

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

Minutes of the 58th Meeting of the Board of Governors (through Hybrid mode)
held on 22.08.2024, Thursday at 11:30 a.m.
in the Board Room of NITTTR, Chennai

The following Members were present at the Meeting:

01	Shri Govind Jaiswal IAS, Joint Secretary (TEL), Ministry of Education, Department of Higher Education, New Delhi – 110 001	Chairman
02	Shri K.V Udaya Kiran, Under Secretary Integrated Finance Division, Ministry of Education, Department of Higher Education, New Delhi – 110 001	Representative of JSFA
03	Shri T. Abraham IAS, Commissioner of Technical Education, 53, Sardar Patel Road, Anna University, Guindy, Chennai-25	Member DTE, Tamil Nadu
04	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,A.P	Representative of DTE, Andhra Pradesh
05	Dr. S. Indulal, Dy Director, Directorate of Technical Education, Padmavilasom Street, Fort P.O, Thiruvananthapuram, Kerala India Pin : 695023.	Representative of DTE, Kerala
06	Mrs. Harshika Singh, IAS Commissioner of Technical Education Directorate of Skill Development Madhya Pradesh – 482008,	Member DTE, Madhya Pradesh
07	Dr. R. Santhakumar Professor & Head Department of Civil 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 & Dr. R. Santhakumar who have attended through contact mode.
The following member could not attend the meeting:

1. The Director of Technical Education,
3, Mahapalika Marg, Post Box No.1967,
Opp. Metro Cinema, Mumbai – 400 001

Since the tenure of the Chairman, BoG was vacant from 27.02.2024, the members of the Board had nominated Shri Govind Jaiswal IAS, Joint Secretary (TEL) to chair the 58th Board of Governors meeting.

At the outset, Dr. Usha Natesan, Member Secretary welcomed all the members to the 58th Meeting of the Board of Governors and briefed about the major activities / achievements of NITTTR Chennai during 1st June 2024 to 31st July 2024. The details are enclosed as Annexure1.

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

Item No. BoG.58.01.01	To consider and confirm the minutes of 57th Meeting of the BoG held on 20.06.2024
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Res. No. BoG.58.01.01/2024-25

The Board confirmed and approved the minutes of the 57th Meeting of the BoG held on 20.06.2024.

Item No.BoG.58.02.01	To report the action taken on the various resolutions passed at 57th Meeting of the BoG held on 20.06.2024
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Res. No. BoG.58.02.01/2024-25

The Board noted the action taken by the Institute on the various resolutions passed in the 57th Meeting of the BoG held on 20.06.2024 and approved the same except the following:

As a follow up action, NITTTR, Chennai had sent a letter to Ministry vide Ref: NITTTRC/Proj_StaffTenure/Approval/MOE/2024-25,dt.06.08.24 regarding the proposal of Temporary Staff deployed in Projects (Sponsored research and Industrial Consultancy Project) and the Ministry has advised in letter No.6-20/2024-TS.IV, dt. 22.08.2024 to place the said proposal in the BoG, Accordingly the same was placed and the Board suggested to hire the temporary posts through third party agency.

Item No.BoG.58.02.02

To report the activities of the Institute carried out from 01st June 2024 to 31st July 2024

Res. No. BoG.58.02.02/2024-25

The Board went through the activities of the Institute carried out during 1st June 2024 to 31st July 2024 and noted the same.

Item No.BoG.58.02.03

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

Res. No. BoG.58.02.03/2024-25

The Board noted the MoUs signed between NITTTR Chennai and various Institutions.

Item No.BoG.58.02.04

To report on the superannuation of Dr. R. Rajendran, Professor, Centre for Educational Management & Applied Science (CEMAS)

Res. No. BoG.58.02.04/2024-25

The Board noted the superannuation of Dr. R. Rajendran, Professor, Centre for Educational Management & Applied Science (CEMAS) and to advertise the vacant post arisen for the same following the reservation roster and common Recruitment Rule.

