
- S.Sakthivel Murugan, J.Johann Sylvester and T.S.Karthayani, A software toolkit for high resolution 3D Underwater Environment Reconstruction using Custom SLAM for High Density Data Collection, Ninth National Conference of Ocean Society of India - OSICON 2025, CSIR - National Institute of Oceanography, Goa February 5-7, 2025.
- S.Sakthivel Murugan, S.S.Indhra, J.Gowshika and K.Muthumeenakshi, Optimizing Underwater Point Cloud generation using SLAM Techniques for Ocean Floor Mapping, Ninth National Conference of Ocean Society of India - OSICON 2025, CSIR - National Institute of Oceanography, Goa February 5-7, 2025.
- S.Sakthivel Murugan, Divya Jha and Fadhi Syed Kader, Intelligent SLAM-based Autonomous Navigation System for ROVs in Confined Underwater Environments, Ninth National Conference of Ocean Society of India - OSICON 2025, CSIR - National Institute of Oceanography, Goa February 5-7, 2025.
- G.Sridhar, E.Balasubramanian and S.Somasundaram, Effect of printing parameters on evaluating mechanical characteristics of PLA and ABS specimen printed using FDM, International Conference on Innovative Materials and Payloads in Aerospace and Computational Technologies, Chennai, India, February 26-27, 2025.
- S.Sivanandam, S.Amirdha, S.Sharumathi, E.Balasubramanian and G.Sridhar, 3D printing of biopatch for diabetic foot ulcer using plant extracts, Third International Conference on Power Engineering and Intelligent Systems (PEIS2025), National Institute of Technology Uttarakhand, India, March 8-9, 2025.

3. International Visits by the Faculty Members

- Prof.Usha Natesan and Dr.G.Selvakumar had attended CPSC-CTEVT Collaborative Regional Program on "Industry-Institute Linkages in TVET" cum International Conference, January 15-19, 2025, Kathmandu, Nepal.



4. Achievements

- NITTTR Chennai has **revitalized the Journal of Technical and Vocational Education**, with academic activities commencing from 31.01.2025.
- NITTTR Chennai has been designated as a new **AICTE QIP** (Quality Improvement Programme) Centre in Engineering on 21.02.2025 (Intake 10 scholars under M.E./M.Tech and 10 scholars under Ph.D. Programme)
- Dr.V.Vandhana Devi, Professor, Department of Education received the **Research Excellence Award** from Tamil Nadu Engineering College Faculty Welfare Association on 01.03.2025.
- P.Mohanraj, M.E Infrastructure Engineering and Management (2nd year) **winner of the prestigious IIT Bombay Mapathon 2024** (Edition IV) for the topic "Connecting Tourism and Infrastructure for Balanced Growth in Tamil Nadu"
- G.Gunabalan M.E Infrastructure Engineering and Management (2nd year) **winner for the IITB Mapathon 2024** (Edition IV) for the topic "Urban Expansion in Tamil Nadu: A Temporal Analysis of Built-Up Area Density from 2019 to 2023"
- A new Three-Wheeler **E-Vehicle** has been purchased on 12.03.2025 for catering to the various Institute related mobility activities in an eco-friendly way as well as for conducting training Programme in Electric Vehicle.



5. Academic Activities

- AICTE has relaxed the **75 km distance restriction for working professionals** enrolling in postgraduate programmes offered by NITTTRs on 17.3.2025.
- THRIVE Workshop was held at IIT, Madras on 20 and 21.01.2025 which aimed at focussing on the establishment of **Research and Innovation Parks** in Institutes nominated by Ministry of Education with the collaboration of industry leading partners.
- **Degree Certificates** were awarded to the students (2022-24 Batch) who successfully completed their PG Degree on 14.02.2025.
- **Internship Policy** has been framed for the Institute on 29.01.2025 for the students seeking opportunities in industries.
- Around 100 students each day from RMK Engineering College, Kavaraipettai explored our **AR/VR Lab, Robotics Lab, and ETV Studio**, experiencing the latest tech innovations on 12-13.02.2025.

- 10 PG students from Meston College of Education, Chennai visited NITTTR Chennai as a part of an internship activity to **learn about the latest trends and practices in the fields of education and technology** on 05.02.2025 and 20.03.2025.
- **Internship on 3D Modeling** was done by students of Tamil Nadu Government M.G.R. Film and Television Institute from 14.02.2025 to 28.02.2025.
- A Committee has been constituted on 21.03.2025 to enhance the **visibility of the academic activities of the Institute** by ensuring wide publicity of the PG and training programmes by implementing latest strategies to attract a large no. of participants and foster stronger connections with industry professionals and organizations.



6. Memorandum of Understandings (MoU) Signed

- Mohan Babu University (MBU), Tirupati on 30.01.2025
- VVIT, Guntur on 03.02.2025
- Coimbatore Institute of Technology, Coimbatore on 11.02.2025
- Ubifly Technologies Pvt Ltd, Chennai on 17.03.2025
- Selvam College of Technology, Namakkal on 19.03.2025



7. ITEC Programmes Conducted

- **Empowering Women Entrepreneurs for Rural Development** from 22.01.2025 to 04.02.2025 for **28 participants** from Bhutan, Cote D'ivoire, Ethiopia, Fiji, Ghana, Guinea, Iraq, Laos, Madagascar, Malawi, Myanmar, Nigeria, Oman, Palestine, Rwanda, Sierra Leone, Sri Lanka, Tajikistan, Tanzania, Uzbekistan.
- **Strengthening Technical and Vocational Education and Training Systems to Meet the Sustainable Development Goals of the United Nations** from 22.01.2025 to 18.02.2025 for **30 participants** from Argentina, Chile, Ecuador, Eritrea, Ethiopia, Fiji, Ghana, Guyana, Kazakhstan, Kenya, Lebanon, Malawi, Mozambique, Namibia, Niger, Nigeria, Senegal, Sri Lanka, Tajikistan, Tanzania, Thailand, Turkmenistan, Uganda, Uzbekistan, Zimbabwe.
- **Accreditation for Enhancing Technical Education** from 12.02.2025 to 26.02.2025 for **17 participants** from Ecuador, Eritrea, Ethiopia, Fiji, Indonesia, Madagascar, Mauritius, Mozambique, Nigeria, Tajikistan, Tanzania, Uzbekistan, Zimbabwe.