Item No.BoG.58.03.01

To consider and approve the targets achieved in MoU for the period from June 2024 to July 2024

Res. No. BoG.58.03.01/2024-25

The Board went through the targets achieved in MoU for the period from June 2024 to July 2024 and approved the same.

Item No.BoG.58.03.02

To consider and approve extension of CGHS facility for all serving and retired faculty and staff members of NITTTR, Chennai

Res. No. BoG.58.03.02/2024-25

The Board went through the proposal of extension of CGHS facility for all serving and retired faculty and staff members of NITTTR, Chennai and suggested to forward the same to the Ministry of Health and Family Welfare through Ministry of Education (MoE) and further instructed to forward the proposal to Department of Expenditure through MoE for approval.

Item No.BoG.58.03.03

To consider and approve incentives for Ph.D. as per AICTE norms admissible at the entry level of a recruit as an Assistant Professor possessing a Ph.D. and Teachers who complete their Ph.D degree while in service as Assistant Professor

Res. No. BoG.58.03.03/2024-25

The Board deferred this item as of now and instructed to wait for some time to take a decision.

Item No.BoG.58.03.04

To consider and approve the recommendations of the Selection Committees for the recruitment of various disciplines in Professor and Associate Professor in Mathematics

Res. No. BoG.58.03.04/2024-25

The Board went through the recommendations of the Selection Committees for the recruitment of various disciplines in Professor and Associate Professor in Mathematics and approved the same. The Board also approved to re-advertise the vacant posts arisen out of Professor and Associate Professor by following the reservation roster and common Recruitment rules.

Item No.BoG.58.03.05

To consider and approve the recruitment of two Group A posts Sr Technical Officer (Production Executive) and Technical Officer (Production Assistant) instead of conversion of Assistant Professor which has been already proposed

Res. No. BoG.58.03.05/2024-25

The Board went through the proposal and approved the recruitment of two Group A posts Sr. Technical Officer (Production Executive) and Technical Officer (Production Assistant) instead of conversion of Assistant Professor as already proposed. The Board suggested to send the proposal for abolition of the remaining 3 posts and creating 3 Assistant Professor posts to the Ministry of Education for approval.

Item No.BoG.58.04.01

To ratify the foreign visit of Dr. P. Malliga to present paper in 2024 ASEE Annual Conference & Exposition at Portland Oregon, USA, from June 23-26, 2024

Res. No. BoG.58.04.01/2024-25

The Board went through the foreign visit of Dr. P. Malliga to present paper in 2024 ASEE Annual Conference & Exposition at Portland Oregon, USA, from June 23-26, 2024 and ratified the same. However the Board suggested to send the proposal to the Ministry for approval at least two weeks before the start of the conference abroad.

Item No.BoG.58.04.02

To ratify the constitution of Selection Committee for various disciplines for the recruitment of Professor and Associate Professor

Res. No. BoG.58.04.02/2024-25

The Board went through the constitution of Selection Committee for various disciplines for the recruitment of Professor and Associate Professor and ratified the same.

Item No.BoG.58.05.01

To discuss the proposal on "Virtual Learning Environment for Polytechnic Skill Education" under SWAYAM Project

Res. No. BoG.58.05.01/2024-25

The item was taken up as per the Ministry's direction but could not be discussed due to time constraints of the Joint Secretary (TEL).

The meeting ended at 12.30 p.m. with vote of thanks to the Chair.

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CHAIRMAN (BoG)
[Nominated]


23/8/24
DIRECTOR / Member Secretary


23/8

**NATIONAL INSTITUTE OF
TECHNICAL TEACHERS TRAINING AND RESEARCH, CHENNAI**

Institute Activities from 1st June 2024 to 31st July 2024

Revenue generated (1st June 2024 to 31st July 2024): ₹94,44,755/-

Number of Participants Trained:

- **PDP Courses - 2090**
- **SWAYAM - 21674**
- **NITTT - 16058**

1. Proposal submitted /awarded for Sponsored Research Projects

- **Awarded Consultancy Project on Computing Volume of Earth – Poochi Athipedu under Tamil Nadu Urban Habitat Development ₹. 0.59 Lakhs**
- **DST Project proposal submitted on Evaluating and Enhancing Waste Management Policies under International Cooperation Division under India Sri Lanka Joint Call for Research Proposal for ₹. 62.02 Lakhs**
- **DST Project proposal submitted on Evaluating Multifaceted Impact of Vigyan Jyoti Programme in the Navodaya Schools of Kerala State under Wise-Kiran Division Vigyan Jyoti Program jointly with NIT Calicut for ₹. 25 Lakhs**
- **DST Project proposal submitted on Effectiveness of Immersive Virtual Reality-based Training for Assembly Workers for ₹. 44 Lakhs**
- **ICSSR Project Proposal on Towards inclusive growth: investigating transgender entrepreneurship in south Indian urban centers under Viksit Bharat – 2047 for ₹. 25 Lakhs**
- **ICSSR Project Proposal on Pedagogical innovation, curriculum redesign, and the integration of metacognitive strategies in higher education to achieve the goals of the National Education Policy (NEP) 2020 under Viksit Bharat – 2047 for ₹. 25 Lakhs**
- **Proposal submitted to BIS on Study on Physical and Uniformity test requirements of chemical admixtures used in making cement concrete for ₹. 7 Lakhs**
- **Proposal submitted to BIS on Comparative Study of the Construction Project Management Practices in leading Indian private/public sector organisations vis-à-vis published Indian Standards on Construction Project Management for ₹. 7**

Lakhs

- Submitted application for dual body status as assessing body and awarding body to **NCVET for creditization of skill courses.**
- **Internationalization**
 - Proposal submitted to MoE for **Setting up Research and Innovation Park in the Institution** seeking financial assistance from Japan International Cooperation Agency
 - Establishing Offshore Campus of NITTTR Chennai
 - Collaboration with Deakin University, Australia
- Project Proposal submitted to MoE on **Virtual Learning Environment for Polytechnic Skill Education under SWAYAM**
- Draft policy document submitted to Ministry in collaboration with BoAT (SR) Chennai on **integrating apprenticeships within regular technical degree and diploma programs** to enhance practical training in academic curricula and also creditizing the existing apprentice (NATS) scheme.
- Following **Five In-Country Program Proposals submitted to CPSC:**
 - Integrating Industrial Revolution 4.0 and 21st Century Skills in TVET (Contact Mode)
 - Training of Trainers on Technopreneurship for TVET (Contact Mode)
 - Greening TVET for Sustainable Development (Contact Mode)
 - 21st Century Competencies and Skills in 3D Printing and Digital Manufacturing (Contact Mode)
 - Training of Trainers on “Electronics System Using Virtual TVET” (Online mode)

2. Patents

Design patent filed by Dr. T. Subha, Associate Professor and Dr. Jakulin Divya Mary, Assistant Professor on **Fold and go baby car seat with IoT** (No.419412-001).

3. Publications

- Dr. Bogireddy Chandra, Dr. Vinod Kumar Adigopula and P. Venkateswarlu published a Book titled **Beyond Caves to Cosmos: Unraveling the evolution of mutual social life and human curiosity**, Pencil Publishing, 2024
- Anil Kumar M, Pareshkumar G. Moradeeya, Manikanda Bharath K, Jakulin Divya Mary P, and Giridharan K.S, published **Chapter 11: Pyrolytic Conversion of Heterogenic Natural Waste Biomass from Rural Communities with Concomitant**

Valorization in Book titled, Circular Bioeconomy Perspectives in Sustainable Bioenergy Production, Springer Nature Singapore Pte Ltd., 259-287, 2024, https://doi.org/10.1007/978-981-97-2523-6_11.