- **Skill Development in Electronics for TVET Trainers and Planners** from 19.02.2025 to 04.03.2025 for **20 participants** from Ecuador, Eritrea, Ethiopia, Ghana, Kazakhstan, Kenya, Mauritius, Mangolia, Namibia, Tanzania, Thailand, Uzbekistan.



8. Specially Designed Contact Mode Programmes Conducted

- “Instructional Design and Delivery Systems” from 20.01.2025 to 24.01.2025 for faculty members of **PSR Engineering College, Sivakasi.**
- Induction Training Programme for the Young Faculty from 04.02.2025 to 08.02.2025 for faculty members of **ACS College of Engineering, Kambipura, Bangalore.**
- “Innovative Pedagogical Approaches for Outcome Based Education” from 24.02.2025 to 28.02.2025 for faculty members of **KLS Gogte Institute of Technology, Belagavi, Karnataka.**
- “Augmented Reality and Virtual Reality” from 24.02.2025 to 01.03.2025, for faculty members of **Madanapalle Institute of Technology and Science, Andhra Pradesh.**
- “Workshop for Technical Instructors” from 03.03.2025 to 07.03.2025 at **TETTRA School, Air Force Station, Bidar Karnataka.**
- “National Education Policy 2020 and Institutional Development” from 10.03.2025 to 14.03.2025, **Madanapalle Institute of Technology and Science, Andhra Pradesh.**
- “Writing Successful Research Proposals for Funding” on 27.03.2025 at **Coimbatore Institute of Technology, Coimbatore.**



9. Interaction with Industrial Experts

- Delegates from the **Radiant Institute of Technology, Hyderabad,** and experts from Germany visited on 07.03.2025 to explore the collaborative activities.



10. Conference/Seminar/Boot Camp Conducted

- International Seminar on **Sustainable Development Goals and Quality Education of TVET Systems in the Industry 5.0 Era** conducted in association with Hindustan Institute of Technology and Science, Chennai, on 7.02.2025, at HITS, Chennai.
- International Seminar on **Innovative strategies in TVET Systems for Sustainable Development Goals achievement in the Industry 5.0 era** conducted in association with Dhanalakshmi Srinivasan University, Tiruchirappalli, on 10.02.2025.



11. Webinars/ Lectures Conducted

- International webinar on “தாய்மொழி” to celebrate “**Matrihasha Diwas**” as part of International Mother Language Day with Prof. Dr. T. Vijayalakshmi, Visiting Professor of Tamil Studies at the University of Houston, USA, as the speaker on 21.02.2025.



12. Administrative Activities

- The Institute has streamlined the inventory accounting for **fixed assets** by creating/compiling Consolidated Fixed Asset Register on 02.01.2025.
- NITTTR Chennai celebrated the **76th Republic Day** on 26.01.2025 with immense enthusiasm, embodying the spirit of unity and progress. The theme for this year was “Swarnim Bharat: Virasat aur Vikas” wherein our rich heritage and vision for development was highlighted.
- Under **Mission Mode recruitment**, 3 Faculty members and 18 Non-Teaching Staffs have joined the institute.
- Based on the recommendations of the **Departmental Promotion Committee** meeting on 4.2.2025, two Supporting Staff were promoted to Technician.
- A meeting was convened with Central Vigilance Commission appointed **Independent External Monitor representatives**, Shri Vinayaka Rao Turaga Rao, IOFS (Retd.) and Shri Nand Kumar Mishra, IPS (Retd.) on 28.02.2025.



- **Visiting Medical Officer** joined on 20.03.2025.
- Arranged **in-house facilities** for ID card printing for all staff members, including pensioners.
- NITTTR Chennai celebrated **Pongal**, Tamil Nadu's traditional harvest festival, with boundless enthusiasm on 13.01.2025. The campus came alive with vibrant colors, festive energy and joyous laughter. Traditional games like Uriyadi, Lemon and Spoon, Musical Chair, Tug of War and more brought everyone together in the spirit of fun and camaraderie. Prof.Usha Natesan, Director, NITTTR Chennai, inaugurated the ceremonial preparation of Pongal in an earthen pot, a beautiful symbol of abundance and prosperity.
- Quiz Competition and **Bharatiya Bhasha Utsav** as part of NEP 2020 Activities was conducted on 27.02.2025.
- **International Women's Day** was celebrated on 08.03.2025. Prof.Usha Natesan, Director, NITTTR Chennai spoke on "Empowering Academic Leaders: Essential Skills to Lead and Inspire", advocating the need to step out of the comfort zone, seize growth opportunities and hone decision-making skills.



Dr.B.Thanuja, Faculty Entrepreneur, CEO and Founder of AGSAIMO and Associate Professor of Chemistry, Sri Sairam Engineering College, Chennai shared her incredible 'Waste to Wealth' journey wherein she transforms floral waste into incense cups, while empowering the women along the way. Dr.A.Hemamalini, Professor, SKY, Vision for Wisdom WCSC, Chennai Zone delivered an insightful lecture on "3H - Health, Heal, Harmony". She also led a yoga demonstration, promoting holistic well-being for the participants.