- Valliammai M, Mohanraj J, Balasubramanian Esakki, Lung Jieh Yang and Chua Chin Wang, **A High Sensitive Nanomaterial Coated Side Polished Fiber Sensor for Detection of Cardiac Troponin I Antibody** submitted to IEEE Transactions on Nano Bioscience, 2024.
- Jakulin Divya Mary P, **Exploring Leadership Archetypes in Indian Literature: Bridging The Gap With Modern Management Theories**, Indian Literature, ISSN: 0019-5804, No.341, Vol. LXVIII, 2024.
- Dr.Malliga P., presented the paper “**Comparative Analysis of Traditional Instruction and POGIL: A Student-Centered Learning Approach in Civil Engineering**” at the Future of Engineering Education 2024 ASEE Conference & Exposition held in Portland, Oregon, USA, during 22-26, June 2024.
- Dr.Vinod Kumar Adigopula, Abstract ID: AS25 - 106 **Laboratory Investigation of Composite Modification on Asphalt Binder with Rice Husk Ash and Low-Density Polyethylene** has been accepted for presentation at the AMMA SRI - 25 International Conference, scheduled to be held from 9 – 11 January 2025 in Amrita Vishwa Vidyapeetham, Coimbatore.
- Dilip Kumar P, Suresh ESM Dheepan KR, presented the paper **Estimation of Soil Shear Strength Parameters using Artificial Neural Networks** in the International Conference on Innovative Practices in Sustainable Engineering and Technology at Mar Baselios Institute of Technology and Science Kothamangalam Kerala.
- Ezhil Thalpathi RT, Suresh ESM, presented the paper **Analyzing Land Use and Land Cover Changes in the Coimbatore Region Using Sentinel Two Data** in the International Conference on Innovative Practices in Sustainable Engineering and Technology at Mar Baselios Institute of Technology and Science Kothamangalam Kerala.
- Ashwath Sivakumar, Suresh ESM, presented the paper **Bridging data visualization for urban stormwater management an integrated BIM GIS approach** in the International Conference on Innovative Practices in Sustainable Engineering and Technology at Mar Baselios Institute of Technology and Science Kothamangalam Kerala.

4. Academic Activities

- Received EoA 2024-25 from AICTE for our PG programmes

Programme	Approved Intake	
	Regular	Working Professionals
M.Tech. Infrastructure Engineering & Management	30	30
M.Tech. Artificial Intelligence & Machine Learning	30	30
M.Tech. VLSI Design and Embedded Systems	30	30
M.Tech. Power Electronics and Drives	30	30
M.Tech. Mechatronics	30	30
M.Tech. Augmented and Virtual Reality	30	30
M.Tech. Engineering Education	30	30
MBA (Business Analytics)	60	60
Online Courses		
PG Diploma Artificial Intelligence & Machine Learning	200	
PG Diploma Entrepreneurship Development	200	
PG Diploma Guidance and Counselling	200	
MBA (General Management)	2000	

- PG Admission - Admission Portal, Chairman, Faculty of Engineering & Technology, Education and Management, Dean, Associate Deans, Controller of Examinations

Programme	Appeared	Registered
M.Tech. Infrastructure Engineering & Management	36	41
M.Tech. Artificial Intelligence & Machine Learning	23	27
M.Tech. VLSI Design and Embedded Systems	30	56
M.Tech. Power Electronics and Drives	39	27
M.Tech. Mechatronics	63	74
Ph.D.	49	55
	240	280

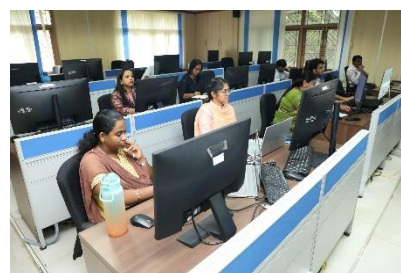


- Internship Training for 9 MBA students of MITS, AP on HRM T&D from 24.06.2024 to 13.07.2024
- Internship Training for 5 students of MITS, AP from 11.06.2024 to 20.07.2024 in Department of Mechanical Engineering
- **Ombudsman** for Students Grievance appointed, and **Student Grievance Redressal Committee** formulated.
- Successfully registered for the Academic Bank of Credits (ABC) under the NAD institutional registration.
- Nominated Nodal Officer for
 - NAD Digi locker and ABC Portal
 - NEP to UGC
 - National Insights Centre for education (NICE) under MoE
- Eduroam successfully connected. (Eduroam is an international Wi-Fi internet access roaming service for researchers, teachers, and students network access when visiting an international institution)
- As a part of NITTTR Chennai Faculty Publication Initiative, Publication guidelines released and circulated so that high-quality educational resources and scholarly works by our esteemed faculty members will be published as resource texts with ISBN contributing to the advancement of teacher education and curriculum development.



5. ITEC Programmes

- **Integrating Industry 4.0 Competency and Twenty First Century (21st) Skills in Educational Institutions** from 26.06.2024 to 23.07.2024. 30 participants from 15 countries participated.
- Proposal sent to MEA based on the request from our mission in Nigeria for conducting customized ITEC programme on **Rural Employment Generation through Enterprise promotion** for 30 participants.



6. Specially Designed Contact Mode Programmes Conducted

- **3-day Bootcamp on GenAI for Creators** from 25.07.2024 to 27.07.2024
- PDP on **Teaching, Learning, Assessment and Evaluation** from 22.07.2024 to 26.07.2024 for faculty members of **Geethanjali College of Engineering and Technology, Hyderabad**.
- PDP on **Emerging Technologies in IT Domain** from 11.07.2024 to 16.07.2024 at **RMK Engineering College, Chennai**.
- PDP on **CNC Programming** from 01.07.2024 to 06.07.2024 for Government Polytechnic faculty from Andhra Pradesh at **Vasireddy Venkatadri Institute of Technology, Guntur, Andhra Pradesh**.
- PDP on **Outcome Based Education and Implementation** from 18.06.2024 to 20.06.2024 for learners of **Muthoot Institute of Technology & Science, Kochi, Kerala**
- PDP on **Internet of Things (IoT)** from 18.06.2024, to 22.06.2024, at **Government Polytechnic College, Atmakur, SPSR Nellore District, Andhra Pradesh**.
- PDP on **Block Chain Technologies** from 03.06.2024 to 07.06.2024 at **Madanapalle Institute of Technology and Science, Andhra Pradesh**.
- **Online PDP Courses - 24 Nos. Contact Mode PDP Courses - 34 Nos.**



7. Participation of Faculty Members in National/ International Events

- Shri M.Ramesh, Sr. Administrative Officer/ CPIO attended the training program on **RTI for CPIO and Appellate Authorities** from 25.07.2024 to 27.07.2024 at Amritsar.
- Dr.ESM.Suresh, Professor and Dr.G.Janardhan, Professor attended **Regional Consultative Workshop for Higher Educational Institutions** conduct by NAAC at IISC Bangalore on 16.07.2024.
- Eleven Faculty Members attended online session on **Capacity Building for Promoting Positive Mental Health Resilience and Wellbeing in HEIs** conducted by Department of Higher Education, Ministry of Education, New Delhi, on 10.07.2024 and interaction with faculty members to implement NEP 2020.
- Shri Felix Arokia Raj, Assistant Professor attended online **Master class on Machine Learning for Non-Techies** from NPTEL+ on 21, 22 & 29.06.2024.
- Dr.Seshu Babu Pulagara, Assistant Professor attended training programme on **Cyber**

Security conducted by Karmayogi Bharat, DoPT from 13.05.2024 to 28.06.2024.

- Dr.P.Malliga, Professor attended Online Training Course on **Gamification and Game Design for Customers and Employee Engagement** from 18-21.06.2024.
- Dr.Seshu Babu Pulagara, Assistant Professor attended Industrial Training Programme on **Communication and Networking Technologies** conducted by Rajiv Gandhi Memorial Telecom Training Centre BSNL Chennai from 29.05.2024 to 18.06.2024.
- Dr.P.Sivasankar, Professor and Dr.R.Suja Mani Malar, Associate Professor attended training programme on **Practice on Universal Electronics Kit** at IIT Madras from 04.06.2024 to 07.06.2024.
- Dr.G.A.Rathy, Professor attended IIT Madras **Outreach programme on STEM** on 06.06.2024.

8. Conference/Seminar/Workshops Conducted

- International Seminar on **Integrating Industry 5.0 Skills & 21st Century Skills in Educational Institutions** organized by NITTTR Chennai in collaboration with Dhanalakshmi Srinivasan University, Tiruchirappalli on 15.07.2024 at Dhanalakshmi Srinivasan University, Tiruchirappalli.
- International Seminar on **Industry 4.0 and 21st Century Skills in Education** organized by NITTTR Chennai in collaboration with Sathyabama Institute of Science and Technology, Chennai on 11.07.2024.



9. Webinars Conducted

- **Solar Energy for Cleaner Environment** conducted on 05.06.2024 for World Environment Day.

10. Interaction with academic and industrial experts

- **Dr. Radhika Khanna, EMMRC, Head (i/c), Pondicherry University** visited our Institute on 26.07.2024 to explore potential joint training initiatives in new and growing areas, including Virtual Reality and Game Design and Development.
- **Dr. Nawal Kishore Arora, ISDS, Regional Director, RDSDE(WB), DGT, Ministry of Skill Development and Entrepreneurship, Kolkata, West Bengal** delivered

Valedictory address to the International participants of four weeks ITEC Program on "Integrating Industry 4.0 Competency and 21st Century Skills in Educational Institutions" on 23.07.2024.

- Representatives from **Wadhvani Foundation** visited **NITTTR Chennai** on 12.07.2024 and had insightful interaction with our faculty members.
- **Mr. Mohit Soni, Chief Executive Officer, Media and Entertainment Skills Council (MESC)** visited our Institute on 12.07.2024.
- **Mr. Ashish Kulkarni, Chairman of Animation, Visual Effects, Gaming and Comics - Extended Reality (AVGC-XR) Forum of FICCI** visited NITTTR Chennai on 11.07.2024.
- **Prof. Santanu Bhattacharya, Director, Indian Institute of Science, Education & Research (IISER), Tirupati** delivered Inaugural Address to the participants of 4 weeks ITEC Program on "Integrating Industry 4.0 competency and 21st century skills in Educational Institutions" on 26.06.2024
- **A team from Nicola Foundation, Chennai** at NITTTR Chennai on 13.06.2024. The discussions with Prof. Usha Natesan, Director, NITTTR Chennai and faculty members from various departments were highly promising and productive. We explored potential collaborations in skill development, training the trainer, industry-linked professional development programs, and facility utilization.
- **Shri Gaurav Birla from the Media & Entertainment Skills Council (MESC)** visited NITTTR Chennai on 06.06.2024. During his visit, he discussed the training of teachers and trainers in AR/VR/XR technology.



11. Administrative Activities

- Selection Committee Meeting conducted for the following Professor/ Associate Professor posts:
 - Professor of Curriculum Development, Planning and Coordination
 - Professor of Civil Engineering
 - Professor of Electronics & Communication Engineering

- Professor of Educational Media and Technology
 - Professor of Computer Science & Engineering
 - Professor of Mechanical Engineering
 - Professor of Education
 - Professor of Rural and Entrepreneurship Development
 - Associate Professor in Mathematics
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- **CCTVs** are installed within the campus.
 - **Stores & Purchase Manual** 2024 released.
 - Under **Hindi Teaching Scheme**, 37 of our faculty and staff members are attending classes two days (1 ½ hours per day) in a week for Prabodh.
 - As part of **10th International Yoga Day**, the faculty and staff of NITTTR Chennai participated in the Yoga Session on 21.06.2024 led by Shri Krishnamurti, a renowned yoga practitioner and yoga trainers.
 - An Awareness Program on **Basic Life Support Techniques** was conducted on 10.06.2024 to prevent sudden death due to cardiac arrest. Educators from Apollo Hospitals demonstrated the key steps in CPR.
 - **Awareness camp** conducted by SBI Bank Officials on Fixed Deposits and Other welfare Schemes to gain insights into various financial schemes.